



**Date: Jan 6, 2023**

Form Lighting and Controls, LLC  
2018 156th Ave NE Suite 100  
Bellevue WA 98007  
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Job Name  
**JG Murphy**  
FLC23-5248

Bid Date  
Jan 6, 2023

Submittal Date  
Jan 6, 2023



## LDS - LFC LED Wall Pack



Catalog Number:

Project:

Comments:

Prepared By:

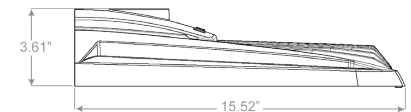
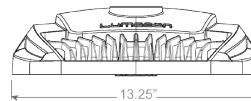
Date:

### Description

The sleek fixture design of the LDS-LFC is a blend of modern sophistication and unmatched energy efficiency. The LDS-LFC small area light includes the benefits of superior thermal efficiency, an industry-leading ten-year all-parts warranty, and custom optics ensuring best-in-class photometric results. Optimize photometric designs with greater pole spacing, uniformity, and lower energy usage. The LDS-LFC includes lumen packages up to 30,000 lumens allowing one-for-one replacements of existing HID fixtures up to 1000 Watt and is a perfect spec-grade solution for parking lots, pathways, tennis courts, and many other outdoor applications. Proudly Made in the USA.

### Dimensions & Weights

Model	Width	Length	Height	Weight
LDS-LFC	13.25"	15.52"	3.61"	13 lbs



### Technical Specifications

**Input Voltage:** 120-277V or 347-480V.

**Housing:** Die-cast aluminum housing with 60% gloss polyester powder coat finishes for maximum durability. The base aluminum material is prepared using an environmentally-friendly non-chrome 2-step surface cleaning and passivation process. The process results in a more durable conversion layer than traditional chromate conversion coatings and allows maximum adhesion of the powder coating to the aluminum substrate. Housing features an integrated heat sink and driver compartment built into the fixture design.

**Mounting:** Wall mount bracket standard.

**Split Circuit:** Optional

**Effective Projected Area (EPA):** 0.83 ft<sup>2</sup>

**Color Temperature:** 2200K, 2700K, 3000K, 4000K (standard), 5000K.

**LED Lifetime:** All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

**Color Rendering Index (CRI):** Minimum of 80 or higher. CRI 90+ available upon request. CRI 90+ not available in 2200K.

**Dimming:** 0-10V standard dimming capability.

**Custom Optics:** Lumecon meticulously engineered premium acrylic optical lenses to maximize the distribution and uniformity of light while minimizing cost. Our arrays distribute light at least 21% further and with 29% more uniformity than leading competitors. Lumecon custom lenses create a uniform, well-lit environment that mitigates illuminance "hot spots" and use less wattage than typical LED area lights.

**Vandal Resistant:** Our lens is also resistant to vandalism with a low compact design making the lens material dense and impact resistant. We build to withstand high abuse lighting environments.

**Surge Protection:** Thermally protected 40kV varistor type surge suppressor is included and meets ANSI C136.2-2015: Extreme Level. Also meets IEC61643-11 Class II / EN61643-11 Type 2, and US Dept of Energy MSSLC Model Spec for surge protection. The device is wired in series with the luminaire input power in order to interrupt power to the luminaire when consumed, protecting the LED power supply and circuit boards from additional electrical surges.

**Lumecon ETD™ System:** The enhanced thermal dissipation system engines are thermally bonded to provide maximum thermal dissipation to the exterior of the fixture to ensure long life. To protect the light engine panel from moisture and corrosion, the LED light engine panel is uniformly coated with a UV stabilized acrylic polymer resin that meets MIL and ASTM dielectric standards, UL, and IPC standards for flammability, moisture resistance and thermal shock.

**Battery Back-Up and Battery Back-Up Cold Rated (Optional):** The BBU operates the LEDs for a code-compliant 90 minutes when triggered into emergency mode. When AC power is restored, the driver automatically returns to charging mode. The BB and BBCR are UL-recognized component and meets all applicable safety standards. BCCR is cold rated to -20°C.

**Certification Data:** ETL Listed to UL 1598, UL 8750 for Wet Locations. \*Full compliance and test documentation is available for TM-21, LM-79, LM-80, ETL Listing to UL1598 and UL 8750. Salt Fog tested for 3,000 hours per ASTM B117-16 / ASTM D610-08. Ingress Protection: IP66 per ANSI/IEC 60529-2004. Passed 3G vibration @ 100K cycles, per ANSI C136.31-2018.

**DesignLights Consortium® (DLC) Qualified Product:** Unless noted, not all versions of this product may be DLC® qualified. For a complete list of Lumecon DLC® Qualified Products visit: [www.designlights.org](http://www.designlights.org).

**Dimulator Photo-Control:** Maximize the cost-saving benefits of your outdoor LED light fixtures with the stand-alone Dimming solution. All Dimulators (except for CD and DIM 3 versions) have three selectable dimming levels (30%, 50%, 70%) with three different start times (10:00 pm, Midnight, or 2:00 am), which are selectable through the ten position selector switch located on the bottom of the base. All dimming schedules will return to full brightness at 5:00 am. The stand-alone unit is made to work with the ANSI C136.41 receptacle and will provide dimming of LED fixtures.

**Limelight Wireless Controls:** by Lutron is a wireless lighting control solution for outdoor and industrial facilities that provides remote control and management, saves energy, and enhances facility safety. This option includes a factory-installed wireless control module and sensors that seamlessly integrate data into Lutron's existing data and management platform, Enterprise Vue.

**Manufacturing Origin:** US Manufactured and Assembled.

**Buy American:** Meets Buy American requirements within the ARRA.

**Warranty:** 10 Year L70 performance based warranty. For full warranty terms, please visit our website: [www.lumecon.com](http://www.lumecon.com)


**Job Name:**  
JG Murphy
**Catalog Number:**

LDS-LFC-160-BK-T4-1-30-WM

**Type:****W1**

Notes:

FLC23-5248


**LDS - LFC**  
LED Wall Pack

**Ordering Information**

LDS-LFC – Options / Ordering Example: LDS-LFC-110-DB-T5-1-50-WM

Wattage	Color	Distribution	Voltage	Color Temperature	Mounting Methods
30 - 30 Watts	DB - Dark Bronze	T2 - Type II	1 - 120v-277v	22 - 2200K <sup>8</sup>	WM - Wall Mount Bracket
45 - 45 Watts	WH - White	T3 - Type III	2 - 347v-480v	27 - 2700K <sup>8</sup>	
60 - 60 Watts	BK - Black	T4 - Type IV		30 - 3000K <sup>8</sup>	
75 - 75 Watts	GR - Gray	T5 - Type V		40 - 4000K	
80 - 80 Watts	CC - Custom	NR - Narrow		50 - 5000K	
85 - 85 Watts	AF - Automotive Finish				
95 - 95 Watts					
110 - 110 Watts					
125 - 125 Watts					
160 - 160 Watts					
200 - 200 Watts					
220 - 220 Watts					

**Options & Accessories**

R - Receptacle Only

RS - Receptacle Only with Shorting Cap

7P - Seven-pin Twist Lock Photocell Receptacle Only <sup>1</sup>PC1 - 120v-277v Button Eye Photocell <sup>2</sup>PC2 - 347v 480v Button Eye Photocell <sup>2</sup>

PC3 - 120v-277v Twist Lock Photocell (10 year warranty)

PC4 - 347v-480v Twist Lock Photocell (10 year warranty)

OC1 - On/Off <sup>3</sup>OC2 - Dim/High <sup>3,4</sup>OC3 - On/Off w/Photocell <sup>3,4</sup>OC4 - Dim/High w/Photocell <sup>3,4</sup>

BB - Battery Back-Up (only available on the 30W - 80W models and on 120/277v models)

BBCR - Battery Back-Up Cold Rated (only available on the 30W - 80W models and on 120/277v models)

SC - Split Circuit <sup>5,6,7</sup>

CWMB - Cosmetic Wall Mount Bracket

DIM4 - 105-305 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-HV - High Voltage 312-530 VAC, 50/60 Hz with 10 position field adjustable selector switch

DIM4-CD - Constant all-night Dimming

DIM4-CD-HV - Constant all-night Dimming, 315-530 VAC 50/60Hz

DIM4-CUL - 120 VAC. 50/60 Hz, cUL certified version with gray cover

DIM4-ALC - Adaptive Lighting Control with 2% per year incremental increase to compensate for aging fixture

DIM3-XX - Factory set dimming schedule (10 position selector switch not available)

BS5 - Bird Spikes (Field Installed)

BL - Backlight Louver(s) snap over LED Array(s) for Backlight Control at the source. <sup>6</sup>

LLC- Limerlight by Lutron Radio Module

*Not available with 2- 347-480v or PC1, PC2, OC1, OC2, OC3, OC4, UBI, DIM4, DIM4-HV, DIM4-CD, DIM4-CD-HV, DIM4-CUL, DIM4-ALC, DIM3-XX options. Requires the 7P option to be selected.*

LLCM- Limerlight by Lutron Radio Module and PIR Sensor Assembly - Medium Mounting Height (&gt;15 to 30' mounting height)

*Not available with 2- 347-480v or PC1, PC2, OC1, OC2, OC3, OC4, UBI, DIM4, DIM4-HV, DIM4-CD, DIM4-CD-HV, DIM4-CUL, DIM4-ALC, DIM3-XX options. Requires the 7P option to be selected.*

LLCL- Limerlight by Lutron Radio Module and PIR Sensor Assembly - Low Mounting Height (8-15' mounting height)

*Not available with 2- 347-480v or PC1, PC2, OC1, OC2, OC3, OC4, UBI, DIM4, DIM4-HV, DIM4-CD, DIM4-CD-HV, DIM4-CUL, DIM4-ALC, DIM3-XX options. Requires the 7P option to be selected.*

## Notes:

- For units with 7P the mounting must be restricted to +/-45° from horizontal aim per ANSI C1136.10-2010. If more than a 45° Tilt, use PC1 or PC2
- Cannot be combined with Occupancy Sensor. Use OC3 or OC4 when Occupancy Sensor and Photocell are needed and aiming greater than 45° from horizontal.
- Must note on PO Mounting Height for proper lens application
- See Occupancy Sensor Default Settings Table
- Split circuit is only available for 30W, 45W, 60W, and 80W models.
- Split circuit is not compatible with Occupancy sensing our photo-eye control.
- Split Circuit and Battery Back-up cannot both fit in the same housing. Battery Back-Up will require external. Battery Backup will only control one of the circuits.
- 3000K or warmer, and fixed mounts must be ordered for IDA certification compliance.
- Works with Type 2, Type 3 and Type 4 arrays.

**Accessories ordered as a separate line item:**

33-00112 - External Glare Shield

33-00120 - Full Glare Snoot



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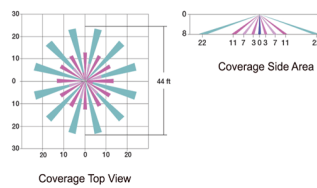


**LDS - LFC**  
LED Wall Pack

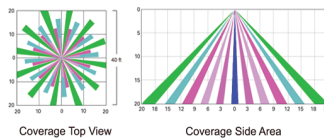
If OCC Sensor Option is selected, mounting height specifications need to be clarified:  Mounting height between 0' - 10'  
 If Mounting height and parameter settings not specified when ordered. Default mounting height is 10-40' lens and preset factory settings.  Mounting height between 10' - 20'  
 Mounting height over 20'+

**OCC Sensor Patterns**

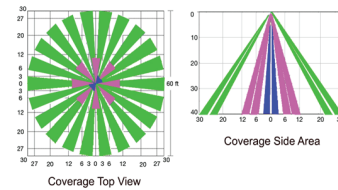
**0' - 10' Mounting Height**



**10' - 40' Mounting Height**



**40' + Mounting Height**

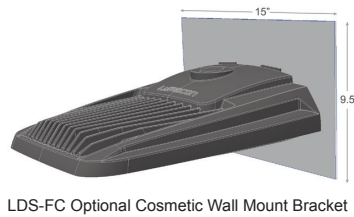
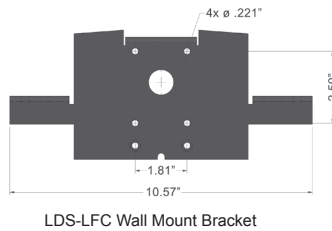


**Occupancy Sensor Default Settings - Option OC2**

Option	Dimmed State (Unoccupied)	High Level (When occupied)	Photocell Operation (OC4 Option Only*)	Dwell Time (Occupancy time delay)	Ramp-up Time (From unoccupied to occupied)	Ramp-up Time (From occupied to unoccupied)
OC2 and OC4	Approx. 20% Output	100% Output	Enabled @ 1.5 FC*	5 Minutes	Disabled	Disabled

\*Note: OC2 and OC4 settings including photocell set point, high/low dim rates, and occupancy sensor time delay are all configurable by using the Wattstopper® App. If any other settings are desired to be set at the factory, please note these changes on Purchase Order.

**Mounting Method Dimensions**

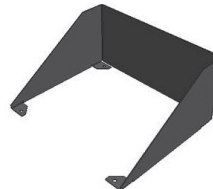
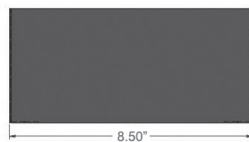
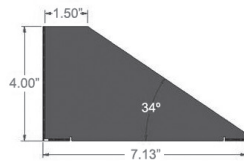


**Backlight Louver(s)**

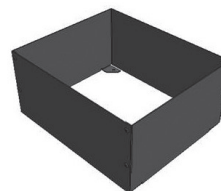


BL - Backlight Louver(s) snap over LED Array(s) for Backlight Control at the source. Works with Type 2, Type 3 and Type 4 arrays.

**External Glare Shield and Full Glare Snoot Dimensions**



33-00112 - External Glare Shield



33-00120 - Full Glare Snoot







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LDS-LFC-160-BK-T4-1-30-WM

Notes:

**Type:**  
**W1**

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**LDS - LFC**  
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**Performance Data**

