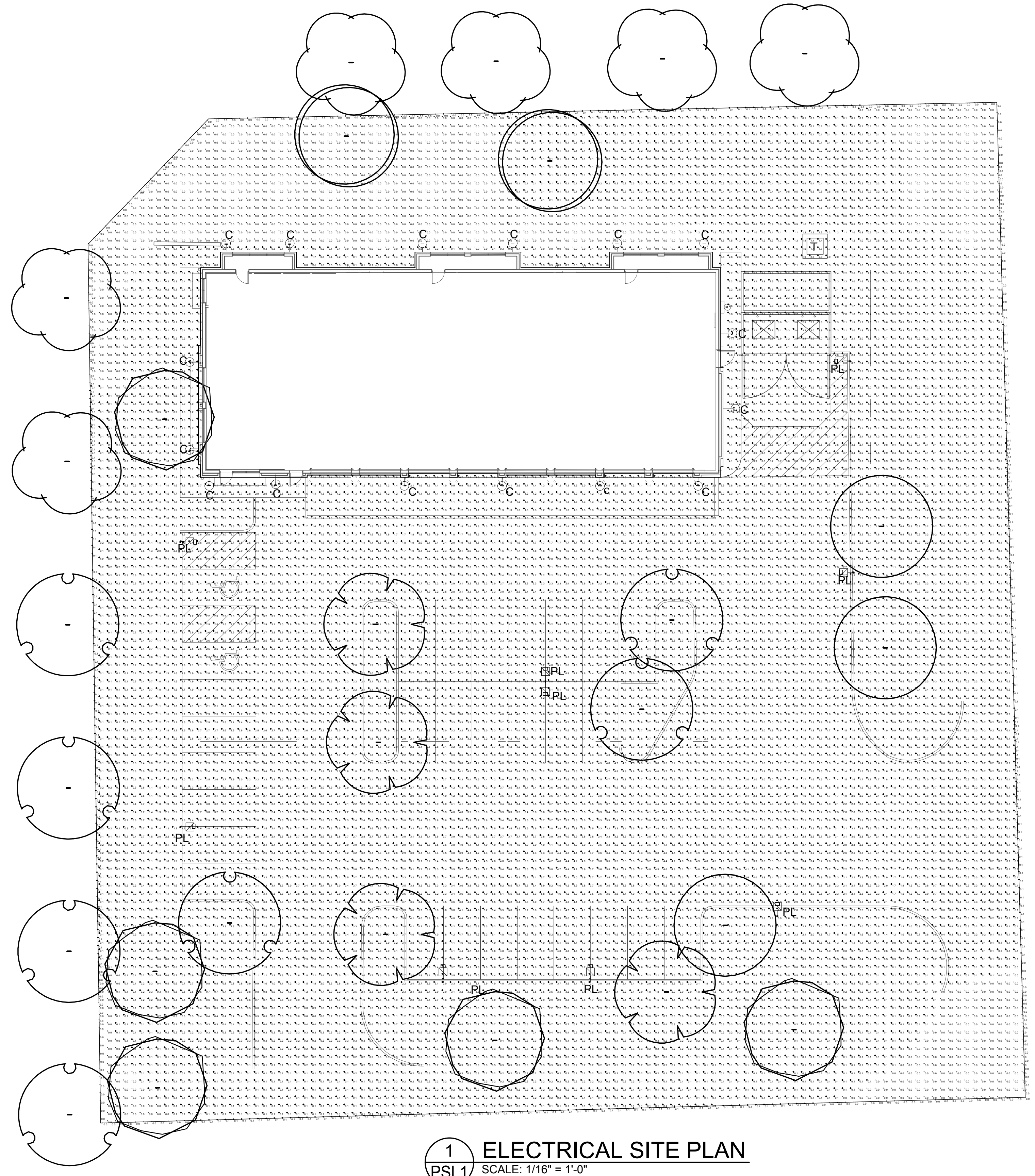
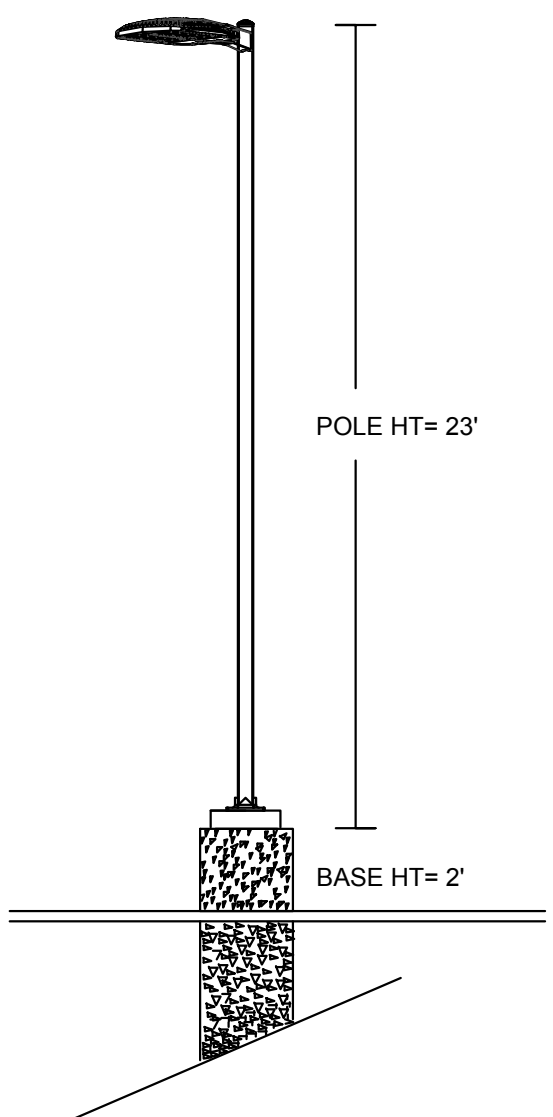


