Order Plans @ WWW.LDILine.com

OSQ Series

Type: L31/L32/L33/L34

OSQ™ LED Area/Flood Luminaire – Medium

Product Description

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

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

Performance Summary

NanoOptic® Precision Delivery Grid™ optic

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

Initial Delivered Lumens: Up to 17,191

Efficacy: Up to 136 LPW

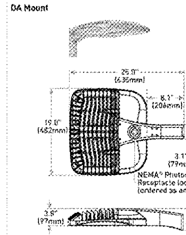
CRI: Minimum 70 CRI (4000K & 5700K); 3000K asymmetric optics), 80 CRI (3000K symmetric optics)

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

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

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

DA Mount



Weight
26.5 lbs. (12kg)

Accessories

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

Ordering Information

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

Mount (Luminaire must be ordered separately)*	
OSQ- DA	CS
OSQ-AA Adjustable Arm **OSQ-DA** Direct Arm	Color Options: CS Silver

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

Luminaire (Mount must be ordered separately)								
OSQ	A	NM	4ME	B	57K	UL	CS	
Product	Version	Mounting	Optic	Input Power Designator	CCT	Voltage	Color Options	Options
OSQ	A	NM No Mount	**Asymmetric** 2ME* Type II Medium 3ME* Type III Medium 4ME* Type IV Medium **Symmetric** 5ME Type V Medium 5SH Type V Short WSN Wide Sign 15D 15° Flood 25D 25° Flood 40D 40° Flood 60D 60° Flood	B 86W K 130W	30K 3000K 40K 4000K 57K 5700K	UL Universal 120-277V UH Universal 347-480V	CS Silver	DIM 0-10V Dimming – Control by others – Refer to Dimming spec sheet for details – Can't exceed wattage of specified input power designator F Fuse – When code dictates fusing, use time delay fuse – Available for U.S. applications only ML Multi-Level – Refer to ML spec sheet for details – Available with UL voltage only – Intended for downlight applications at 0° tilt PML Programmable Multi-Level, 20-40' Mounting Height – Refer to PML spec sheet for details – Available with UL voltage only – Intended for downlight applications at 0° tilt PML2 Programmable Multi-Level, 10-30' Mounting Height – Refer to PML spec sheet for details – Available with UL voltage only – Intended for downlight applications at 0° tilt Q9 Field Adjustable Output – Refer to Field Adjustable Output spec sheet for details R NEMA® Photocell Receptacle – Intended for downlight applications with maximum 45° tilt – 3-pin receptacle per ANSI C136.10 – Photocell and shorting cap by others RL Rotate Left – LED and optic are rotated to the left RR Rotate Right – LED and optic are rotated to the right

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

Rev. Date: V1 2017/06/2017

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OSQ™ LED Area/Flood Luminaire – Medium

Product Specifications

CONSTRUCTION & MATERIALS

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

ELECTRICAL SYSTEM

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

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- DLC and DLC Premium qualified versions available. Some exceptions apply. Please refer to https://www.designlights.org/search/ for most current information
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT. Please refer to http://darksky.org/fsa/fsa-products/ for most current information

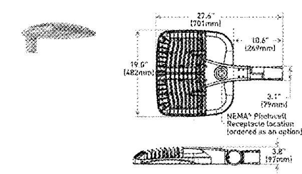
Electrical Data*							
Input Power Designator	System Watts 120-480V	Total Current (A)					
		120V	208V	240V	277V	347V	480V
B	86	0.72	0.42	0.37	0.32	0.26	0.19
K	130	1.09	0.65	0.56	0.49	0.38	0.28

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

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

[1] Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing
[2] In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip
[3] In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED chip

AA Mount



Weight
26.5 lbs. (12kg)

CREE

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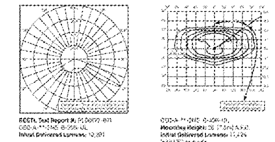
OSQ™ LED Area/Flood Luminaire – Medium

Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: http://lighting.cree.com/products/outdoor/area/osq-series

2ME

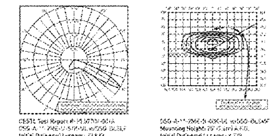


RESTL Test Report #: PL06872-001
OSQ-A-**-2ME-B-30K-UL
Initial Delivered Lumens: 12,821