Model	Distribution Type	2200K			2700K			3000K			4000K			5000K		
		Watts	Lumens	B U G	Lumens	B U G	Lumens	B U G	Lumens	B U G	Lumens	B U G	Lumens	B U G	Lumens	B U G
LDS-SAL/LFC-30	Type 2	30	2,904	1 0 1	98	1 0 1	131	3791	1 0 1	132	4378	1 0 1	147	4393	1 0 1	148
	Type 3	30	2,927	1 0 1	99	1 0 1	132	3821	1 0 1	133	4412	1 0 1	149	4428	1 0 1	149
	Type 4	30	2,878	1 0 1	97	1 0 1	129	3706	1 0 1	131	4357	1 0 1	146	4352	1 0 1	147
	Type 5	30	2,975	2 0 2	100	2 0 2	131	3801	2 0 2	133	4474	2 0 2	151	4491	2 0 2	151
	Type 2	45	4899	1 0 1	103	1 0 1	147	6683	1 0 1	149	6950	1 0 1	154	6975	1 0 1	155
LDS-SAL/LFC-45	Type 3	45	4635	1 0 1	97	1 0 1	141	6445	1 0 1	143	6570	1 0 1	146	6570	1 0 1	146
	Type 4	45	4591	1 0 1	96	1 0 1	137	6259	1 0 1	139	6525	1 0 1	145	6525	1 0 1	145
	Type 5	45	4738	3 0 2	99	3 0 2	142	6459	3 0 2	144	6705	3 0 2	149	6750	3 0 2	150
	Type 2	60	5400	1 0 2	90	1 0 2	127	7800	1 0 2	130	8100	1 0 2	135	8100	1 0 2	135
	Type 3	60	5400	2 0 2	90	2 0 2	126	7680	2 0 2	128	8160	2 0 2	136	8220	2 0 2	137
LDS-SAL/LFC-60	Type 4	60	5340	2 0 2	89	2 0 2	124	7560	2 0 2	126	8040	2 0 2	134	8040	2 0 2	134
	Type 5	60	5520	3 0 3	92	3 0 3	128	7800	3 0 3	130	8280	3 0 3	138	8340	3 0 3	139
	Type 2	75	5700	2 0 2	76	2 0 2	112	8550	2 0 2	114	8550	2 0 2	114	8775	2 0 2	117
	Type 3	75	5625	2 0 2	75	2 0 2	111	8475	2 0 2	113	8475	2 0 2	113	8850	2 0 2	118
	Type 4	75	5925	2 0 2	79	2 0 2	109	8325	2 0 2	111	8325	2 0 2	111	8700	2 0 2	116
LDS-SAL/LFC-75	Type 5	75	6450	3 0 3	86	3 0 3	112	8550	3 0 3	114	8925	3 0 3	119	8775	3 0 3	117
	Type 2	80	7669	2 0 2	90	2 0 2	111	9256	2 0 2	113	9293	2 0 2	114	9559	2 0 2	116
	Type 3	80	7575	3 0 3	89	3 0 3	110	9146	3 0 3	112	9182	3 0 3	112	9630	3 0 3	117
	Type 4	80	7446	3 0 3	87	3 0 3	108	8989	3 0 3	110	9024	3 0 3	111	9465	3 0 3	115
	Type 5	80	7685	4 0 2	90	4 0 2	112	9277	4 0 2	114	10557	4 0 2	129	9550	4 0 2	116
LDS-SAL/LFC-85	Type 2	85	8949	2 0 2	105	2 0 2	128	10796	2 0 2	129	11257	2 0 2	135	11719	2 0 2	141
	Type 3	85	9019	3 0 3	106	3 0 3	129	10878	3 0 3	130	11344	3 0 3	136	11810	3 0 3	142
	Type 4	85	8696	3 0 3	102	3 0 3	124	10495	3 0 3	126	10968	3 0 3	131	11440	3 0 3	138
	Type 5	85	9175	4 0 2	107	4 0 2	131	11065	4 0 2	133	11540	4 0 2	138	12015	4 0 2	145
	Type 2	95	10644	2 0 2	125	2 0 2	135	12813	2 0 2	137	13275	2 0 2	142	13737	2 0 2	147
LDS-SAL/LFC-95	Type 3	95	10713	3 0 3	126	3 0 3	136	12896	3 0 3	138	13362	3 0 3	142	13828	3 0 3	148
	Type 4	95	10391	3 0 3	122	3 0 3	132	12513	3 0 3	133	12986	3 0 3	138	13458	3 0 3	144
	Type 5	95	10870	4 0 2	127	4 0 2	138	13083	4 0 2	140	13558	4 0 2	145	14033	4 0 2	150
	Type 2	110	12502	2 0 2	114	2 0 2	135	14487	2 0 2	131	14520	2 0 2	132	14520	2 0 2	132
	Type 3	110	12599	3 0 3	115	3 0 3	137	14599	3 0 3	132	14637	3 0 3	133	14637	3 0 3	133
LDS-SAL/LFC-110	Type 4	110	12146	3 0 3	111	3 0 3	132	14350	3 0 3	130	14382	3 0 3	130	14382	3 0 3	130
	Type 5	110	12819	4 0 2	117	4 0 2	133	14517	4 0 2	131	14549	4 0 2	132	14549	4 0 2	132
	Type 2	125	13970	2 0 2	111	2 0 2	133	16463	2 0 2	131	16225	2 0 2	129	16225	2 0 2	129
	Type 3	125	14079	3 0 3	112	3 0 3	134	16590	3 0 3	132	16553	3 0 3	130	16553	3 0 3	130
	Type 4	125	13572	3 0 3	108	3 0 3	129	16307	3 0 3	130	16072	3 0 3	128	16072	3 0 3	128
LDS-SAL/LFC-125	Type 5	125	14000	4 0 2	112	4 0 2	131	16258	4 0 2	131	16258	4 0 2	130	16258	4 0 2	130
	Type 2	160	16962	2 0 2	108	2 0 2	129	20575	2 0 2	129	21395	2 0 2	137	21395	2 0 2	137
	Type 3	160	17095	3 0 3	109	3 0 3	130	20735	3 0 3	132	21554	3 0 3	138	21554	3 0 3	138
	Type 4	160	16802	3 0 3	107	3 0 3	128	20381	3 0 3	129	21183	3 0 3	136	21183	3 0 3	136
	Type 5	160	17136	5 0 3	109	5 0 3	131	20659	5 0 3	131	21429	5 0 3	137	21429	5 0 3	137
LDS-SAL/LFC-200	Type 2	200	19200	2 0 2	96	2 0 2	123	24800	2 0 2	124	24400	2 0 2	122	25000	2 0 2	125
	Type 3	200	19400	3 0 3	97	3 0 3	124	25000	3 0 3	125	24600	3 0 3	123	25600	3 0 3	128
	Type 4	200	19000	3 0 3	95	3 0 3	123	24200	3 0 3	123	24200	3 0 3	121	24800	3 0 3	124
	Type 5	200	19200	4 0 2	96	4 0 2	121	25000	4 0 2	125	24600	4 0 2	123	25000	4 0 2	124
	Type 2	220	21120	2 0 2	96	2 0 2	123	27280	2 0 2	124	27280	2 0 2	124	27280	2 0 2	125
LDS-SAL/LFC-220	Type 3	220	21340	3 0 3	97	3 0 3	124	27500	3 0 3	125	27500	3 0 3	125	27500	3 0 3	125
	Type 4	220	20900	3 0 3	95	3 0 3	117	27060	3 0 3	123	27060	3 0 3	123	27060	3 0 3	123
	Type 5	220	21120	4 0 2	96	4 0 2	121	27500	4 0 2	125	27060	4 0 2	125	27500	4 0 2	125

Email: [sales@lumecon.com](mailto:sales@lumecon.com) Website: [www.lumecon.com](http://www.lumecon.com) Phone: 248-477-5009  
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 Note: Specifications and photometric data are subject to change at any time without notice.  
 Please see [www.lumecon.com](http://www.lumecon.com) for current specifications and documentation. Sheet / LDS-LFC\_10042022


**Job Name:**  
JG Murphy

**Catalog Number:**  
LDS-LFC-160-BK-T4-1-30-WM

Notes:

**Type:****W1**

FLC23-5248


**LDS - LFC**  
LED Wall Pack

**Performance Data**
**Electrical Load Data**

Fixture Model	Drive Current (mA)	System Watts (W)	AC Current Load (A)				
			120V	208V	240V	277V	480V
LDS-LFC-30	550	30	0.28	0.16	0.14	0.12	0.07
LDS-LFC-45	875	45	0.42	0.24	0.21	0.18	0.10
LDS-LFC-60	1100	60	0.56	0.32	0.28	0.24	0.14
LDS-LFC-75	1475	75	0.70	0.40	0.36	0.31	0.18
LDS-LFC-80	1480	80	0.74	0.43	0.37	0.32	0.19
LDS-LFC-85	695	85	0.79	0.45	0.40	0.35	0.20
LDS-LFC-95	840	95	0.89	0.51	0.44	0.39	0.23
LDS-LFC-110	975	110	1.02	0.59	0.51	0.44	0.25
LDS-LFC-125	1150	125	1.16	0.67	0.58	0.50	0.29
LDS-LFC-160	1450	160	1.48	0.85	0.74	0.64	0.37
LDS-LFC-200	1642	200	1.86	1.06	0.92	0.82	0.48
LDS-LFC-220	1925	220	2.05	1.17	1.00	0.90	0.53

**Lumen Maintenance**

Data in the table below references projected performance in a 25°C ambient and is based on 10,000 hours of LED testing. Performance data has been tested per IESNA LM-80-08 and projected per IESNA TM-21-11.

Use the lumen maintenance factor that corresponds to the desired number of operating hours below to calculate LLF.

Fixture Model	Lumen Maintenance Factors @ 25°C, by hours:				
	0	25,000	50,000	70,000	100,000
LDS-LFC-30	1.0	0.99	0.96	0.92	0.85
LDS-LFC-45	1.0	0.99	0.96	0.92	0.85
LDS-LFC-60	1.0	0.99	0.96	0.92	0.85
LDS-LFC-75	1.0	0.99	0.96	0.92	0.85
LDS-LFC-80	1.0	0.99	0.96	0.92	0.85
LDS-LFC-85	1.0	0.99	0.96	0.92	0.85
LDS-LFC-95	1.0	0.99	0.96	0.92	0.85
LDS-LFC-110	1.0	0.99	0.96	0.92	0.85
LDS-LFC-125	1.0	0.99	0.96	0.92	0.85
LDS-LFC-160	1.0	0.99	0.96	0.92	0.85
LDS-LFC-200	1.0	0.99	0.96	0.92	0.85
LDS-LFC-220	1.0	0.99	0.96	0.92	0.85



**Job Name:**  
JG Murphy

**Catalog Number:**

PWY-EDG-5M-P4-02-E-UL-BK-525-30K

Notes:

**Type:**

**B1**

FLC23-5248

# THE EDGE® Series

LED Pathway Luminaire

Rev. Date: V10 12/10/2021

## Product Description

Durable die-cast aluminum luminaire housing mounts directly to 4" (102mm) diameter pole (included) without visible mounting hardware for clean appearance. Pole mounts to rugged die cast aluminum internal flange secured by three 3/8" - 16x6" anchor bolts with 1-1/4" hook (provided). **Note:** T45 Torx 3/8" socket required for head installation. Top mounted LEDs for superior optical performance and light control.

**Applications:** Landscape, walk-ways and general site lighting

## Performance Summary

Patented NanoOptic® Product Technology

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

**Initial Delivered Lumens:** Up to 3,320

**CRI:** Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K); 90 CRI (5000K)

**CCT:** Turtle Friendly Amber, 3000K (+/- 300K), 4000K (+/- 300K), 5000K (+/- 500K), 5700K (+/- 500K) standard

**Limited Warranty\*:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish/1 year on accessories

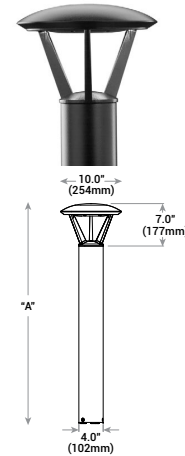
\* See <http://creelighting.com/warranty> for warranty terms

## Accessories

### Field-Installed

#### Upgrade Kit

- Used for replacement of existing bollards with a bolt hole circle of 5.75" (146mm)  
 XA-XBP8RSV XA-XBP8RWH  
 XA-XBP8RBK XA-XBP8RBZ



Model	Dim. "A"	Weight*
Landscape (P0)	13" (330mm)	12.7 lbs. (5.8kg)
Landscape (P1)	18" (457mm)	13.3 lbs. (6.0kg)
Pathway (P3)	36" (914mm)	17.9 lbs. (8.1kg)
Pathway (P4)	42" (1068mm)	18.6 lbs. (8.4kg)
Pedestrian (P8)	96" (2438mm)	28.4 lbs (12.9kg)

\* Add 4.5 lbs. (2.0kg) for 347-480V

## Ordering Information

Example: PWY-EDG-2M-P0-02-E-UL-SV-350

Product	Optic	Mounting	LED Count (x9)	Series	Voltage	Color Options	Drive Current	Options
<b>PWY-EDG</b>	<b>2M</b> Type II Medium <b>3M</b> Type III Medium <b>5M</b> Type V Medium <b>5S</b> Type V Short	<b>P0</b> 13" (330mm) landscape - Not available with TRL <b>P1</b> 18" (457mm) landscape - Not available with TRL <b>P3</b> 36" (914mm) pathway <b>P4</b> 42" (1067mm) pathway <b>P8</b> 96" (2438mm) pedestrian	<b>02</b>	<b>E</b>	<b>UL</b> Universal 120-277V <b>UH*</b> Universal 347-480V - Available with P3, P4, and P8 mounts only - Not available with TRL <b>12</b> 120V - Available only with TL options <b>27</b> 277V - Available only with TL options	<b>BK</b> Black <b>BZ</b> Bronze <b>SV</b> Silver <b>WH</b> White	<b>350</b> 350mA - Not available with TRL <b>525</b> 525mA - Available with P1, P3, P4, and P8 mounts only	<b>F Fuse</b> - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - When code dictates fusing, use time delay fuse - Not available with TRL <b>HL Hi/Low (Dual Circuit Input)</b> - Available with UL voltage and 525mA driver current only - Must specify 525mA drive current - Refer to <a href="#">HL spec sheet</a> for details - Sensor not included - Not available with TRL <b>TL Two-Level (175/525 w/integrated sensor control)</b> - Available with 12 or 27 voltages only - Must specify 525mA drive current - Refer to <a href="#">TL spec sheet</a> for details - Not available with TRL <b>TL2 Two-Level (10/350 w/integrated sensor control)</b> - Available with 12 or 27 voltages only - Must specify 350mA drive current - Refer to <a href="#">TL spec sheet</a> for details - Not available with TRL <b>TL3 Two-Level (10/525 w/integrated sensor control)</b> - Available with 12 or 27 voltages only - Must specify 525mA drive current - Refer to <a href="#">TL spec sheet</a> for details <b>WB Welded Base Plate</b> - Standard on P8 mount option, available with P3 and P4 mount - Includes welded base cover <b>30K 3000K Color Temperature</b> - Minimum 80 CRI - Color temperature per luminaire <b>40K 4000K Color Temperature</b> - Minimum 70 CRI - Color temperature per luminaire <b>50K 5000K Color Temperature</b> - Minimum 90 CRI - Color temperature per luminaire <b>TRL Amber Turtle Friendly LEDs</b> - Available only with P3, P4 and P8 mounts, 120-277 Volt, 525mA drive current, and TL3 or WB options - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance

\* 347-480V utilizes magnetic step-down transformer. For input power for 347-480V, refer to the Electrical Data table



US: [creelighting.com](http://creelighting.com) (800) 236-6800  
 Canada: [creelighting-canada.com](http://creelighting-canada.com) (800) 473-1234





**Job Name:**  
JG Murphy

**Catalog Number:**

PWY-EDG-5M-P4-02-E-UL-BK-525-30K

Notes:

**Type:**

**B1**

FLC23-5248

## THE EDGE® LED Pathway Luminaire

### Product Specifications

#### CONSTRUCTION & MATERIALS

- Durable die-cast aluminum luminaire housing mounts directly to 4" (102mm) diameter pole (included) without visible mounting hardware for clean appearance
- Pole mounts to rugged die cast aluminum internal flange secured by three 3/8" -16x6" anchor bolts with 1-1/4" hook (provided).  
**Note:** T45 Torx 3/8" socket required for head installation
- Top mounted LEDs for superior optical performance and light control
- Open design, passive thermal management for superior lumen maintenance
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available
- Weight:** See Dimension and Weight Chart on pages 1 and 5

#### ELECTRICAL SYSTEM

- Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- Power Factor:** > 0.9 at full load at 120V
- Total Harmonic Distortion:** < 20% at full load at 120V
- Integral 10kV/5kA surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current

#### REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Meets IP66 requirements per IEC 60598-1 when ordered without TL options
- ANSI C136.2 10kV/5kA surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- CA RESIDENTS WARNING:** Cancer and Reproductive Harm - [www.p65warnings.ca.gov](http://www.p65warnings.ca.gov)

#### Electrical Data\*

LED Count (x9)	CCT	System Watts 120-277V	System Watts 347-480V	Total Current (A)					
				120V	208V	240V	277V	347V	480V
350mA									
02	30K/40K/50K/57K	22	28	0.18	0.12	0.10	0.10	0.12	0.09
	TRL	N/A							
525mA									
02	30K/40K/50K/57K	34	40	0.29	0.19	0.17	0.15	0.13	0.12
	TRL	26	N/A	0.24	0.14	0.12	0.10	N/A	N/A

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

#### THE EDGE® Series Ambient Adjusted Lumen Maintenance<sup>1</sup>

Ambient	CCT	Initial LMF	25K hr Reported <sup>2</sup> LMF	50K hr Reported <sup>2</sup> LMF	75K hr Reported <sup>2</sup> /Estimated <sup>3</sup> LMF	100K hr Estimated <sup>3</sup> LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03 <sup>2</sup>	1.03
	TRL	1.06	1.06	1.06	1.06 <sup>3</sup>	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.02 <sup>2</sup>	1.02
	TRL	1.04	1.04	1.04	1.04 <sup>3</sup>	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.01 <sup>2</sup>	1.01
	TRL	1.03	1.03	1.03	1.03 <sup>3</sup>	1.03
20°C (68°F)	30K/40K/50K/57K	1.01	0.99	0.99	0.99 <sup>2</sup>	0.99
	TRL	1.01	1.01	1.01	1.01 <sup>3</sup>	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.98 <sup>2</sup>	0.98
	TRL	1.00	1.00	1.00	1.00 <sup>3</sup>	1.00

<sup>1</sup> 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.