Dec 11, 2019 9:33am - USER michaeljanocaro S:\Bridgestone-Firestone (Engineering)\1920422 BSR0 - Naperville, IL\Sheets\PSL1 Photometric Site Lighting.dwg



OSQ Area Luminaire



SITE LIGHTING TO BE MAXIMUM 25 FEET ABOVE GROUND. SITE LIGHTING POLE TO BE CUT TO 23 FEET LONG.

THE EXTERIOR LIGHTING DEPICTED ON THIS PLAN COMPLIES WITH THE REQUIREMENTS OF 6-14-4.3 (PERFORMANCE STANDARDS EXTERIOR LIGHTING), PER SECTION 6-14-4.3.7. ONCE THE PLAN IS APPROVED, THE EXTERIOR LIGHTING OF THE PROPERTY SHALL CONFORM TO THE APPROVED PLAN.

PROPERTY OWNER
 PLAN PREPARER *Michael Janocaro*

FOOTCANDLES ARE MEASURED 3.5' ABOVE GRADE. CALCULATIONS ARE BASED ON THE BUILDING MOUNTED LIGHT FIXTURES MOUNTED AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND THE PARKING LOT LIGHTING AS SHOWN IN THE DETAIL THIS SHEET.

CALCULATION CHART

SITE LIGHTING LEVELS:	PARKING AREA LIGHTING LEVELS:	PROPERTY LINE LIGHTING LEVELS:
AVERAGE ILLUMINATION - 1.4 FOOTCANDLES	AVERAGE ILLUMINATION - 2.9 FOOTCANDLES	AVERAGE ILLUMINATION - 0.1 FOOTCANDLES
MAXIMUM - 17.3 FOOTCANDLES	MAXIMUM - 7.2 FOOTCANDLES	MAXIMUM - 0.1 FOOTCANDLES
MINIMUM - 0.0 FOOTCANDLES	MINIMUM - 0.8 FOOTCANDLES	MINIMUM - 0.0 FOOTCANDLES
MAX/MIN - N/A	MAX/MIN - 9.0 TO 1	MAX/MIN - N/A
AVERAGE/MIN - N/A	AVERAGE/MIN - 3.6 TO 1	AVERAGE/MIN - N/A