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

Type II Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,736	B2 U0 G2	11,424	B2 U0 G2	11,448	B2 U0 G2
K	14,022	B3 U0 G3	14,959	B3 U0 G3	15,391	B3 U0 G3

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



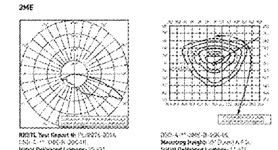
CESTL Test Report #: PL07701-001A
OSQ-A-**-2ME-U-57K-UL w/OSQ-BLSMF
Initial Delivered Lumens: 12,842

OSQ-A-**-2ME-B-40K-UL w/OSQ-BLSMF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 8,779
Initial FC at grade

Type II Medium w/BLS Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	8,251	B2 U0 G2	8,779	B2 U0 G2	8,930	B2 U0 G2
K	12,312	B2 U0 G2	13,002	B2 U0 G2	13,284	B2 U0 G2

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

3ME



RESTL Test Report #: PL07276-001A
OSQ-A-**-3ME-B-30K-UL
Initial Delivered Lumens: 10,421

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

Type III Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,736	B3 U0 G3	11,424	B3 U0 G3	11,448	B3 U0 G3
K	14,022	B3 U0 G3	14,959	B3 U0 G3	15,391	B3 U0 G3

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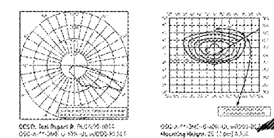

CESTL Test Report #: PL07695-001A
OSQ-A-**-3ME-U-57K-UL w/OSQ-BLSMF
Initial Delivered Lumens: 25,610

OSQ-A-**-3ME-B-40K-UL w/OSQ-BLSMF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 8,912
Initial FC at grade

Type III Medium w/BLS Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	8,4[illegible]	B1 U0 G2	8,912	B1 U0 G2	[illegible]	B1 U0 G2
K	12,[illegible]	B2 U0 G2	13,329	B2 U0 G2	[illegible]	B2 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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OSQ™ LED Area/Flood Luminaire – Medium

Photometry

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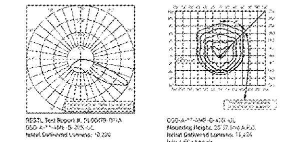
4ME

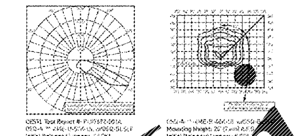


CESTL Test Report #: PL06878-001A
OSQ-A-**-4ME-S-30K-UL
Initial Delivered Lumens: 10,200

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

Type IV Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	10,720	B1 U0 G2	11,424	B2 U0 G2	11,448	B2 U0 G2
K	14,022	B3 U0 G3	14,959	B3 U0 G3	15,391	B3 U0 G3

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



CESTL Test Report #: PL07552-001A
OSQ-A-**-4ME-U-57K-UL w/OSQ-BLSMF
Initial Delivered Lumens: 12,092

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

Type IV Medium w/BLS Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	8,251	B1 U0 G2	[illegible]	[illegible]	8,930	B1 U0 G2
K	12,312	B1 U0 G2	13,002	B2 U0 G2	13,284	B2 U0 G2

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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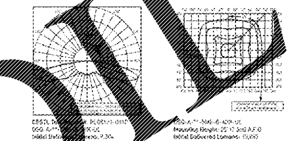
5ME



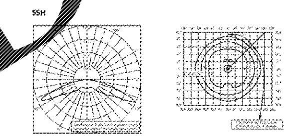
CESTL Test Report #: PL08107-001C
OSQ-A-**-5ME-S-30K-UL
Initial Delivered Lumens: 9,304

OSQ-A-**-5ME-B-40K-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 10,657
Initial FC at grade

Type V Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	9,387	B3 U0 G3	10,657	B4 U0 G4	11,055	B4 U0 G4
K	13,919	B4 U0 G4	15,999	B4 U0 G5	16,277	B4 U0 G5

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

5SH



CESTL Test Report #: PL07556-001A
OSQ-A-**-5SH-U-40K-UL
Initial Delivered Lumens: 25,479

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

Type V Short Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	9,914	B4 U0 G2	11,478	B4 U0 G2	11,678	B4 U0 G2
K	14,595	B4 U0 G3	16,897	B4 U0 G3	17,191	B4 U0 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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OSQ™ LED Area/Flood Luminaire – Medium