<sup>2</sup> 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.

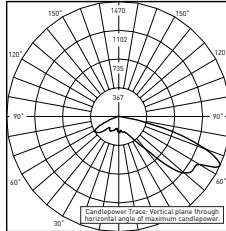
<sup>3</sup> Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

THE EDGE® LED Pathway Luminaire

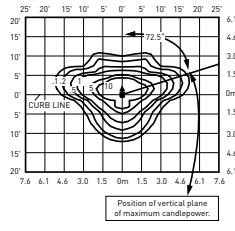
**Photometry**

All outdoor luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/bollards-and-pathway/cree-edge-pathway>

**2M**



RESTL Test Report #: PL12838-002B  
PWY-EDG-2M-\*\*-02-E-UL-350-40K  
Initial Delivered Lumens: 1,814

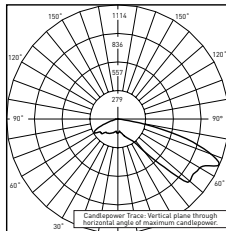


PWY-EDG-2M-\*\*-02-E-UL-350-40K  
Mounting Height: 3' [0.9m] A.F.G.  
Initial Delivered Lumens: 1,902  
Initial FC at grade

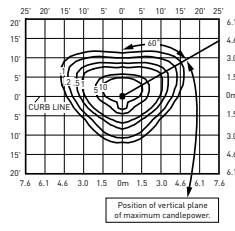
Type II Medium Distribution										
LED Count (x9)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,613	B1 U0 G1	1,902	B1 U0 G1	1,481	B1 U0 G1	1,986	B1 U0 G1	N/A	
525mA										
02	2,259	B1 U0 G1	2,663	B1 U0 G1	2,074	B1 U0 G1	2,782	B1 U0 G1	923	B0 U0 G0

\* 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>

**3M**



RESTL Test Report #: PL12838-001B  
PWY-EDG-3M-\*\*-02-E-UL-350-40K  
Initial Delivered Lumens: 1,751



PWY-EDG-3M-\*\*-02-E-UL-350-40K  
Mounting Height: 3' [0.9m] A.F.G.  
Initial Delivered Lumens: 1,688  
Initial FC at grade

Type III Medium Distribution										
LED Count (x9)	3000K		4000K		5000K		5700K		TRL	
	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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,431	B1 U0 G1	1,688	B1 U0 G1	1,314	B1 U0 G1	1,762	B1 U0 G1	N/A	
525mA										
02	2,004	B1 U0 G1	2,363	B1 U0 G1	1,840	B1 U0 G1	2,468	B1 U0 G1	819	B0 U0 G0

\* 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>



**Job Name:**  
JG Murphy

**Catalog Number:**  
PWY-EDG-5M-P4-02-E-UL-BK-525-30K  
**Notes:**

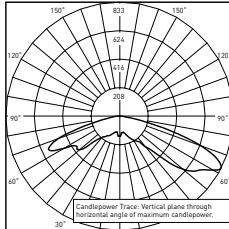
**Type:**  
**B1**  
FLC23-5248

THE EDGE® LED Pathway Luminaire

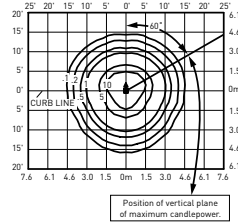
**Photometry**

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/bollards-and-pathway/cree-edge-pathway>

**5M**



RESTL Test Report #: PL12838-003B  
PWY-EDG-5M-\*\*-02-E-UL-350-40K  
Initial Delivered Lumens: 1,947

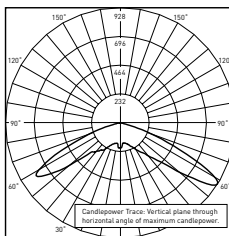


PWY-EDG-5M-\*\*-02-E-UL-350-40K  
Mounting Height: 3' (0.9m) A.F.G.  
Initial Delivered Lumens: 2,025  
Initial FC at grade

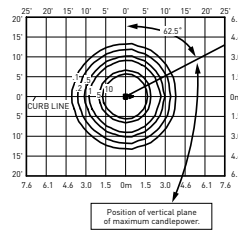
Type V Medium Distribution										
LED Count (x9)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,717	B1 U0 G1	2,025	B1 U0 G1	1,576	B1 U0 G1	2,114	B1 U0 G1	N/A	
525mA										
02	2,404	B2 U0 G2	2,835	B2 U0 G2	2,207	B1 U0 G1	2,960	B2 U0 G2	982	B1 U0 G1

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

**5S**



RESTL Test Report #: PL12838-004B  
PWY-EDG-5S-\*\*-02-E-UL-350-40K  
Initial Delivered Lumens: 2,056



PWY-EDG-5S-\*\*-02-E-UL-350-40K  
Mounting Height: 3' (0.9m) A.F.G.  
Initial Delivered Lumens: 2,270  
Initial FC at grade

Type V Short Distribution										
LED Count (x9)	3000K		4000K		5000K		5700K		TRL	
	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	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,926	B1 U0 G1	2,270	B1 U0 G1	1,768	B1 U0 G1	2,371	B1 U0 G1	N/A	
525mA										
02	2,696	B1 U0 G1	3,178	B2 U0 G1	2,475	B1 U0 G1	3,320	B2 U0 G1	1,101	B1 U0 G0

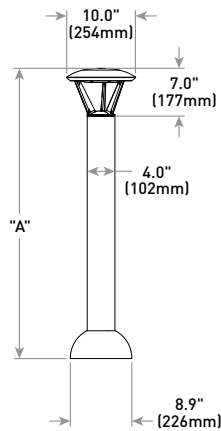
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens.  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.



**Job Name:**  
JG Murphy

## THE EDGE® LED Pathway Luminaire

### with Welded Base



Model	Dim. "A"	Weight*
Pathway [P3]	36" (914mm)	17.9 lbs. (8.1kg)
Pathway [P4]	42" (1068mm)	18.6 lbs. (8.4kg)
Pedestrian [P8]	96" (2438mm)	28.4 lbs (12.9kg)

\* Add 4.5 lbs. (2.0kg) for 347-480V





**Job Name:**  
JG Murphy

**Catalog Number:**  
OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF  
Notes:

**Type:**  
**A2-2**  
FLC23-5248

# OSQ Series

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

Rev. Date: V5 09/14/2021

## 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 U.S.A. of U.S. 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; 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.

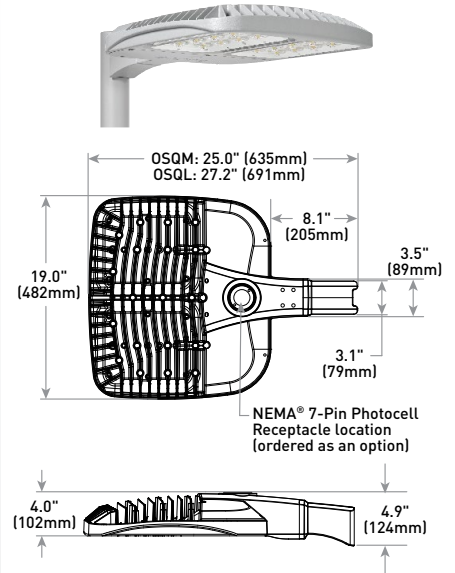
## Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:  
Example: **Mount:** OSQ-ML-B-AA-BK + **Luminaire:** OSQM-B-4L-30K7-2M-UL-NM-BK

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

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

## 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

Luminaire (Mount must be ordered separately)										
OSQ	M	B	16L	5Q	UL	NM	Color Options	Controls**	Options	
Family	Size	Series	Lumen Package <sup>1</sup>	CCT/CRI	Optic	Voltage	Mount			
OSQ	M Medium Large	B	Medium 4L 4,000 Lumens 6L 6,000 Lumens 9L 9,000 Lumens 11L 11,000 Lumens 16L 16,000 Lumens Large 22L 22,000 Lumens 30L 30,000 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 5Q 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 09/08/07/06/05/04/03/02/01 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 - 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 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) R NEMA® 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - 18" [457mm] seven-conductor cord exits luminaire - 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

<sup>1</sup> 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 above)

\*\* Luminaire comes standard with 0-10V dimming



US: [creelighting.com](http://creelighting.com) (800) 236-6800  
Canada: [creelighting-canada.com](http://creelighting-canada.com) (800) 473-1234



## OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium &amp; 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 load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Convenient interlocking mounting method on direct arm. 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 surge suppression protection standard; 20kV 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
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV (standard) and 20kV (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 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
- 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/fsa/fsa-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](http://www.p65warnings.ca.gov)

**Product Specifications**
**SNAPSE® 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	
<b>Twist-Lock Lighting Controller TL7-B2</b> - 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 <a href="#">TL7-B2</a> spec sheet for details	<b>Synapse Wireless Sensor WSN-DPM</b> - Motion and light sensor - Control multiple zones - Refer to <a href="#">WSN-DPM</a> spec sheet for details <b>SimplySNAP On-Site Controller SS450-002</b> - Verizon® LTE-enabled - Designed for indoor applications - Refer to <a href="#">SS450-002</a> spec sheet for details <b>Building Management System (BMS) Gateway BMS-GW-002</b> - Required for BACnet integration - Refer to <a href="#">BMS-GW-002</a> spec sheet for details <b>Outdoor Antennas (Optional, for increased range, 8dB gain)</b> KIT-ANT4205M - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to <a href="#">Outdoor antenna spec sheet</a> for details
<b>Twist-Lock Lighting Controller TL7-HVG</b> - 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 <a href="#">TL7-HVG</a> spec sheet for details	<b>SimplySNAP Central Base Station CBSSW-450-002</b> - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to <a href="#">CBSSW-450-002</a> 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 Maintenance<sup>1</sup>**

Ambient	Optic	Initial LMF	25K hr Reported <sup>2</sup> LMF	50K hr Reported <sup>2</sup> LMF	75K hr Reported <sup>2</sup> / Estimated <sup>3</sup> LMF	100K hr Reported <sup>2</sup> / Estimated <sup>3</sup> LMF
5°C (41°F)	Asymmetric	1.04	1.03	1.01	0.99 <sup>2</sup>	0.97 <sup>2</sup>
	Symmetric	1.05	1.05	1.05	1.05 <sup>3</sup>	1.05 <sup>3</sup>
10°C (50°F)	Asymmetric	1.03	1.02	1.00	0.98 <sup>2</sup>	0.96 <sup>2</sup>
	Symmetric	1.04	1.03	1.03	1.03 <sup>3</sup>	1.03 <sup>3</sup>
15°C (59°F)	Asymmetric	1.02	1.01	0.99	0.97 <sup>2</sup>	0.95 <sup>2</sup>
	Symmetric	1.02	1.02	1.02	1.02 <sup>3</sup>	1.02 <sup>3</sup>
20°C (68°F)	Asymmetric	1.01	1.00	0.98	0.96 <sup>2</sup>	0.94 <sup>2</sup>
	Symmetric	1.01	1.01	1.01	1.01 <sup>3</sup>	1.01 <sup>3</sup>
25°C (77°F)	Asymmetric	1.00	0.99	0.97	0.95 <sup>2</sup>	0.93 <sup>2</sup>
	Symmetric	1.00	1.00	1.00	1.00 <sup>3</sup>	1.00 <sup>3</sup>

<sup>1</sup> 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.

<sup>2</sup> 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.

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

**Accessories**

Field-Installed		
<b>Backlight Shield (Front Facing Optics)</b> OSQ-BLSMF (Medium) OSQ-BLSLF (Large)	<b>Hand-Held Remote</b> XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required	<b>Shorting Cap</b> XA-XLSLHRT
<b>Backlight Shield (Rotated Optics)</b> OSQ-BLSMR (Medium) OSQ-BLSLR (Large)		
<b>Bird Spikes</b> OSQ-MED-BRDSPK OSQ-LG-BRDSPK		



**Job Name:**  
JG Murphy

**Catalog Number:**

OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF

Notes:

**Type:**

**A2-2**

FLC23-5248

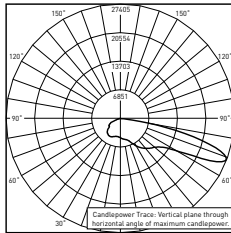
OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

**Photometry**

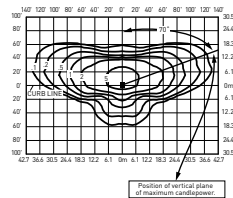
All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:

<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

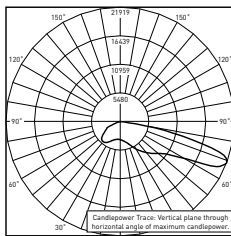


OSQ-B-30L-40K7-2M-UL  
Mounting Height: 25' [7.6m] A.F.G.  
Initial Delivered Lumens: 31,000  
Initial FC at grade

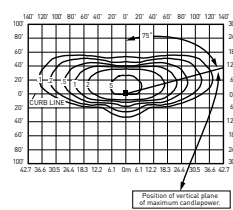
Type II Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG 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

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

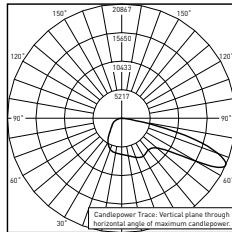
OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

**Photometry**

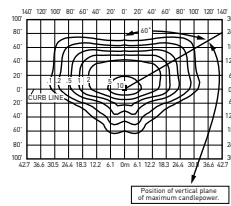
All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:

<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



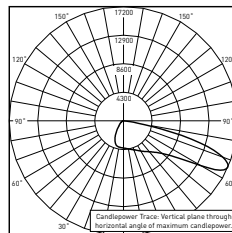
OSQL-B-30L-40K7-3M-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 31,000  
Initial FC at grade

**Type III Mid Distribution**

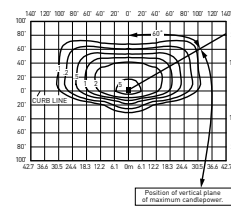
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	4,290	B1 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

\*\* 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 #: PL16044-001A  
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

\*\* 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



**Job Name:**  
JG Murphy

**Catalog Number:**

OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF

Notes:

**Type:**

**A2-2**

FLC23-5248

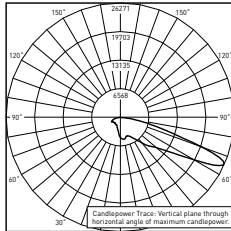
OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

**Photometry**

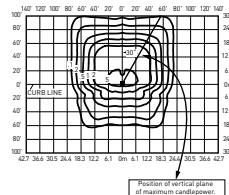
All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:

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

**4M**



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

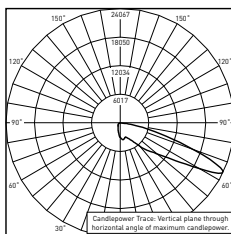


OSQ-B-30L-40K7-4M-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 31,000  
Initial FC at grade

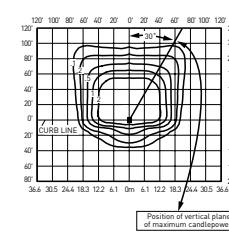
Type IV Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG 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 #: PL16066-001A  
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

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

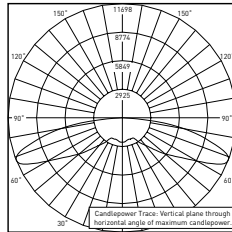
OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

**Photometry**

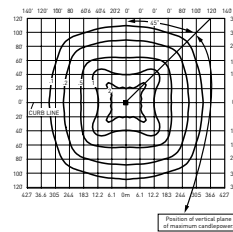
All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:

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

**5M**



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

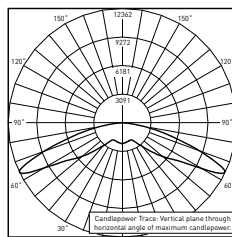


OSQL-B-30L-40K7-5M-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 27,800  
Initial FC at grade

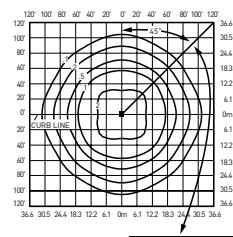
Type V Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** 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  
OSQL-B-30L-40K7-5N-UL  
Initial Delivered Lumens: 29,721