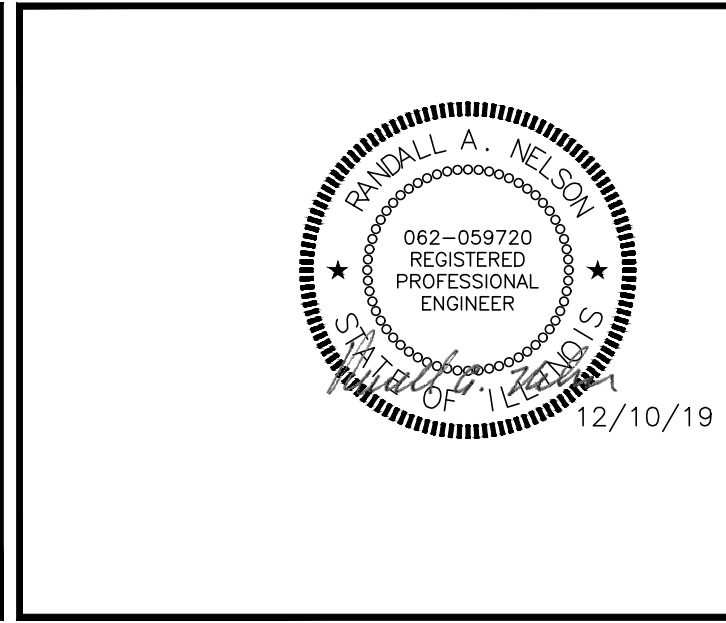
LUMINAIRE SCHEDULE

Symbol	Qty	Label	Total Lamp Lumens	LLF	Description	Lum. Watts
	10	PL	N.A.	0.80	OSQ-A-NM-4ME-B-57K-UL-BK + OSQ-DABK + OSQ-BLSMF	86W
	16	C	N.A.	0.80	CL-H-18110-91-HL-D-91-13-LED2-30-D-DBCM-M	13W

1 ELECTRICAL SITE PLAN
 SCALE: 1/16" = 1'-0"

CONSTRUCTION DOCUMENTS WILL BE BASED ON THE LATEST RELEASE OF THE PROTOTYPICAL DOCUMENTS ON LUCERNEX AT THE TIME OF CONSTRUCTION DOCUMENT AUTHORIZATION.

NOTE: THIS DRAWING IS FOR CONCEPTUAL PURPOSES ONLY. SITE INFORMATION WAS OBTAINED FROM THE CLIENTS DOCUMENTS; DESIGN MAY VARY.



PROJECT CONTACTS: _____ PHONE #: (918) 587-8600

ARCHITECT: OLIVIA GOOD

SGA DESIGN GROUP, P.C.

ACERTUS CONSULTING GROUP, LLC
 14817 West 95th Street • Lenexa, Kansas 66215
 P 913.322.5155 • F 913.322.5155
 www.AcertusGroup.com

PROTOTYPE: SMALL ER

ZONE APPROVAL (BY/DATE):

VP. _____

CONT. _____

RM. _____

CM. _____

ENTITY ID: XXXXXXXX
 SITE ID: XXXXXXXX
 LEGACY ID: XXXXXXXX

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HWY 59 & LEVERENZE RD.
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SGA Design Group, p.c.

1437 South Boulder, Suite 550
 Tulsa, Oklahoma 74119.3609
 p: 918.587.8600
 f: 918.587.8601
 www.sgadesigngroup.com

SHEET TITLE: PHOTOMETRIC SITE LIGHTING

SHEET NUMBER: **PSL1**

10" Angle Shade Luminaire LED Decorative Wall Series

FIXTURE C

CATALOG #	ILLUMINATION	COLOR TEMPERATURE
CL-H-8110-9I-HL-D-9I-13-LED2-30-D-BCM-M	13 watt dome lens LED module	3000K
VOLTAGE	FINISH COLOR	FEATURES
120/277V	Polyester, polished black powder coat	<ul style="list-style-type: none"> Heavy duty, spun aluminum reflector 6.75" canopy duplicating finish color Lumens: 1250 96° beam angle Ballast canopy mount
COMPLIANCE	WARRANTY	
cULus Listed, suitable for wet, damp, and dry locations	One-year limited warranty. Certain exceptions apply. For details, visit www.cree.com/lighting/LED	