Photometry

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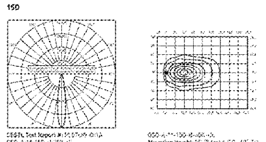
15D



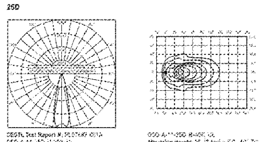
CESTL Test Report #: PL07489-001A
OSQ-A-**-15D-U-30K-UL
Initial Delivered Lumens: 23,234

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

15° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	9,914	11,478	11,678
K	14,595	16,897	17,191

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

25D



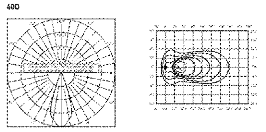
CESTL Test Report #: PL07687-001A
OSQ-A-**-25D-U-30K-UL
Initial Delivered Lumens: 23,265

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

25° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	9,914	11,478	11,678
K	14,595	16,897	17,191

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

40D



CESTL Test Report #: PL07827-001A
OSQ-A-**-40D-U-30K-UL
Initial Delivered Lumens: 22,943

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

40° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	9,914	11,478	[illegible]
K	14,595	16,897	17,1[illegible]

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

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OSQ™ LED Area/Flood Luminaire – Medium

Photometry

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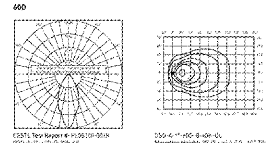
60D



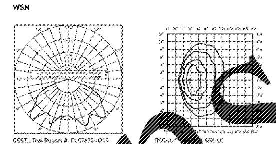
CESTL Test Report #: PL08100-001B
OSQ-A-**-60D-G-30K-UL
Initial Delivered Lumens: 12,877

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

60° Flood Distribution			
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	9,914	11,478	11,678
K	14,[illegible]	16,897	17,191

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

WSN



CESTL Test Report #: PL07695-001A
OSQ-A-**-WSN-U-30K-UL
Initial Delivered Lumens: 25,416

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

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

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

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OSQ™ LED Area/Flood Luminaire – Medium

Luminaire EPA

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

Adjustable Arm Mount – OSQ-AA Weight: 26.5 lbs. (12kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Tenon Configuration (0° - 80° Tilt) If used with Cree tenons, please add tenon EPA with luminaire EPA							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*; PD-2A4(90); PT-2(90)	PB-3A*; PD-3A4(90); PT-3(90)	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)
0° Tilt							
0.74	1.48	1.19	1.92	1.63	3.05	4.66	2.38
10° Tilt							
0.75	1.48	1.47	2.23	2.15	4.22	5.94	2.55
20° Tilt							
1.12	1.49	1.96	2.60	2.85	5.51	7.32	3.72
30° Tilt							
1.45	1.48	2.20	2.94	3.56	6.26	8.69	4.45
45° Tilt							
1.76	1.96	2.58	3.42	4.54	7.83	10.48	5.38
60° Tilt							
2.33	2.33	3.30	3.81	5.11	8.94	12.16	6.16
70° Tilt							
2.49	2.49	3.23	3.92	5.11	9.43	12.80	6.36
80° Tilt							
2.50	2.58	3.32	4.06	5.11	9.51	13.16	6.66
Tenon Configuration (90° Tilt) If used with Cree tenons, please add tenon EPA with luminaire EPA							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*	PB-2A*	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375
90° Tilt							
2.67	2.61	4.44	2.65	5.11	9.09	13.28	10.39

* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double and 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")

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OSQ™ LED Area/Flood Luminaire – Medium

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.32
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 and triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation
** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

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

† Refer to the Bracket and Tenon spec sheet for more details

Direct Mount Configurations

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

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3

C-13.1 PHOTOMETRIC DETAILS
FOR REFERENCE ONLY

"DLC V4 is in effect as of April 1, 2017, which impacts the rebate eligibility of many LED products. If you require DLC-qualified fixtures, please reference https://www.designlights.org/search/ for updated qualified product listings. Email rebates@cree.com<mailto:rebates@cree.com> for assistance."

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Project Name: ALDI - CHARLOTTE, NC | SR-24574
Date:1/8/2018 | Scale: 1"=30' | Footcandles calculated at grade
Filename: V:\Common\AppEng\NAT\ALD-170705CHNCCJB.AGI | Layout by: CHRIS BOSANEC

Illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.