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

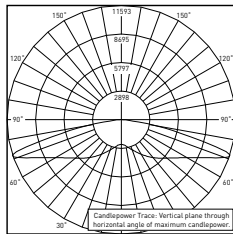
Type V Narrow Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG 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

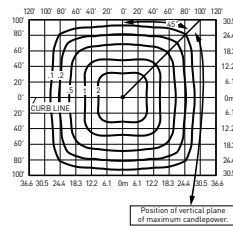
OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium &amp; Large

**Photometry**

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:

<https://creelighting.com/products/outdoor/area/osq-series>**5Q**

RESTL Test Report #: PL16057-001A  
OSQL-B-30L-40K7-5Q-UL  
Initial Delivered Lumens: 29,519



OSQL-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

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



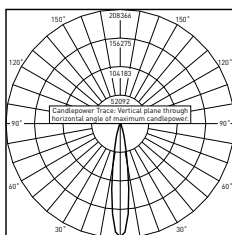
OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

**Photometry**

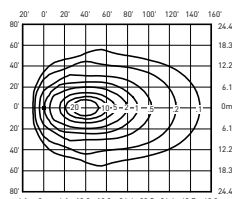
All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:

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

**N3**



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

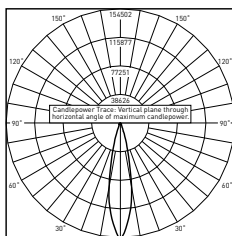


OSQL-B-30L-40K7-N3-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 29,700  
Initial FC at grade

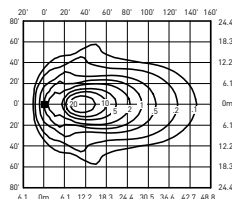
Narrow Flood Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	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  
OSQL-B-30L-40K7-33-UL  
Initial Delivered Lumens: 27,709

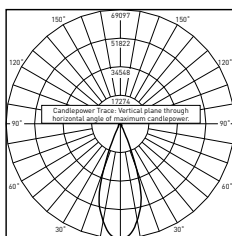


OSQL-B-30L-40K7-33-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 29,700  
Initial FC at grade

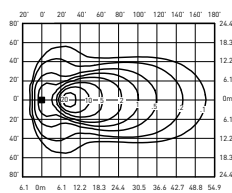
NEMA® 3x3 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	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

**44**



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



OSQL-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

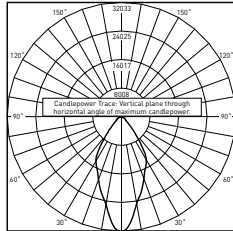
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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

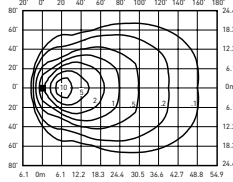
**Photometry**

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:  
<https://creelighting.com/products/outdoor/area/osq-series>

55



RESTL Test Report #: PL16061-001A  
OSQL-B-30L-40K7-55-UL  
Initial Delivered Lumens: 29,479

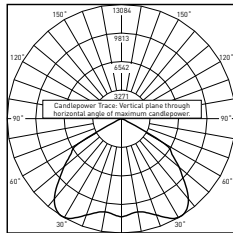


OSQL-B-30L-40K7-55-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 29,700  
Initial FC at grade

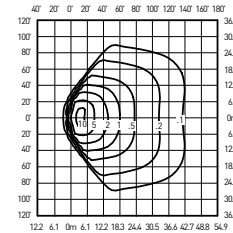
NEMA® 5x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	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

66



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

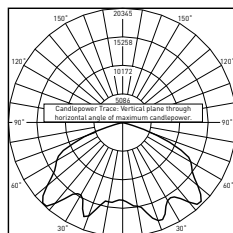


OSQL-B-30L-40K7-66-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 29,700  
Initial FC at grade

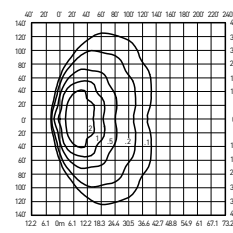
NEMA® 6x6 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	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

75



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



OSQL-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



**Job Name:**  
JG Murphy

**Catalog Number:**

OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF

Notes:

**Type:**

**A2-2**

FLC23-5248

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

**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°
<b>Tenon Configuration [0°-80° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA</b>								
Luminaire	 PB-1A*; PT-1; PW-1A3**	 PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	 PB-2A*; PD-2A4(90); PT-2(90)	 PB-3A*; PD-3A4(90); PT-3(90)	 PB-3A*; PT-3(120)	 PB-3A*; PB-3R2.375	 PB-4A*(180)	 PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)
<b>0° Tilt</b>								
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
<b>10° Tilt</b>								
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
<b>20° Tilt</b>								
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
<b>30° Tilt</b>								
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
<b>45° Tilt</b>								
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
<b>60° Tilt</b>								
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
<b>70° Tilt</b>								
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
<b>80° Tilt</b>								
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
<b>Tenon Configuration [90° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA</b>								
Luminaire	PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*	PB-3A*	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375
<b>90° Tilt</b>								
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 <sup>2</sup> (must specify color)	
<p><b>Square Internal Mount Vertical Tenons (Steel)</b> - Mounts to 3-6" [76-152mm] square aluminum or steel poles</p> <p>PB-1A* – Single PB-2A* – 180° Twin PB-3A* – 180° Triple</p>	<p><b>Round External Mount Vertical Tenons (Steel)</b> - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>PB-2R2.375 – Twin PB-3R2.375 – Triple</p>
<p><b>Square Internal Mount Horizontal Tenons (Aluminum)</b> - Mounts to 4" [102mm] square aluminum or steel poles</p> <p>PD-2A4(90) – 90° Twin PD-2A4(180) – 180° Twin PD-3A4(90) – 90° Triple PD-4A4(90) – 90° Quad</p>	<p><b>Round External Mount Horizontal Tenons (Aluminum)</b> - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>- Mounts to square pole with PB-1A* tenon</p> <p>PT-1 – Single (Vertical) PT-2(90) – 90° Twin PT-2(180) – 180° Twin</p> <p>PT-3(90) – 90° Triple PT-3(120) – 120° Triple PT-4(90) – 90° Quad</p>
<p><b>Wall Mount Brackets</b> - Mounts to wall or roof</p> <p>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-DA mount</p>	<p><b>Mid-Pole Bracket</b> - Mounts to square pole</p> <p>PW-1A3** – Single PW-2A3** – Double</p>
<p><b>Ground Mount Post</b> - For ground-mounted flood luminaires</p> <p>PGM-1 - for OSQ-ML-B-AA mount</p>	

<sup>2</sup> Refer to the [Bracket and Tenons spec sheet](#) for more details



**Job Name:**  
JG Murphy

**Catalog Number:**

OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF

Notes:

**Type:**

**A2-2**

FLC23-5248

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

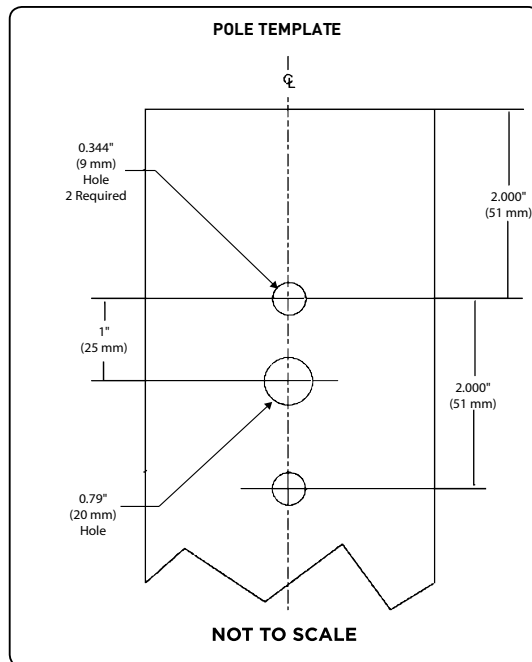
**Luminaire EPA**

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°
<b>3" Square</b>					
Medium/Large	N/A	✓	N/A	N/A	N/A
<b>3" Round</b>					
Medium/Large	N/A	✓	N/A	N/A	N/A
<b>4" Square</b>					
Medium/Large	✓	✓	✓	N/A	✓
<b>4" Round</b>					
Medium/Large	✓	✓	✓	✓	✓
<b>5" Square</b>					
Medium/Large	✓	✓	✓	N/A	✓
<b>5" Round</b>					
Medium/Large	✓	✓	✓	✓	✓
<b>6" + Square</b>					
Medium/Large	✓	✓	✓	N/A	✓
<b>6" + Round</b>					
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
<b>0° Tilt</b>		
0.75		0.81
<b>15° Tilt</b>		
0.99		1.12
<b>30° Tilt</b>		
1.57		1.74
<b>45° Tilt</b>		
2.07		2.35
<b>60° Tilt</b>		
2.46		2.59
<b>75° Tilt</b>		
2.67		2.83
<b>90° Tilt</b>		
2.33		3.07

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

**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	X2	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	X1	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	

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

**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	

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

**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	



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

**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	

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

**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	

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

**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	

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

**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	104	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	



**Job Name:**  
JG Murphy

**Catalog Number:**

OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF

Notes:

**Type:**

**A2-2**

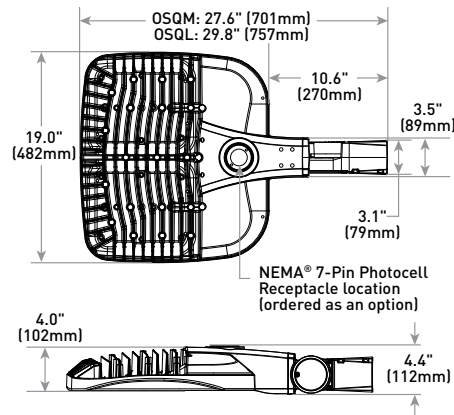
FLC23-5248

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

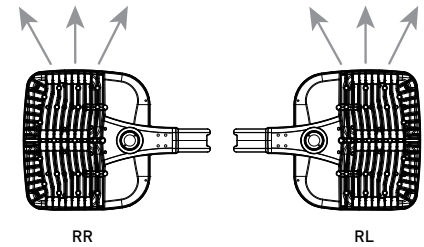
**OSQ-ML-B-AA Mount**



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



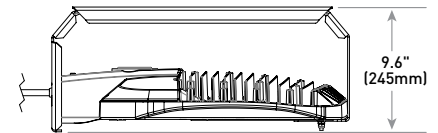
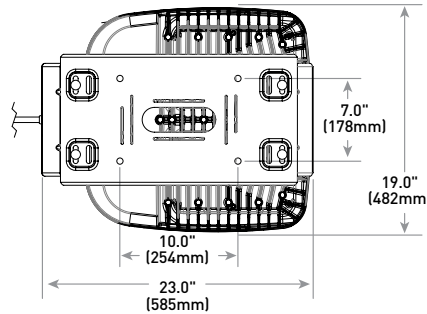
**RR/RL Configuration**



**OSQ-ML-B-TSP Mount**



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

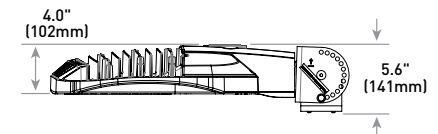
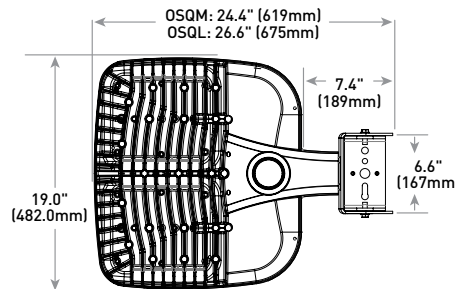


OSQ Large luminaire shown.

**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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**Job Name:**  
JG Murphy

**Catalog Number:**  
OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF  
Notes:

**Type:**  
**A2**  
FLC23-5248

# OSQ Series

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

Rev. Date: V5 09/14/2021

## 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 U.S.A. of U.S. 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; 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.

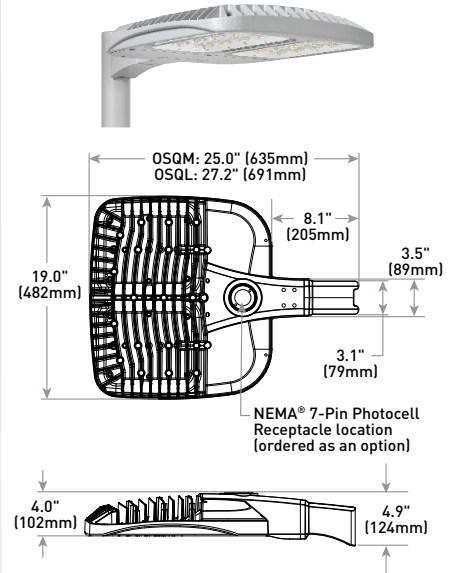
## Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:  
Example: **Mount:** OSQ-ML-B-AA-BK + **Luminaire:** OSQM-B-4L-30K7-2M-UL-NM-BK

Mount (Luminaire must be ordered separately)*	
OSQ- <b>ML-B-DA</b>	
OSQ-ML-B-AA Adjustable Arm	<b>Color Options:</b> 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

## 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

Luminaire (Mount must be ordered separately)										
OSQ	M	B	16L	40K7	5Q	UL	NM	Color Options	Controls**	Options
Family	Size	Series	Lumen Package <sup>1</sup>	CCT/CRI	Optic	Voltage	Mount			
OSQ	M Medium L Large	B	Medium 4L 4,000 Lumens 6L 6,000 Lumens 9L 9,000 Lumens 11L 11,000 Lumens 16L 16,000 Lumens Large 22L 22,000 Lumens 30L 30,000 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 5Q 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 09/08/07/06/05/04/03/02/01 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 - 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 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) R NEMA® 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - 18" [457mm] seven-conductor cord exits luminaire - 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

<sup>1</sup> 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 above)

\*\* Luminaire comes standard with 0-10V dimming



US: [creelighting.com](http://creelighting.com) (800) 236-6800  
Canada: [creelighting-canada.com](http://creelighting-canada.com) (800) 473-1234





**Job Name:**  
JG Murphy

**Catalog Number:**

OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF

Notes:

**Type:**

**A2**

FLC23-5248

## 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 load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Convenient interlocking mounting method on direct arm. 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 surge suppression protection standard; 20kV 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
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV (standard) and 20kV (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 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
- 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/isa/isa-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](http://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	
<b>Twist-Lock Lighting Controller TL7-B2</b> - 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 <a href="#">TL7-B2</a> spec sheet for details	<b>Synapse Wireless Sensor WSN-DPM</b> - Motion and light sensor - Control multiple zones - Refer to <a href="#">WSN-DPM</a> spec sheet for details <b>SimplySNAP On-Site Controller SS450-002</b> - Verizon® LTE-enabled - Designed for indoor applications - Refer to <a href="#">SS450-002</a> spec sheet for details <b>Building Management System (BMS) Gateway BMS-GW-002</b> - Required for BACnet integration - Refer to <a href="#">BMS-GW-002</a> spec sheet for details <b>Outdoor Antennas (Optional, for increased range, 8dB gain)</b> KIT-ANT420SM - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to <a href="#">Outdoor antenna spec sheet</a> for details
<b>Twist-Lock Lighting Controller TL7-HVG</b> - 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 <a href="#">TL7-HVG</a> spec sheet for details	<b>SimplySNAP Central Base Station CBSSW-450-002</b> - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to <a href="#">CBSSW-450-002</a> 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 Maintenance<sup>1</sup>

Ambient	Optic	Initial LMF	25K hr Reported <sup>2</sup> LMF	50K hr Reported <sup>2</sup> LMF	75K hr Reported <sup>2</sup> / Estimated <sup>3</sup> LMF	100K hr Reported <sup>2</sup> / Estimated <sup>3</sup> LMF
5°C (41°F)	Asymmetric	1.04	1.03	1.01	0.99 <sup>2</sup>	0.97 <sup>2</sup>
	Symmetric	1.05	1.05	1.05	1.05 <sup>3</sup>	1.05 <sup>3</sup>
10°C (50°F)	Asymmetric	1.03	1.02	1.00	0.98 <sup>2</sup>	0.96 <sup>2</sup>
	Symmetric	1.04	1.03	1.03	1.03 <sup>3</sup>	1.03 <sup>3</sup>
15°C (59°F)	Asymmetric	1.02	1.01	0.99	0.97 <sup>2</sup>	0.95 <sup>2</sup>
	Symmetric	1.02	1.02	1.02	1.02 <sup>3</sup>	1.02 <sup>3</sup>
20°C (68°F)	Asymmetric	1.01	1.00	0.98	0.96 <sup>2</sup>	0.94 <sup>2</sup>
	Symmetric	1.01	1.01	1.01	1.01 <sup>3</sup>	1.01 <sup>3</sup>
25°C (77°F)	Asymmetric	1.00	0.99	0.97	0.95 <sup>2</sup>	0.93 <sup>2</sup>
	Symmetric	1.00	1.00	1.00	1.00 <sup>3</sup>	1.00 <sup>3</sup>

<sup>1</sup> 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.