CREE INTEGRATED LIGHTING SOLUTIONS
 Cree, Inc. 9201 Washington Ave | Racine, WI 53406 | Phone: 800-288-8650 | Fax: (800) 236-7500 | nationalaccounts@cree.com | www.cree.com/lighting/LED

Square Steel Poles

CL-SSP Series

POLE DATA

Pole Selection	Pole Size	Pole Gauge	DIM "A" Pole Height	DIMENSIONS										EPA/WIND LOADING (psf, ft.)			
				DIM "B" Base Plate	DIM "C" Min. Bolt Pattern	DIM "D" Max. Bolt Pattern	DIM "E" Bolt Circle	DIM "F" Anchor Bolt Diameter	DIM "G" Anchor Bolt Height	DIM "H" Anchor Bolt	80'	90'	100'	120'			
CL-SSP-4011-3B	4"	11ga	28'	18"	8" SQ	6.66"	6.36"	a8 5"	0.75"	17"	3"	11.1	9.0	7.2	5.1		
CL-SSP-4011-20	4"	11ga	20'	8"	8" SQ	6.66"	6.36"	a8 5"	0.75"	17"	3"	9.0	7.3	5.9	4.2		
CL-SSP-4011-25	4"	11ga	25'	8"	8" SQ	6.66"	6.36"	a8 5"	0.75"	17"	3"	9.0	7.3	5.9	4.2		
CL-SSP-5011-25	5"	11ga	25'	11" SQ	7.43"	8.13"	a10.5-11.5"	0.75"	17"	3"	8.5	6.9	5.6	4.0			
CL-SSP-5007-25	5"	7ga	25'	11" SQ	7.43"	8.13"	a10.5-11.5"	1"	37"	4"	17.5	14.2	11.4	8.1			
CL-SSP-5011-26	5"	11ga	26'	11" SQ	7.43"	8.13"	a10.5-11.5"	0.75"	17"	3"	4.8	3.9	3.1	2.2			
CL-SSP-5007-30	5"	7ga	30'	11" SQ	7.43"	8.13"	a10.5-11.5"	1"	37"	4"	10.6	8.6	6.9	4.9			

*Includes 1.3 gust factor

Square Steel Poles

CL-SSP Series

POLE

Type: CL-SSP-4011-25-D6-PS

CATALOG #	SIZE/GAUGE	HEIGHT
CL-SSP	4011 - 4" Square/11ga (available on 25', 27' and 30' poles) 4007 - 4" Square/7ga (available on 25' and 30' poles) 5011 - 5" Square/11ga (available on 25', 26' poles) 5007 - 5" Square/7ga (available on 25', 28' and 30' poles)	18' - 18' 20' - 20' 25' - 25' 26' - 26' 28' - 28' 30' - 30'
MOUNTING	FINISH	SHAFT
OT - Open Top TT - Tenon Top DT - Drilled for Single D3 - Drilled for Double at 180° D5 - Drilled for Triple at 90° D6 - Drilled for Quad at 90°	Polyester Powder Coat Finish BZ - Bronze SV - Silver BK - Black WH - White PS - Platinum Silver	<ul style="list-style-type: none"> ASTM A-500 Grade B carbon steel Minimum 46,000 PSI, yield strength Drilled top includes removable cap Tenon top includes 2-3/8" O.D. x 4.0" H x 25" Thick tenon
BASE PLATE	ANCHOR BOLTS	HAND HOLE
<ul style="list-style-type: none"> ASTM A-36 hot rolled carbon steel Minimum 36,000 PSI, yield strength Removable Base Cover 6.0" Square Base Plate (4" Poles) 11.0" Square Base Plate (5" Poles) 0.75" Thick Base Plate (7ga Poles) 0.75" Thick Base Plate (7ga, 4" Poles) 1.0" Thick Base Plate (7ga, 5" Poles) a8.5" Bolt Circle (4" Poles) a10.5-11.5" Bolt Circle (5" Poles) 1.0" Bolt Holes (11ga Poles) 1.25" Bolt Holes (7ga Poles) 5.66" - 6.36" Bolt Pattern Measurement (4" poles) 7.43" - 8.13" Bolt Pattern Measurement (5" Poles) 	<ul style="list-style-type: none"> F1554 Grade Minimum 55,000 PSI, yield strength Fully galvanized 17.0" L x 0.75" Dia. J Bolts (7ga Poles) 27.0" L x 1.0" Dia. J Bolts (7ga Poles) Includes two hex nuts and two flat washers 	<ul style="list-style-type: none"> 3.0" x 5.0" Hand Hole w/ Cover Located 14.0" above base
ACCESSORIES		
Templates C2066X010R (11ga Poles) C2066X010R (7ga Poles) C2066X03R0 (7ga Poles)		
WARRANTY		
One-year limited warranty. Certain exceptions apply. For details, contact factory.		

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OSQ™ LED Area/Flood Luminaire - Medium

FIXTURE PL

Rev. Date: V21 10/23/2019

Product Specifications

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weatherlight LED driver compartment and high performance heat sink
- Convenient interlocking mounting mount on direct arm mount
- Mounting adaptor is rugged die cast aluminum and mounts to a 1.75"-17.5mm square or round pole, secured by two 1/4"-18 UNC bolts spaced at 2" (51mm) centers
- Mounting to the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP-2, 2.375" (60mm) G.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 1/4" (38) fasteners by others
- Tenon mount is constructed of A307 and A1011 steel and is adjustable from 0° to 15° degrees increments. Tenon mount secures to surface with 1/4" (38) or 1/2" (12) or 3/8" bolts
- Includes 18" (343mm) 18/5 or 18/5 cord exiting the luminaire. When ordered with R option, 18" (343mm) 18/7 or 1A/7 cord is provided
- Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard™ finish features an E-Cool epoxy primer with an ultra-durable powder coating, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- Weight: OSQ-DA: 28.9 lbs. (13.1kg); OSQ-B-AA: 28.4 lbs. (12.9kg); OSQ-M-SSP: 42 lbs. (19.1kg); OSQ-TM: 32.4 lbs. (14.7kg)

Electrical System

- Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- Power Factor: > 0.9 at full load
- Total Harmonic Distortion: < 20% at full load
- Integral 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
- Consult factory if in-luminaire fusing is required
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to Dimming spec sheet for details
- Maximum 10V Source Current: 1.0mA

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 C136.31-2003, 30' bridge and overpass vibration standards with AA, DA, TM, and TSP mounts
- ANSI C136.2 10KV surge protection, tested in accordance with IEEE/ASTM 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 Bay American requirements within ARRA
- DLC and DLC Premium qualified versions available with 70 CRI. Some exceptions apply. Please refer to <https://www.dco.com/dco/dco-website/energy-lighting/area-flood-luminaires> for most current information
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, ICA Approved when ordered with 30K CCT and direct or transportation mounts only. Please refer to <https://www.dco.com/dco-website/energy-lighting/area-flood-luminaires> for most current information
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OSQ™ LED Area/Flood Luminaire - Medium

FIXTURE PL

Rev. Date: V21 10/23/2019

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OSQ™ LED Area/Flood Luminaire - Medium

FIXTURE PL

Rev. Date: V21 10/23/2019

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Dec 10, 2019 3:04pm - USER: michael@jonacoro.com - Bridgestone-Firestone (Engineering)\1920422_BSR0 - Naperville, IL\Sheets\PSL2 SITE LIGHTING CUTSHEET.dwg

CONSTRUCTION DOCUMENTS WILL BE BASED ON THE LATEST RELEASE OF THE PROTOTYPICAL DOCUMENTS ON LUCERNE AT THE TIME OF CONSTRUCTION DOCUMENT AUTHORIZATION.