<sup>2</sup> 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.

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

#### Accessories

Field-Installed		
<b>Backlight Shield (Front Facing Optics)</b> OSQ-BLSMF (Medium) OSQ-BLSLF (Large)	<b>Hand-Held Remote</b> XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required	<b>Shorting Cap</b> XA-XLSLHRT
<b>Backlight Shield (Rotated Optics)</b> OSQ-BLSMR (Medium) OSQ-BLSLR (Large)		
<b>Bird Spikes</b> OSQ-MED-BRDSPK OSQ-LG-BRDSPK		

US: [creelighting.com](http://creelighting.com) (800) 236-6800

Canada: [creelighting-canada.com](http://creelighting-canada.com) (800) 473-1234

**CREE** ⇄ LIGHTING®





**Job Name:**  
JG Murphy

**Catalog Number:**

OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF

Notes:

**Type:**

**A2**

FLC23-5248

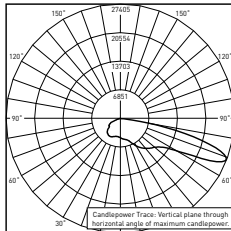
OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

**Photometry**

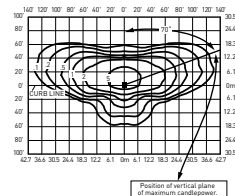
All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:

<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

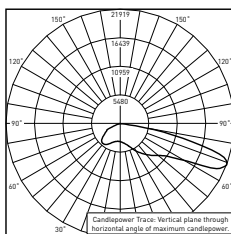


OSQ-B-30L-40K7-2M-UL  
Mounting Height: 25' [7.6m] A.F.G.  
Initial Delivered Lumens: 31,000  
Initial FC at grade

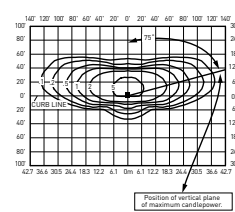
Type II Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG 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

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

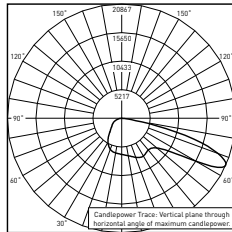
OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

**Photometry**

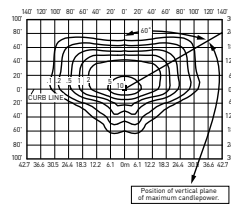
All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:

<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



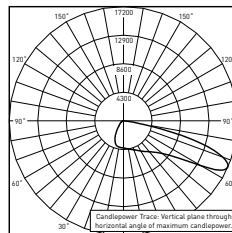
OSQL-B-30L-40K7-3M-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 31,000  
Initial FC at grade

**Type III Mid Distribution**

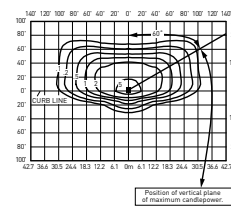
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	4,290	B1 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

\*\* 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 #: PL16044-001A  
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

\*\* 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



**Job Name:**  
JG Murphy

**Catalog Number:**

OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF

Notes:

**Type:**

**A2**

FLC23-5248

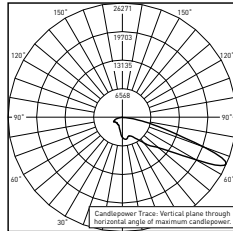
OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

**Photometry**

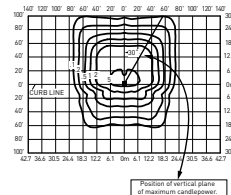
All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:

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

**4M**



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



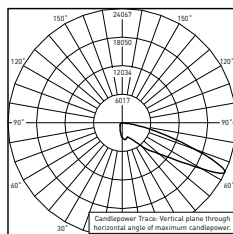
OSQ-B-30L-40K7-4M-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 31,000  
Initial FC at grade

**Type IV Mid Distribution**

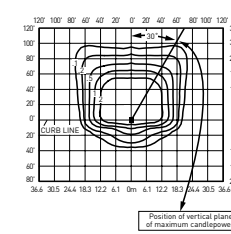
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
4L	4,290	B1 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 #: PL16066-001A  
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

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

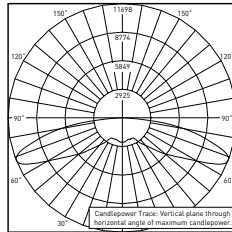
OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium & Large

**Photometry**

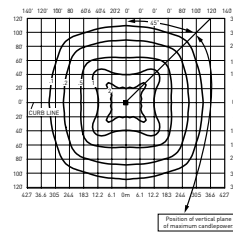
All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:

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

**5M**



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

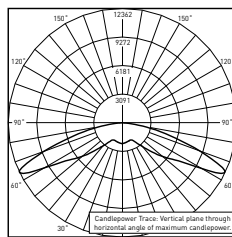


**OSQL-B-30L-40K7-5M-UL**  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 27,800  
Initial FC at grade

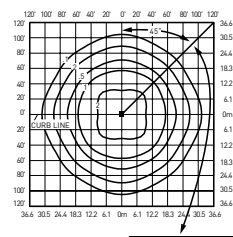
Type V Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** 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**



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



**OSQL-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

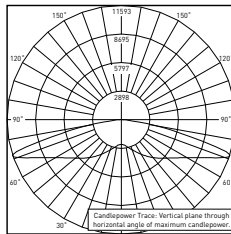
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with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

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

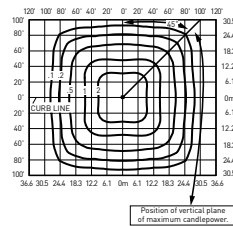
**Photometry**

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:

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

**5Q**

RESTL Test Report #: PL16057-001A  
OSQL-B-30L-40K7-5Q-UL  
Initial Delivered Lumens: 29,519



OSQL-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

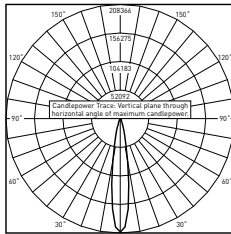
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

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

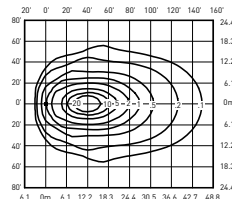
**Photometry**

All published luminaire photometric testing performed to IES LM-79-08 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  
OSQL-B-30L-40K7-N3-UL  
Initial Delivered Lumens: 30,311

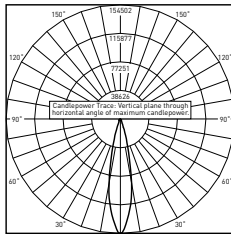


OSQL-B-30L-40K7-N3-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 29,700  
Initial FC at grade

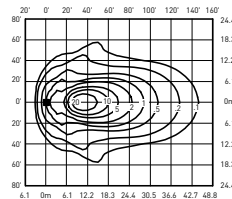
Narrow Flood Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	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  
OSQL-B-30L-40K7-33-UL  
Initial Delivered Lumens: 27,709

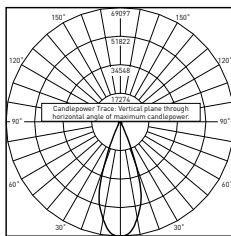


OSQL-B-30L-40K7-33-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 29,700  
Initial FC at grade

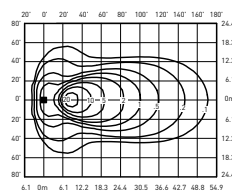
NEMA® 3x3 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	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

**44**



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



OSQL-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

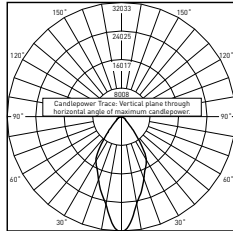
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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

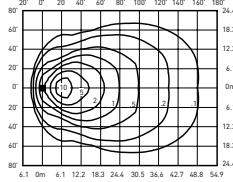
**Photometry**

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult:  
<https://creelighting.com/products/outdoor/area/osq-series>

55



RESTL Test Report #: PL16061-001A  
OSQL-B-30L-40K7-55-UL  
Initial Delivered Lumens: 29,479



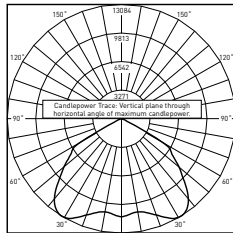
OSQL-B-30L-40K7-55-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 29,700  
Initial FC at grade

**NEMA® 5x5 Distribution**

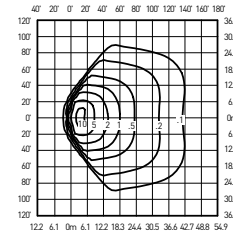
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	10,125	11,950
16L	15,475	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

66



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



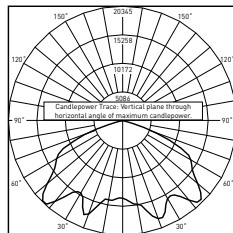
OSQL-B-30L-40K7-66-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 29,700  
Initial FC at grade

**NEMA® 6x6 Distribution**

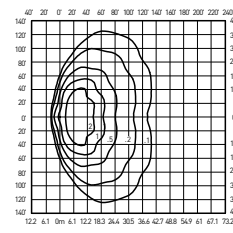
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	4,430	4,620	3,910	4,620
6L	6,225	6,500	5,500	6,500
9L	9,825	10,250	8,675	10,250
11L	11,450	11,950	10,125	11,950
16L	15,475	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

75



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



OSQL-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



**Job Name:**  
JG Murphy

**Catalog Number:**

OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF

Notes:

**Type:**

**A2**

FLC23-5248

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

**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°
<b>Tenon Configuration [0°-80° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA</b>								
Luminaire	 PB-1A*; PT-1; PW-1A3**	 PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	 PB-2A*; PD-2A4(90); PT-2(90)	 PB-3A*; PD-3A4(90); PT-3(90)	 PB-3A*; PT-3(120)	 PB-3A*; PB-3R2.375	 PB-4A*(180)	 PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)
<b>0° Tilt</b>								
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
<b>10° Tilt</b>								
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
<b>20° Tilt</b>								
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
<b>30° Tilt</b>								
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
<b>45° Tilt</b>								
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
<b>60° Tilt</b>								
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
<b>70° Tilt</b>								
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
<b>80° Tilt</b>								
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
<b>Tenon Configuration [90° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA</b>								
Luminaire	PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*	PB-3A*	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375
<b>90° Tilt</b>								
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 <sup>2</sup> (must specify color)	
<p><b>Square Internal Mount Vertical Tenons (Steel)</b> - Mounts to 3-6" [76-152mm] square aluminum or steel poles</p> <p>PB-1A* – Single PB-2A* – 180° Twin PB-3A* – 180° Triple</p>	<p><b>Round External Mount Vertical Tenons (Steel)</b> - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>PB-2R2.375 – Twin PB-3R2.375 – Triple</p>
<p><b>Square Internal Mount Horizontal Tenons (Aluminum)</b> - Mounts to 4" [102mm] square aluminum or steel poles</p> <p>PD-2A4(90) – 90° Twin PD-2A4(180) – 180° Twin PD-3A4(90) – 90° Triple PD-4A4(90) – 90° Quad</p>	<p><b>Round External Mount Horizontal Tenons (Aluminum)</b> - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>- Mounts to square pole with PB-1A* tenon</p> <p>PT-1 – Single (Vertical) PT-2(90) – 90° Twin PT-2(180) – 180° Twin</p> <p>PT-3(90) – 90° Triple PT-3(120) – 120° Triple PT-4(90) – 90° Quad</p>
<p><b>Wall Mount Brackets</b> - Mounts to wall or roof</p> <p>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-DA mount</p>	<p><b>Mid-Pole Bracket</b> - Mounts to square pole</p> <p>PW-1A3** – Single PW-2A3** – Double</p>
	<p><b>Ground Mount Post</b> - For ground-mounted flood luminaires</p> <p>PGM-1 - for OSQ-ML-B-AA mount</p>

<sup>2</sup> Refer to the [Bracket and Tenons spec sheet](#) for more details



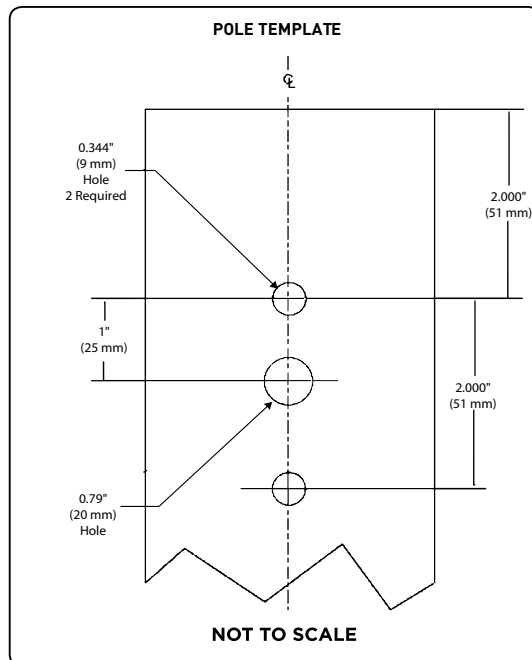
OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Medium &amp; Large

**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°
<b>3" Square</b>					
Medium/Large	N/A	✓	N/A	N/A	N/A
<b>3" Round</b>					
Medium/Large	N/A	✓	N/A	N/A	N/A
<b>4" Square</b>					
Medium/Large	✓	✓	✓	N/A	✓
<b>4" Round</b>					
Medium/Large	✓	✓	✓	✓	✓
<b>5" Square</b>					
Medium/Large	✓	✓	✓	N/A	✓
<b>5" Round</b>					
Medium/Large	✓	✓	✓	✓	✓
<b>6" + Square</b>					
Medium/Large	✓	✓	✓	N/A	✓
<b>6" + Round</b>					
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
<b>0° Tilt</b>		
0.75		0.81
<b>15° Tilt</b>		
0.99		1.12
<b>30° Tilt</b>		
1.57		1.74
<b>45° Tilt</b>		
2.07		2.35
<b>60° Tilt</b>		
2.46		2.59
<b>75° Tilt</b>		
2.67		2.83
<b>90° Tilt</b>		
2.33		3.07

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

**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	X2	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	X1	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	



**Job Name:**  
JG Murphy

**Catalog Number:**

OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF

Notes:

**Type:**

**A2**

FLC23-5248

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

**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	

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

**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	

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

**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	

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

**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	

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

**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	


**Job Name:**  
JG Murphy

**Catalog Number:**

 OSQM-B-16L-30K7-4M-UL-NM-BK  
 OSQ-ML-B-DA-BK OSQ-BLSMF  
 Notes:

**Type:**
**A2**

FLC23-5248

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

**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	104	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	





**Job Name:**  
JG Murphy

**Catalog Number:**

OSQM-B-16L-30K7-4M-UL-NM-BK  
OSQ-ML-B-DA-BK OSQ-BLSMF

Notes:

**Type:**

**A2**

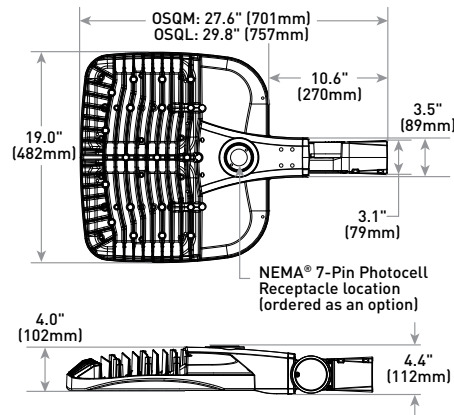
FLC23-5248

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

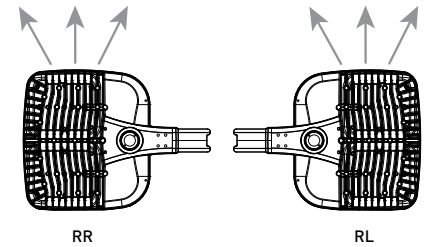
**OSQ-ML-B-AA Mount**



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



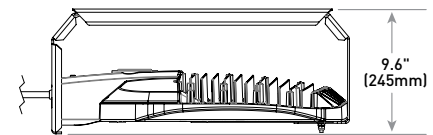
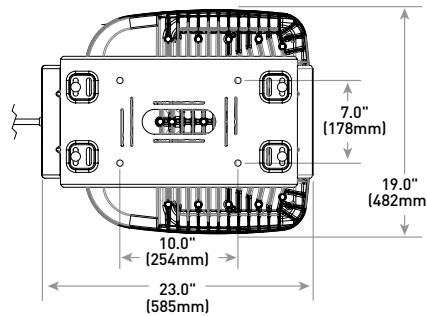
**RR/RL Configuration**



**OSQ-ML-B-TSP Mount**



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

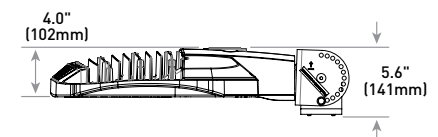
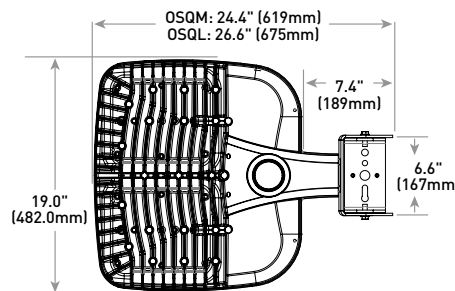


OSQ Large luminaire shown.