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12/10/19

PROJECT CONTACTS: PHONE #:

ARCHITECT: OLIVIA GOOD (918) 587-8600

SGA DESIGN GROUP, P.C.

14817 West 95th Street, Lenexa, Kansas 66215
 P 913.322.5150 F 913.322.5155
 www.AcertusGroup.com

PROTOTYPE: SMALL ER

ZONE APPROVAL (BY/DATE):

VP. _____

CONT. _____

RM. _____

CM. _____

ENTY ID: XXXXXXX
 SITE ID: XXXXXXX
 LEGACY ID: XXXXXXX

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HWY 59 & LEVERENZ RD.
 NAPERVILLE, IL

SHEET TITLE: SITE LIGHTING CUTSHEETS

SHEET NUMBER: PSL2

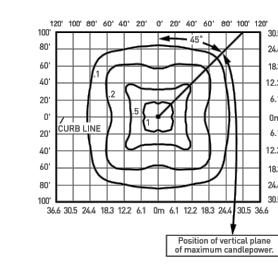
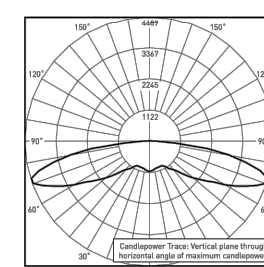
SGA Design Group, P.C. 1437 South Boulder, Suite 550, Tulsa, Oklahoma 74119.3609, p: 918.587.8601, www.sgadesigngroup.com

OSQ™ LED Area/Flood Luminaire – Medium

Photometry

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

SME



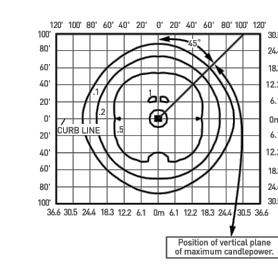
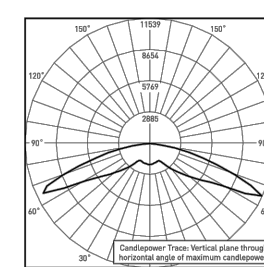
TEST Test Report # PL0193-0018
OSQ-A**SME-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 15,159

OSQ-A**SME-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 15,159
Initial FC at grade

Input Power Designator	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
B	10,222	B4 U0 G3	10,867	B4 U0 G3	10,800	B4 U0 G3	11,056	B4 U0 G3
K	15,043	B4 U0 G4	15,999	B4 U0 G4	14,925	B4 U0 G4	16,277	B4 U0 G4
Z	5,552	B3 U0 G3	6,086	B3 U0 G3	4,975	B3 U0 G3	6,192	B3 U0 G3

* Initial delivered lumens at 25' (7.6m). Actual production yield may vary between -10 and +10% of initial delivered lumens.
** For more information on the IES BUG (Backlight-Uplight-Grain) Rating scale, visit <https://www.es.org/center/content/guide/201102/7M-15-11B/BUGRatingScale.pdf>. Valid with all IES.

SSH



TEST Test Report # PL1075-0014
OSQ-A**SSH-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 25,269

OSQ-A**SSH-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 25,269
Initial FC at grade

Input Power Designator	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
B	10,806	B4 U0 G2	11,478	B4 U0 G2	10,575	B4 U0 G2	11,678	B4 U0 G2
K	15,959	B4 U0 G3	16,897	B4 U0 G3	15,800	B4 U0 G3	17,191	B4 U0 G3
Z	5,552	B3 U0 G1	6,428	B3 U0 G2	4,525	B3 U0 G2	6,539	B3 U0 G2

* Initial delivered lumens at 25' (7.6m). Actual production yield may vary between -10 and +10% of initial delivered lumens.
** For more information on the IES BUG (Backlight-Uplight-Grain) Rating scale, visit <https://www.es.org/center/content/guide/201102/7M-15-11B/BUGRatingScale.pdf>. Valid with all IES.

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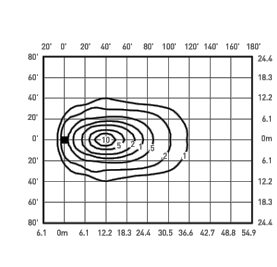
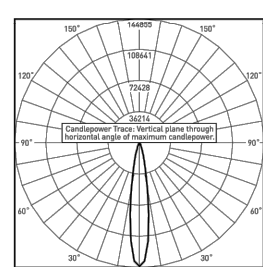
CREE LIGHTING

OSQ™ LED Area/Flood Luminaire – Medium

Photometry

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

150



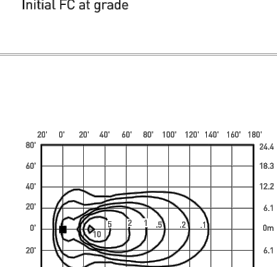
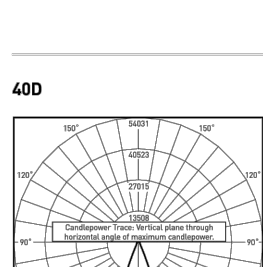
TEST Test Report # PL0769-0014
OSQ-A**150-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 23,236

OSQ-A**150-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 23,236
Initial FC at grade

Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678	15,959	16,897	15,800	17,191
K	15,959	16,897	15,800	17,191	Z	5,552	6,428	6,525

* Initial delivered lumens at 25' (7.6m). Actual production yield may vary between -10 and +10% of initial delivered lumens.
** For more information on the IES BUG (Backlight-Uplight-Grain) Rating scale, visit <https://www.es.org/center/content/guide/201102/7M-15-11B/BUGRatingScale.pdf>. Valid with all IES.

250



TEST Test Report # PL0769-0014
OSQ-A**250-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 23,236

OSQ-A**250-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 23,236
Initial FC at grade

Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678	15,959	16,897	15,800	17,191
K	15,959	16,897	15,800	17,191	Z	5,552	6,428	6,525

* Initial delivered lumens at 25' (7.6m). Actual production yield may vary between -10 and +10% of initial delivered lumens.
** For more information on the IES BUG (Backlight-Uplight-Grain) Rating scale, visit <https://www.es.org/center/content/guide/201102/7M-15-11B/BUGRatingScale.pdf>. Valid with all IES.

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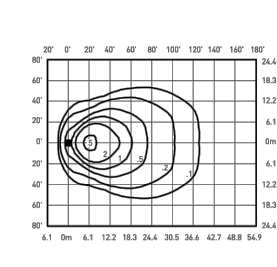
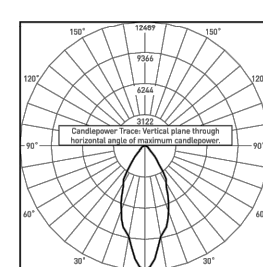
CREE LIGHTING

OSQ™ LED Area/Flood Luminaire – Medium

Photometry

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

600



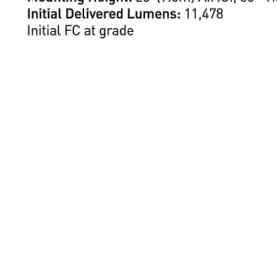
TEST Test Report # PL0193-0018
OSQ-A**600-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 12,279

OSQ-A**600-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 12,279
Initial FC at grade

Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678	15,959	16,897	15,800	17,191
K	15,959	16,897	15,800	17,191	Z	5,552	6,428	6,525

* Initial delivered lumens at 25' (7.6m). Actual production yield may vary between -10 and +10% of initial delivered lumens.
** For more information on the IES BUG (Backlight-Uplight-Grain) Rating scale, visit <https://www.es.org/center/content/guide/201102/7M-15-11B/BUGRatingScale.pdf>. Valid with all IES.