**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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**Job Name:**  
JG Murphy

**Catalog Number:**

OSQX-B-40L-30K7-4M-UL-NM-BK  
OSQ-X-B-AA-BK OSQ-BLSXF

Notes:

**Type:**

**A1**

FLC23-5248

# OSQ Series

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

Rev. Date: V3 07/18/2022

## Product Description

The OSQ™ Extra Large 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 OSQ extra large luminaire is a suitable upgrade for HID applications with one or even multiple 1000 Watt luminaires.

**Applications:** Auto dealerships, parking lots, campuses, facade lighting, high-mast and general site lighting applications

## 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:** 25,500 - 86,000

**Efficacy:** 162 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

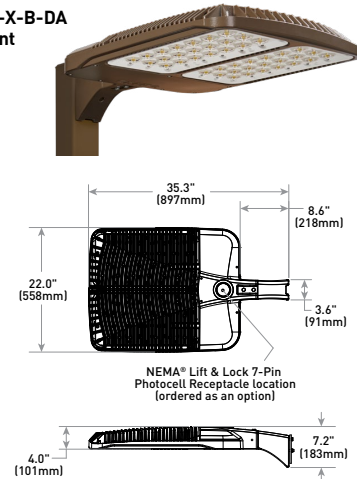
\* See <http://creeighting.com/warranty> for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms.

## Ordering Information

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

Example: **Mount:** OSQ-X-AA-SV + **Luminaire:** OSQX-B-40L-30K7-2M-UL-NM-SV

### OSQ-X-B-DA Mount



Lumen Package	Voltage	Weight
40/50L	120-480V	70.0 lbs. (31.8kg)
65L/75L	120-480V	72.0 lbs. (32.7kg)

Note: Refer to page 12 for fixture mounting drill pattern. For OSQ-X-B-AA mount diagram, refer to page 13.

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

\* Reference EPA and pole configuration suitability data beginning on page 11

Luminaire (Mount must be ordered separately)											
OSQ	X	B							NM		
Family	Size	Series	Lumen Package**	CCT/ CRI	Optic	Voltage	Mount	Color Options	Controls***	Options	
OSQ	X	B	40L 40,000 Lumens	30K7 3000K, 70 CRI	Asymmetric 2M* Type II 4M* Type IV Medium	UL Universal 120-277V - All lumen packages	NM No Mount	BK Black BZ Bronze SV Silver WH White	PML Programmable Multi-Level, up to 40' Mounting Height - Refer to PML spec sheet for details - Not available with 65L or 75L - 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 - Not available with 65L or 75L when ordered w/R option - Offers full range adjustability - Refer to pages 14-17 for power and lumen values - Not available with PML option X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output - Must select X8, X7, X6, X5, X4, X3, X2, or X1 - Not available with 65L or 75L when ordered w/R option - Lumen output is permanently locked to the setting selected - Refer to pages 14-17 for power and lumen values - Not available with PML option	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) - 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 - 12" (305mm) seven-conductor leads exit luminaire - Requires photocell or shorting cap by others - Not available with 65L or 75L when ordered w/Q or X options - Refer to page 2 for compatible Synapse control offerings RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 13 for optic directionality RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 13 for optic directionality	
			50L 50,000 Lumens	4000K, 70 CRI	3M* Type III AF* Automotive FrontlineOptic™	UM Universal 208-480V - 75L lumen package only					
			65L 65,000 Lumens	5000K, 90 CRI	5M Type V NEMA® 4x4 Medium	UE Universal 277-480V - 65L lumen package only					
			75L 75,000 Lumens	5700K, 70 CRI	5N Type V NEMA® 5x5 Narrow						
					66 NEMA® 6x6 N3 Narrow Flood 75 NEMA® 7x5 33 NEMA® 3x3						

\*\* Available with Backlight Shield when ordered with field-installed accessory [on page 2].

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

\*\*\* Luminaire comes standard with 0-10V dimming.



**CREE LIGHTING®**

US: [creeighting.com](http://creeighting.com) (800) 236-6800

Canada: [creeighting-canada.com](http://creeighting-canada.com) (800) 473-1234



**Job Name:**  
JG Murphy

**Catalog Number:**

OSQX-B-40L-30K7-4M-UL-NM-BK  
OSQ-X-B-AA-BK OSQ-BLSXF

Notes:

**Type:**

**A1**

FLC23-5248

## OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Extra 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 load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adaptor is rugged die cast aluminum and mounts to 3" (76mm) or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Adjustable arm that mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon. Tenon length must be a minimum of 3.75" (95mm)
- Adjustable arm mount can be adjusted 180° in 5.0° increments
- Includes 12" (305mm) 18/5 or 16/5 leads exiting the luminaire. When ordered with R option, 12" (305mm) 18/7 or 16/7 leads are 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:** See Dimension and Weight Chart on pages 1 and 13

#### ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 208-480V, 277-480V 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. For 65L and 75L SKUs with UL voltage, dimming control lines must be > 1V when operated at 277V. Controls by others
- Refer to Dimming spec sheet for details
- **Maximum 10V Source Current:** 1mA
- **Operating Temperature Range:** -40°C to 40°C [-40° F to 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
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G vibration standards
- ANSI C136.2 10kV/5kA (standard) and 20kV/10kA (optional) surge 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
- OSQX luminaires are enclosure rated IP66 per IEC 60598-1 when ordered without the R option. Luminaires with R option meet IP66 requirements per IEC 60598-1 when used with IP66 rated NEMA control or shorting cap
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and DA mount only. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/isa/isa-products/> for most current information
- DLC and 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](http://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 or TL7-HVG) 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
- Suitable for 120-277V (UL) voltage only
- Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle
- Not for use with PML or Q options
- Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaires
- Refer to [TL7-B2 spec sheet](#) for details

##### Twist-Lock Lighting Controller

- TL7-HVG
- Suitable for 120-480V (IE, UH, UL and UM voltages)
- Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle
- Not for use with PML 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 Central Base Station

- CBSSW-450-002
- Includes On-Site Controller (SS450-002) and 5-button switch
- Indoor and Outdoor rated
- Refer to [CBSSW-450-002 spec sheet](#) for details

##### Synapse Wireless Sensor

- WSN-DPM
- Motion and light sensor
- Control multiple zones
- Refer to [WSN-DPM spec sheet](#) for details

##### SimplySNAP On-Site Controller

- SS450-002
- Verizon® LTE-enabled
- Designed for indoor applications
- Refer to [SS450-002 spec sheet](#) for details

##### Building Management System (BMS) Gateway

- BMS-GW-002
- Required for BACnet integration
- Refer to [BMS-GW-002 spec sheet](#) for details

##### Outdoor Antennas

- [Optional, for increased range, 8dB gain]**
- KIT-ANT420SM
- Kit includes antenna, 20' cable and bracket
- KIT-ANT360
- Kit includes antenna, 30' cable and bracket
- KIT-ANT600
- Kit includes antenna, 50' cable and bracket
- Refer to [Outdoor antenna spec sheet](#) for details

#### Electrical Data\*

Lumen Package	System Watts 120-480V	Total Current [A]					
		120V	208V	240V	277V	347V	480V
40L	301	2.54	1.46	1.27	1.10	0.88	0.63
50L	383	3.23	1.86	1.61	1.40	1.12	0.81
65L	458	3.97	2.29	1.99	1.72	1.32	0.95
75L	553	4.73	2.78	2.30	1.98	1.59	1.15

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V, 208-480V, 277-480V or 347-480V +/- 10%

#### OSQ Series (OSQX) Ambient Adjusted Lumen Maintenance<sup>1</sup>

Ambient	Optic	Initial LMF	25K hr Reported <sup>2</sup> LMF	50K hr Reported <sup>2</sup> LMF	75K hr Reported <sup>2</sup> / Estimated <sup>3</sup> LMF	100K hr Reported <sup>2</sup> / Estimated <sup>3</sup> LMF
5°C (41°F)	Asymmetric	1.04	1.03	1.01	0.99 <sup>2</sup>	0.97 <sup>2</sup>
	Symmetric	1.05	1.05	1.05	1.05 <sup>3</sup>	1.05 <sup>3</sup>
10°C (50°F)	Asymmetric	1.03	1.02	1.00	0.98 <sup>2</sup>	0.96 <sup>2</sup>
	Symmetric	1.04	1.03	1.03	1.03 <sup>3</sup>	1.03 <sup>3</sup>
15°C (59°F)	Asymmetric	1.02	1.01	0.99	0.97 <sup>2</sup>	0.95 <sup>2</sup>
	Symmetric	1.02	1.02	1.02	1.02 <sup>3</sup>	1.02 <sup>3</sup>
20°C (68°F)	Asymmetric	1.01	1.00	0.98	0.96 <sup>2</sup>	0.94 <sup>2</sup>
	Symmetric	1.01	1.01	1.01	1.01 <sup>3</sup>	1.01 <sup>3</sup>
25°C (77°F)	Asymmetric	1.00	0.99	0.97	0.95 <sup>2</sup>	0.93 <sup>2</sup>
	Symmetric	1.00	1.00	1.00	1.00 <sup>3</sup>	1.00 <sup>3</sup>

<sup>1</sup> 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.

<sup>2</sup> 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.

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

#### Accessories

##### Field-Installed

##### Backlight Shields (One pair)

- OSQ-BLSXF (Extra Large)
- Front facing optics
- OSQ-BLSXR (Extra Large)
- Rotated optics

##### Shorting Cap

- XA-XLSHRT
- Bird Spikes**
- OSQ-XL-BRDSPK

##### Hand-Held Remote

- XA-SENSREM
- For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required



**Job Name:**  
JG Murphy

**Catalog Number:**

OSQX-B-40L-30K7-4M-UL-NM-BK  
OSQ-X-B-AA-BK OSQ-BLSXF

Notes:

**Type:**

**A1**

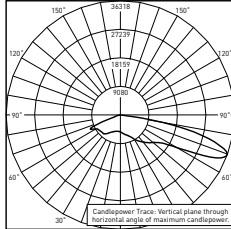
FLC23-5248

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

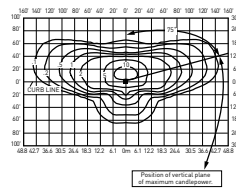
**Photometry**

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

**2M**



RESTL Test Report #: PL16478-001A  
OSQX-B-40L-40K7-2M-UL  
Initial Delivered Lumens: 45,082

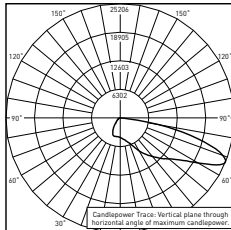


OSQX-B-40L-40K7-2M-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 44,400  
Initial FC at grade

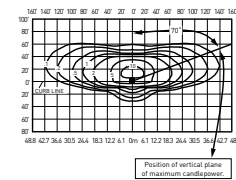
Type II Mid Distribution								
Lumen Package	3000K/70 CRI		4000K/70 CRI		5000K/90 CRI		5700K/70 CRI	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
40L	41,500	B4 U0 G5	44,400	B4 U0 G5	36,100	B4 U0 G4	44,400	B4 U0 G5
50L	53,600	B4 U0 G5	57,400	B4 U0 G5	46,600	B4 U0 G5	57,400	B4 U0 G5
65L	69,300	B5 U0 G5	74,100	B5 U0 G5	60,200	B4 U0 G5	74,100	B5 U0 G5
75L	80,400	B5 U0 G5	86,000	B5 U0 G5	69,800	B5 U0 G5	86,000	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

**2M W/BLS**



RESTL Test Report #: PL16484-001A  
OSQX-B-40L-40K7-2M-UL  
w/OSQ-BLSXF  
Initial Delivered Lumens: 33,890



OSQX-B-40L-40K7-2M-UL w/  
OSQ-BLSXF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 34,400  
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
40L	32,100	B3 U0 G4	34,400	B3 U0 G4	27,900	B2 U0 G4	34,400	B3 U0 G4
50L	41,500	B3 U0 G4	44,400	B3 U0 G5	36,000	B3 U0 G4	44,400	B3 U0 G5
65L	53,600	B3 U0 G5	57,300	B3 U0 G5	46,600	B3 U0 G5	57,300	B3 U0 G5
75L	62,200	B3 U0 G5	66,500	B3 U0 G5	54,000	B3 U0 G5	66,500	B3 U0 G5

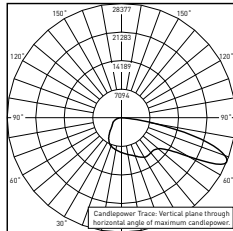
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with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

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

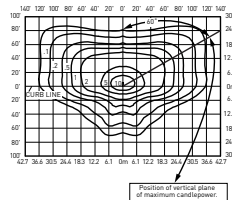
**Photometry**

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

**3M**



**RESTL Test Report #:** PL16594-001A  
OSQX-B-40L-40K7-3M-UL  
**Initial Delivered Lumens:** 43,786

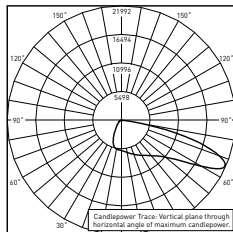


OSQX-B-40L-40K7-3M-UL  
**Mounting Height:** 25' [7.6m] A.F.G.  
**Initial Delivered Lumens:** 44,400  
Initial FC at grade

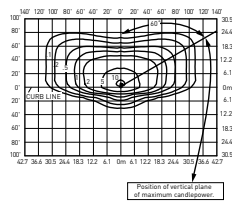
Type III Mid Distribution								
Lumen Package	3000K/70 CRI		4000K/70 CRI		5000K/90 CRI		5700K/70 CRI	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
40L	41,500	B4 U0 G5	44,400	B4 U0 G5	36,100	B4 U0 G4	44,400	B4 U0 G5
50L	53,600	B4 U0 G5	57,400	B4 U0 G5	46,600	B4 U0 G5	57,400	B4 U0 G5
65L	69,300	B4 U0 G5	74,100	B5 U0 G5	60,200	B4 U0 G5	74,100	B5 U0 G5
75L	80,400	B5 U0 G5	86,000	B5 U0 G5	69,800	B4 U0 G5	86,000	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

**3M W/BLS**



**RESTL Test Report #:** PL16483-001A  
OSQX-B-40L-40K7-3M-UL  
w/OSQ-BLSXF  
**Initial Delivered Lumens:** 30,663



OSQX-B-40L-40K7-3M-UL  
w/OSQ-BLSXF  
**Mounting Height:** 25' [7.6m] A.F.G.  
**Initial Delivered Lumens:** 31,400  
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
40L	29,300	B3 U0 G4	31,400	B3 U0 G4	25,500	B3 U0 G4	31,400	B3 U0 G4
50L	37,800	B3 U0 G5	40,500	B3 U0 G5	32,900	B3 U0 G4	40,500	B3 U0 G5
65L	48,900	B3 U0 G5	52,300	B4 U0 G5	42,500	B3 U0 G5	52,300	B4 U0 G5
75L	56,700	B4 U0 G5	60,700	B4 U0 G5	49,300	B3 U0 G5	60,700	B4 U0 G5

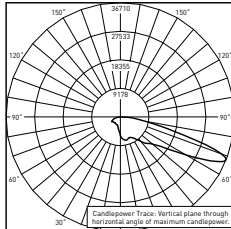
\* Initial delivered lumens at 25°C [77°F]. Actual production yield may vary between -10 and +10% of initial delivered lumens  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with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

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

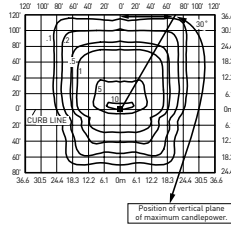
**Photometry**

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

**4M**



RESTL Test Report #: PL16479-001A  
OSQX-B-40L-40K7-4M-UL  
Initial Delivered Lumens: 44,187



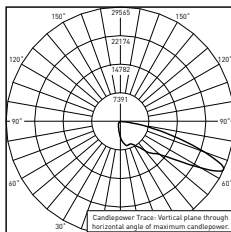
OSQX-B-40L-40K7-4M-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 44,400  
Initial FC at grade

**Type IV Mid Distribution**

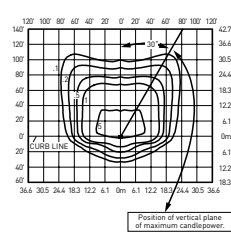
Lumen Package	3000K/70 CRI		4000K/70 CRI		5000K/90 CRI		5700K/70 CRI	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
40L	41,500	B3 U0 G5	44,400	B4 U0 G5	36,100	B3 U0 G5	44,400	B4 U0 G5
50L	53,600	B4 U0 G5	57,400	B4 U0 G5	46,600	B4 U0 G5	57,400	B4 U0 G5
65L	69,300	B4 U0 G5	74,100	B4 U0 G5	60,200	B4 U0 G5	74,100	B4 U0 G5
75L	80,400	B4 U0 G5	86,000	B5 U0 G5	69,800	B4 U0 G5	86,000	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

**4M w/BLS**



RESTL Test Report #: PL16485-001A  
OSQX-B-40L-40K7-4M-UL  
w/OSQ-BLSXF  
Initial Delivered Lumens: 32,030



OSQX-B-40L-40K7-4M-UL  
w/OSQ-BLSXF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 31,400  
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
40L	29,300	B2 U0 G4	31,400	B2 U0 G4	25,500	B2 U0 G4	31,400	B2 U0 G4
50L	37,800	B3 U0 G5	40,500	B3 U0 G5	32,900	B2 U0 G5	40,500	B3 U0 G5
65L	48,900	B3 U0 G5	52,300	B3 U0 G5	42,500	B3 U0 G5	52,300	B3 U0 G5
75L	56,700	B3 U0 G5	60,700	B3 U0 G5	49,300	B3 U0 G5	60,700	B3 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



**Job Name:**  
JG Murphy

**Catalog Number:**  
OSQX-B-40L-30K7-4M-UL-NM-BK  
OSQ-X-B-AA-BK OSQ-BLSXF  
Notes:

**Type:**

**A1**

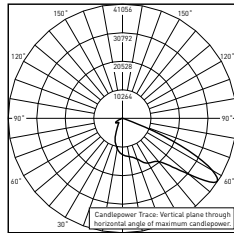
FLC23-5248

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

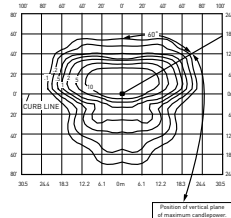
**Photometry**

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

**AF**



**RECTL Test Report #:** PL16480-001A  
OSQX-B-40L-40K7-AF-UL  
Initial Delivered Lumens: 45,176

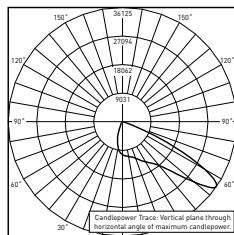


OSQX-B-40L-40K7-AF-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 44,400  
Initial FC at grade

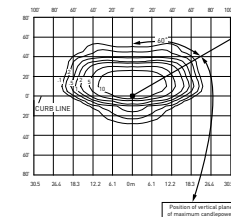
Automotive FrontLineOptic™ Distribution								
Lumen Package	3000K/70 CRI		4000K/70 CRI		5000K/90 CRI		5700K/70 CRI	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
40L	41,500	B4 U0 G3	44,400	B4 U0 G3	36,100	B3 U0 G3	44,400	B4 U0 G3
50L	53,600	B4 U0 G3	57,400	B4 U0 G3	46,600	B4 U0 G3	57,400	B4 U0 G3
65L	69,300	B4 U0 G4	74,100	B4 U0 G4	60,200	B4 U0 G3	74,100	B4 U0 G4
75L	80,400	B5 U0 G4	86,000	B5 U0 G4	69,800	B4 U0 G4	86,000	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

**AF W/BLS**



**RECTL Test Report #:** PL16486-001A  
OSQX-B-40L-40K7-AF-UL  
w/OSQ-BLSXF  
Initial Delivered Lumens: 34,912



OSQX-B-40L-40K7-AF-UL  
w/OSQ-BLSXF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 34,400  
Initial FC at grade

Automotive FrontLineOptic™ 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
40L	32,100	B3 U0 G2	34,400	B3 U0 G2	27,900	B3 U0 G2	34,400	B3 U0 G2
50L	41,500	B3 U0 G2	44,400	B3 U0 G2	36,000	B3 U0 G2	44,400	B3 U0 G2
65L	53,600	B4 U0 G3	57,300	B4 U0 G3	46,600	B3 U0 G3	57,300	B4 U0 G3
75L	62,200	B4 U0 G3	66,500	B4 U0 G3	54,000	B4 U0 G3	66,500	B4 U0 G3

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





**Job Name:**  
JG Murphy

**Catalog Number:**

OSQX-B-40L-30K7-4M-UL-NM-BK  
OSQ-X-B-AA-BK OSQ-BLSXF

Notes:

**Type:**

**A1**

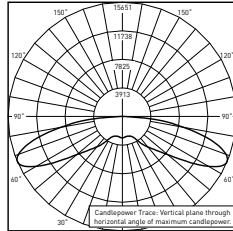
FLC23-5248

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

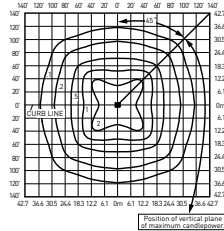
**Photometry**

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

**5M**



**RESTL Test Report #:** PL16593-001A  
OSQX-B-40L-40K7-5M-UL  
**Initial Delivered Lumens:** 38,284

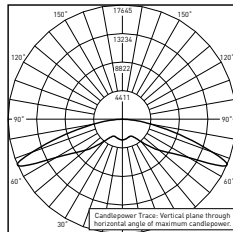


OSQX-B-40L-40K7-5M-UL  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 38,300  
Initial FC at grade

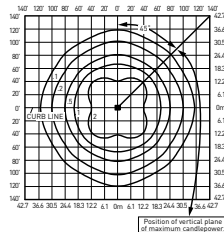
Type V Mid Distribution								
Lumen Package	3000K/70 CRI		4000K/70 CRI		5000K/90 CRI		5700K/70 CRI	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
40L	35,800	B5 U0 G5	38,300	B5 U0 G5	31,100	B5 U0 G5	38,300	B5 U0 G5
50L	45,100	B5 U0 G5	48,300	B5 U0 G5	39,200	B5 U0 G5	48,300	B5 U0 G5
65L	60,300	B5 U0 G5	64,500	B5 U0 G5	52,400	B5 U0 G5	64,500	B5 U0 G5
75L	70,800	B5 U0 G5	75,700	B5 U0 G5	61,500	B5 U0 G5	75,700	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 #:** PL16500-001A  
OSQX-B-40L-40K7-5N-UL  
**Initial Delivered Lumens:** 42,762



OSQX-B-40L-40K7-5N-UL  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 41,300  
Initial FC at grade

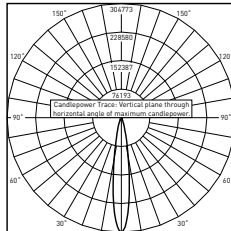
Type V Narrow Distribution								
Lumen Package	3000K/70 CRI		4000K/70 CRI		5000K/90 CRI		5700K/70 CRI	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
40L	38,600	B5 U0 G5	41,300	B5 U0 G5	33,600	B5 U0 G5	41,300	B5 U0 G5
50L	48,700	B5 U0 G5	52,100	B5 U0 G5	42,300	B5 U0 G5	52,100	B5 U0 G5
65L	65,100	B5 U0 G5	69,700	B5 U0 G5	56,600	B5 U0 G5	69,700	B5 U0 G5
75L	76,400	B5 U0 G5	81,800	B5 U0 G5	66,400	B5 U0 G5	81,800	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

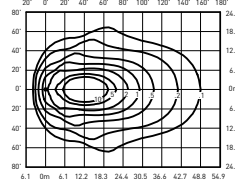


**OSQ™ LED Area/Flood Luminaire featuring Cree TrueWhite® Technology – Extra Large**
**Photometry**

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

**N3**

RESTL Test Report #: PL16501-001A  
 OSQX-B-40L-40K7-N3-UL  
 Initial Delivered Lumens: 43,397

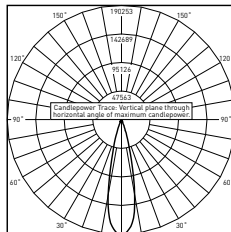


OSQX-B-40L-40K7-N3-UL  
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
 Initial Delivered Lumens: 41,300  
 Initial FC at grade

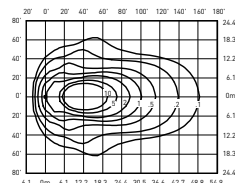
**Narrow Flood Distribution**

Lumen Package	3000K/70 CRI	4000K/70 CRI	5000K/90 CRI	5700K/70 CRI
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
40L	38,600	41,300	33,600	41,300
50L	48,700	52,100	42,300	52,100
65L	65,100	69,700	56,600	69,700
75L	76,400	81,800	66,400	81,800

\* 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 #: PL16502-001A  
 OSQX-B-40L-40K7-33-UL  
 Initial Delivered Lumens: 43,489



OSQX-B-40L-40K7-33-UL  
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
 Initial Delivered Lumens: 41,300  
 Initial FC at grade

**NEMA® 3x3 Distribution**

Lumen Package	3000K/70 CRI	4000K/70 CRI	5000K/90 CRI	5700K/70 CRI
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
40L	38,600	41,300	33,600	41,300
50L	48,700	52,100	42,300	52,100
65L	65,100	69,700	56,600	69,700
75L	76,400	81,800	66,400	81,800

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



**Job Name:**  
JG Murphy

**Catalog Number:**  
OSQX-B-40L-30K7-4M-UL-NM-BK  
OSQ-X-B-AA-BK OSQ-BLSXF  
Notes:

**Type:**

**A1**

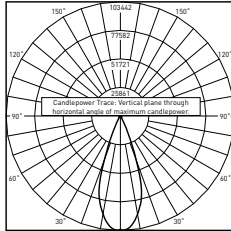
FLC23-5248

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

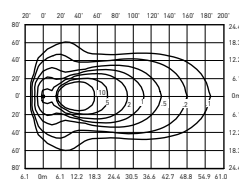
**Photometry**

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

44



RESTL Test Report #: PL16503-001A  
OSQX-B-40L-40K7-44-UL  
Initial Delivered Lumens: 42,939

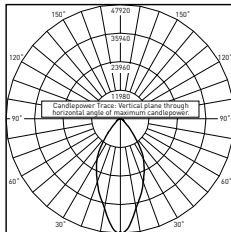


OSQX-B-40L-40K7-44-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 41,300  
Initial FC at grade

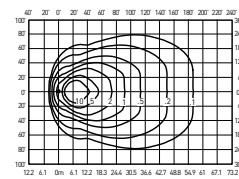
NEMA® 4x4 Distribution				
Lumen Package	3000K/70 CRI	4000K/70 CRI	5000K/90 CRI	5700K/70 CRI
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
40L	38,600	41,300	33,600	41,300
50L	48,700	52,100	42,300	52,100
65L	65,100	69,700	56,600	69,700
75L	76,400	81,800	66,400	81,800

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

55



RESTL Test Report #: PL16504-001A  
OSQX-B-40L-40K7-55-UL  
Initial Delivered Lumens: 41,734



OSQX-B-40L-40K7-55-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 41,300  
Initial FC at grade

NEMA® 5x5 Distribution				
Lumen Package	3000K/70 CRI	4000K/70 CRI	5000K/90 CRI	5700K/70 CRI
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
40L	38,600	41,300	33,600	41,300
50L	48,700	52,100	42,300	52,100
65L	65,100	69,700	56,600	69,700
75L	76,400	81,800	66,400	81,800

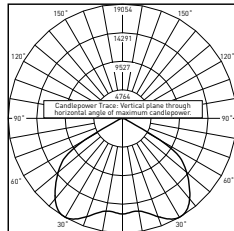
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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

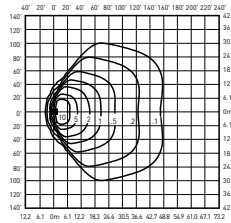
**Photometry**

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

66



RESTL Test Report #: PL16506-001A  
OSQX-B-40L-40K7-66-UL  
Initial Delivered Lumens: 43,073

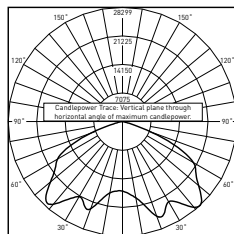


OSQX-B-40L-40K7-66-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° Tilt  
Initial Delivered Lumens: 41,300  
Initial FC at grade

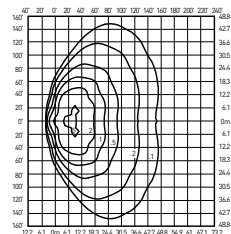
NEMA® 6x6 Distribution				
Lumen Package	3000K/70 CRI	4000K/70 CRI	5000K/90 CRI	5700K/70 CRI
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
40L	38,600	41,300	33,600	41,300
50L	48,700	52,100	42,300	52,100
65L	65,100	69,700	56,600	69,700
75L	76,400	81,800	66,400	81,800

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

75



RESTL Test Report #: PL16505-001A  
OSQX-B-40L-40K7-75-UL  
Initial Delivered Lumens: 42,760











OSQX-B-40L-40K7-75-UL  
Mounting Height: 25' [7.6m] A.F.G., 60° tilt  
Initial Delivered Lumens: 41,300  
Initial FC at grade

NEMA® 7x5 Distribution				
Lumen Package	3000K/70 CRI	4000K/70 CRI	5000K/90 CRI	5700K/70 CRI
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
40L	38,600	41,300	33,600	41,300
50L	48,700	52,100	42,300	52,100
65L	65,100	69,700	56,600	69,700
75L	76,400	81,800	66,400	81,800

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

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

**Luminaire EPA**

Adjustable Arm Mount – OSQ-X-B-AA Weight: 40L/50L, 120-480V: 73.0 lbs. (33.1kg); 65L/75L, 120-480V: 75.0 lbs. (34.0kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
<b>Tenon Configuration</b> (0°–90° Tilt); If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PW-1A3**	PB-2A*; PB-2R2.375; PW-2A3**	PB-2A*; PB-2R2.375; PW-2A3**	PB-3A*; PB-3R2.375	PB-3A*; PB-3R2.375	PB-3A*; PB-3R2.375	PB-4A*[180]; PB-4R2.375	PB-4A*[90]; PB-4R2.3(90)
<b>0° Tilt</b>							
1.16	2.03	2.03	2.90	2.63	2.90	3.77	3.77
<b>10° Tilt</b>							
1.67	3.06	3.06	4.45	4.27	4.45	5.83	5.83
<b>20° Tilt</b>							
2.35	4.41	4.41	6.48	6.34	6.48	8.54	8.54
<b>30° Tilt</b>							
2.99	5.70	5.70	8.41	8.29	8.41	11.12	11.12
<b>45° Tilt</b>							
3.85	7.41	7.41	10.98	10.89	10.98	14.54	14.54
<b>60° Tilt</b>							
4.51	8.73	8.73	12.95	12.91	12.95	17.18	17.18
<b>70° Tilt</b>							
4.83	9.37	9.37	13.91	13.88	13.91	18.45	18.45
<b>80° Tilt</b>							
5.02	9.76	9.76	14.50	14.44	14.50	19.24	19.24
<b>90° Tilt</b>							
5.02	9.76	9.76	14.50	14.44	14.50	19.24	19.24

\* 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
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<sup>†</sup> (must specify color)**

<b>Square Internal Mount Vertical Tenons (Steel)</b> - Mounts to 3-6" (76-152mm) square aluminum or steel poles	<b>Round External Mount Vertical Tenons (Steel)</b> - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons
PB-1A* – Single PB-2A* – 180° Twin PB-3A* – 180° Triple	PB-4A*[90] – 90° Quad PB-4A*[180] – 180° Quad
<b>Wall Mount Brackets</b> - Mounts to wall or roof WM-2 – Horizontal for OSQ-X-B-AA mount WM-4 – L-Shape for OSQ-X-B-AA mount WM-DM – Plate for OSQ-X-B-DA mount	<b>Mid-Pole Bracket</b> - Mounts to square pole PW-1A3** – Single PW-2A3** – Double

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

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

**Luminaire EPA**

<b>Fixed Arm Mount – OSQ-X-B-DA</b> Weight: 40L/50L, 120-480V: 70.0 lbs. (31.8kg); 65L/75L, 120-480V: 72.0 lbs. (32.7kg)					
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
1.06	1.93	1.93	2.80	2.53	3.67

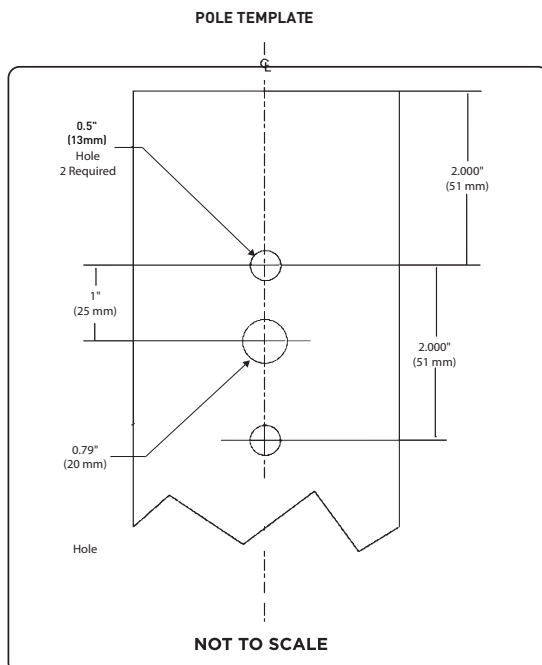
**Direct Mount Configurations**

<b>Compatibility with OSQ-X-B-DA Direct Arm Mount</b>					
Input Delivered Lumens	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
<b>3" Square</b>					
40L/50L/65L	N/A	✓	N/A	N/A	N/A
<b>3" Round</b>					
40L/50L/65L	N/A	✓	N/A	✓	N/A
<b>4" Square</b>					
40L/50L/65L	✓	✓	✓	N/A	✓
<b>4" Round*</b>					
40L/50L/65L	✓	✓	✓	✓	✓
<b>5" Square</b>					
40L/50L/65L	✓	✓	✓	N/A	✓
<b>5" Round</b>					
40L/50L/65L	✓	✓	✓	✓	✓
<b>6" + Square</b>					
40L/50L/65L	✓	✓	✓	N/A	✓
<b>6" + Round</b>					
40L/50L/65L	✓	✓	✓	✓	✓

\* Note: only 0.10" clearance between mounts on 4 @ 90°

**Fixture Mounting Drill Pattern for OSQ-X-B-DA**

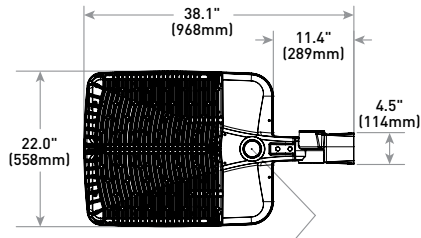
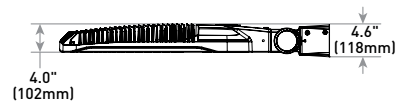
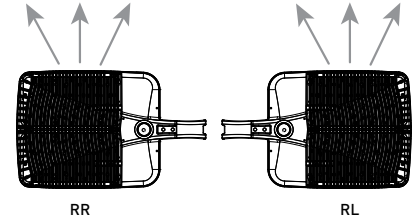
Note: When using with Cree Lighting poles, order the Q Fixture Mounting Drill Pattern.



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

**OSQ-X-B-AA  
 Mount**


Lumen Package	Voltage	Weight
40/50L	120-480V	73.0 lbs. [33.1kg]
65L/75L	120-480V	75.0 lbs. [34.0kg]


 NEMA® Lift & Lock 7-Pin Photocell Receptacle  
 location (ordered as an option)

**RR/RL Configuration**


RR

RL

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

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

The Field Adjustable Output option enables the OSQ Extra Large 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 & X Option Power & Lumen Data – 40L**

Q/X Option Setting	CCT	System Watts		Lumen Values			
		120-480V	Asymmetric	5M	5N & Floods	2M/AF w/BLS	3M/4M w/BLS
Q9 (Full Power)	30K	301	41,500	35,800	38,600	32,100	29,300
	40K		44,400	38,300	41,300	34,400	31,400
	50K		36,100	31,100	33,600	27,900	25,500
	57K		44,400	38,300	41,300	34,400	31,400
Q8/X8	30K	281	38,800	33,400	36,100	30,000	27,400
	40K		41,500	35,700	38,600	32,100	29,300
	50K		33,700	29,000	31,300	26,100	23,800
	57K		41,500	35,700	38,600	32,100	29,300
Q7/X7	30K	277	37,000	31,900	34,500	28,700	26,100
	40K		39,600	34,100	36,900	30,600	28,000
	50K		32,200	27,700	29,900	24,900	22,700
	57K		39,600	34,100	36,900	30,600	28,000
Q6/X6	30K	253	35,500	30,600	33,000	27,500	25,100
	40K		38,000	32,700	35,300	29,400	26,800
	50K		30,800	26,600	28,700	23,900	21,800
	57K		38,000	32,700	35,300	29,400	26,800
Q5/X5	30K	229	32,500	28,000	30,300	25,200	23,000
	40K		34,800	30,000	32,400	26,900	24,600
	50K		28,300	24,400	26,300	21,900	20,000
	57K		34,800	30,000	32,400	26,900	24,600
Q4/X4	30K	207	30,200	26,000	28,100	23,400	21,300
	40K		32,300	27,800	30,100	25,000	22,800
	50K		26,200	22,600	24,400	20,300	18,500
	57K		32,300	27,800	30,100	25,000	22,800
Q3/X3	30K	182	27,200	23,400	25,300	21,000	19,200
	40K		29,100	25,100	27,100	22,500	20,500
	50K		23,600	20,400	22,000	18,300	16,700
	57K		29,100	25,100	27,100	22,500	20,500
Q2/X2	30K	163	24,500	21,100	22,800	18,900	17,300
	40K		26,200	22,600	24,400	20,300	18,500
	50K		21,300	18,300	19,800	16,500	15,000
	57K		26,200	22,600	24,400	20,300	18,500
Q1/X1	30K	149	22,700	19,500	21,100	17,500	16,000
	40K		24,300	20,900	22,600	18,800	17,100
	50K		19,700	17,000	18,300	15,200	13,900
	57K		24,300	20,900	22,600	18,800	17,100

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

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

The Field Adjustable Output option enables the OSQ Extra Large 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 & X Option Power & Lumen Data – 50L**

Q/X Option Setting	CCT	System Watts	Lumen Values				
		120-480V	Asymmetric	5M	5N & Floods	2M/AF w/BLS	3M/4M w/BLS
Q9 (Full Power)	30K	383	53,600	45,100	48,700	41,500	37,800
	40K		57,400	48,300	52,100	44,400	40,500
	50K		46,600	39,200	42,300	36,000	32,900
	57K		57,400	48,300	52,100	44,400	40,500
Q8/X8	30K	357	50,100	42,100	45,500	38,700	35,300
	40K		53,500	45,100	48,700	41,400	37,800
	50K		43,500	36,600	39,500	33,600	30,700
	57K		53,500	45,100	48,700	41,400	37,800
Q7/X7	30K	352	47,800	40,200	43,500	37,000	33,800
	40K		51,200	43,100	46,500	39,600	36,100
	50K		41,600	35,000	37,800	32,100	29,300
	57K		51,200	43,100	46,500	39,600	36,100
Q6/X6	30K	322	45,800	38,600	41,600	35,500	32,300
	40K		49,000	41,300	44,500	37,900	34,600
	50K		39,800	33,500	36,200	30,800	28,100
	57K		49,000	41,300	44,500	37,900	34,600
Q5/X5	30K	291	42,000	35,400	38,200	32,500	29,700
	40K		44,900	37,800	40,800	34,800	31,700
	50K		36,500	30,700	33,200	28,200	25,800
	57K		44,900	37,800	40,800	34,800	31,700
Q4/X4	30K	263	39,000	32,800	35,400	30,200	27,500
	40K		41,700	35,100	37,900	32,300	29,400
	50K		33,900	28,500	30,800	26,200	23,900
	57K		41,700	35,100	37,900	32,300	29,400
Q3/X3	30K	231	35,100	29,500	31,900	27,200	24,800
	40K		37,600	31,600	34,100	29,000	26,500
	50K		30,500	25,700	27,700	23,600	21,500
	57K		37,600	31,600	34,100	29,000	26,500
Q2/X2	30K	208	31,600	26,600	28,700	24,500	22,300
	40K		33,800	28,500	30,700	26,200	23,900
	50K		27,500	23,100	25,000	21,300	19,400
	57K		33,800	28,500	30,700	26,200	23,900
Q1/X1	30K	190	29,300	24,600	26,600	22,600	20,700
	40K		31,300	26,300	28,500	24,200	22,100
	50K		25,400	21,400	23,100	19,700	18,000
	57K		31,300	26,300	28,500	24,200	22,100



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

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

The Field Adjustable Output option enables the OSQ Extra Large 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 & X Option Power & Lumen Data – 65L**

Q/X Option Setting	CCT	System Watts						Lumen Values					
		120-480V		Asymmetric	5M	5N & Floods	2M/AF w/BLS	3M/4M w/BLS					
Q9 (Full Power)	30K	458	69,300	60,300	65,100	53,600	48,900						
	40K		74,100	64,500	69,700	57,300	52,300						
	50K		60,200	52,400	56,600	46,600	42,500						
	57K		74,100	64,500	69,700	57,300	52,300						
Q8/X8	30K	441	66,500	57,100	61,700	51,500	47,000						
	40K		71,200	61,100	66,000	55,100	50,200						
	50K		57,800	49,600	53,600	44,700	40,800						
	57K		71,200	61,100	66,000	55,100	50,200						
Q7/X7	30K	419	63,700	54,600	59,000	49,200	44,900						
	40K		68,100	58,500	63,100	52,700	48,100						
	50K		55,300	47,500	51,300	42,800	39,000						
	57K		68,100	58,500	63,100	52,700	48,100						
Q6/X6	30K	403	61,300	52,600	56,800	47,400	43,300						
	40K		65,600	56,300	60,800	50,700	46,300						
	50K		53,300	45,700	49,400	41,200	37,600						
	57K		65,600	56,300	60,800	50,700	46,300						
Q5/X5	30K	366	56,300	48,400	52,200	43,600	39,800						
	40K		60,300	51,700	55,900	46,600	42,500						
	50K		49,000	42,000	45,400	37,900	34,600						
	57K		60,300	51,700	55,900	46,600	42,500						
Q4/X4	30K	331	52,200	44,800	48,400	40,400	36,900						
	40K		55,900	48,000	51,800	43,200	39,400						
	50K		45,400	39,000	42,100	35,100	32,000						
	57K		55,900	48,000	51,800	43,200	39,400						
Q3/X3	30K	299	47,600	40,800	44,100	36,800	33,600						
	40K		50,900	43,700	47,200	39,400	35,900						
	50K		41,400	35,500	38,300	32,000	29,200						
	57K		50,900	43,700	47,200	39,400	35,900						
Q2/X2	30K	269	42,900	36,800	39,700	33,200	30,300						
	40K		45,800	39,300	42,500	35,500	32,400						
	50K		37,200	32,000	34,500	28,800	26,300						
	57K		45,800	39,300	42,500	35,500	32,400						
Q1/X1	30K	232	38,900	33,400	36,000	30,100	27,400						
	40K		41,600	35,700	38,500	32,200	29,300						
	50K		33,800	29,000	31,300	26,100	23,800						
	57K		41,600	35,700	38,500	32,200	29,300						


**Job Name:**  
JG Murphy
**Catalog Number:**
 OSQX-B-40L-30K7-4M-UL-NM-BK  
 OSQ-X-B-AA-BK OSQ-BLSXF  
 Notes:
**Type:****A1**

FLC23-5248

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

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

The Field Adjustable Output option enables the OSQ Extra Large 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 & X Option Power & Lumen Data – 75L**

Q/X Option Setting	CCT	System Watts	Lumen Values				
		120-480V	Asymmetric	5M	5N & Floods	2M/AF w/BLS	3M/4M w/BLS
Q9 (Full Power)	30K	553	80,400	70,800	76,400	62,200	56,700
	40K		86,000	75,700	81,800	66,500	60,700
	50K		69,800	61,500	66,400	54,000	49,300
	57K		86,000	75,700	81,800	66,500	60,700
Q8/X8	30K	524	75,000	66,100	71,400	58,000	52,900
	40K		80,200	70,700	76,300	62,100	56,600
	50K		65,200	57,400	62,000	50,400	46,000
	57K		80,200	70,700	76,300	62,100	56,600
Q7/X7	30K	495	71,700	63,100	68,200	55,400	50,600
	40K		76,700	67,500	72,900	59,300	54,100
	50K		62,300	54,900	59,200	48,200	43,900
	57K		76,700	67,500	72,900	59,300	54,100
Q6/X6	30K	468	68,700	60,500	65,300	53,100	48,500
	40K		73,500	64,700	69,900	56,800	51,800
	50K		59,700	52,600	56,800	46,200	42,100
	57K		73,500	64,700	69,900	56,800	51,800
Q5/X5	30K	425	63,000	55,500	59,900	48,700	44,400
	40K		67,300	59,300	64,100	52,100	47,500
	50K		54,700	48,200	52,000	42,300	38,600
	57K		67,300	59,300	64,100	52,100	47,500
Q4/X4	30K	383	58,400	51,500	55,600	45,200	41,200
	40K		62,500	55,000	59,400	48,300	44,100
	50K		50,800	44,700	48,300	39,300	35,800
	57K		62,500	55,000	59,400	48,300	44,100
Q3/X3	30K	345	52,600	46,300	50,000	40,700	37,100
	40K		56,300	49,600	53,500	43,500	39,700
	50K		45,700	40,300	43,500	35,400	32,300
	57K		56,300	49,600	53,500	43,500	39,700
Q2/X2	30K	304	47,400	41,800	45,100	36,700	33,500
	40K		50,700	44,700	48,200	39,200	35,800
	50K		41,200	36,300	39,200	31,900	29,100
	57K		50,700	44,700	48,200	39,200	35,800
Q1/X1	30K	268	43,900	38,600	41,700	33,900	31,000
	40K		46,900	41,300	44,600	36,300	33,100
	50K		38,100	33,600	36,300	29,500	26,900
	57K		46,900	41,300	44,600	36,300	33,100

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