WSN



TEST Test Report # PL0769-0014
OSQ-A**WSN-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 23,236

OSQ-A**WSN-B-40K-LL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 23,236
Initial FC at grade

Input Power Designator	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
B	10,806	11,478	10,575	11,678	15,959	16,897	15,800	17,191
K	15,959	16,897	15,800	17,191	Z	5,552	6,428	6,525

* Initial delivered lumens at 25' (7.6m). Actual production yield may vary between -10 and +10% of initial delivered lumens.
** For more information on the IES BUG (Backlight-Uplight-Grain) Rating scale, visit <https://www.es.org/center/content/guide/201102/7M-15-11B/BUGRatingScale.pdf>. Valid with all IES.

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CREE LIGHTING

OSQ™ LED Area/Flood Luminaire – Medium

Luminaire EPA

Adjustable Arm Mount – OSQ-B-AA Weight: 28.4 lbs. (12.9kg)	2 B 180°	2 B 90°	3 B 90°	3 B 120°	3 B 180°	4 B 180°	4 B 90°
0° Tilt	1.48	1.19	1.93	1.63	3.33	4.66	2.38
15° Tilt	1.48	1.49	2.23	2.15	4.21	5.84	2.98
30° Tilt	1.48	1.86	2.60	2.85	5.31	7.32	3.72
45° Tilt	1.48	2.20	2.94	3.56	6.34	8.68	4.40
60° Tilt	1.96	2.69	3.43	4.54	7.83	10.68	5.38
75° Tilt	2.33	3.07	3.81	5.11	8.94	12.16	6.14
90° Tilt	2.49	3.23	3.97	5.11	9.43	12.80	6.44
105° Tilt	2.58	3.32	4.06	5.11	9.71	13.16	6.64
Tenon Configuration [0°/15°/30°/45°/60°/75°/90°/105°/120°/135°/150°/165°/180°]	1.48	2.41	4.44	6.05	5.11	9.79	13.28

* Specify pole size: 3/4", 1 1/4", 1 3/4", or 2" for single, double or triple luminaire orientation or 4/1", 5/1", 6" or 8" for quad luminaire orientation.
** These EPA values must be multiplied by the following ratio: Fixture Mounting Orientation/Total Pole Height. Specify pole size: 3/4", 1 1/4", 1 3/4", or 2".

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.33
PB-4A180	2.23
PB-4A90	1.11
PB-3R2-375	0.92
PB-3R2-375	1.42
PB-4R2-375	2.32
PB 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: 3/4", 1 1/4", 1 3/4", or 2" for single, double or triple luminaire orientation.
** These EPA values must be multiplied by the following ratio: Fixture Mounting Orientation/Total Pole Height. Specify pole size: 3/4", 1 1/4", 1 3/4", or 2".

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CREE LIGHTING

OSQ™ LED Area/Flood Luminaire – Medium

Luminaire EPA

Direct Arm Mount – OSQ-DA Weight: 28.9 lbs. (13.1kg)	2 B 180°	2 B 90°	3 B 120°	4 B 90°
0° Tilt	1.48	1.19	1.63	2.38

Direct Mount Configurations

Compatibility with OSQ-DA Direct Mount Bracket	2 B 90°	2 B 180°	3 B 90°	3 B 120°	4 B 90°
3" Square	N/A	✓	N/A	N/A	N/A
3" Round	N/A	✓	N/A	N/A	N/A
B, H, & Z	N/A	✓	N/A	N/A	N/A
4" Square	✓	✓	✓	N/A	N/A
B, H, & Z	✓	✓	✓	✓	✓
4" Round	✓	✓	✓	✓	✓
B, H, & Z	✓	✓	✓	✓	✓
5" Square	✓	✓	✓	N/A	✓
B, H, & Z	✓	✓	✓	✓	✓
5" Round	✓	✓	✓	✓	✓
B, H, & Z	✓	✓	✓	✓	✓
6" Square	✓	✓	✓	N/A	✓
B, H, & Z	✓	✓	✓	✓	✓
6" Round	✓	✓	✓	✓	✓
B, H, & Z	✓	✓	✓	✓	✓

Luminaire EPA

Truncheon Mount – OSQ-TM Weight: 32.4 lbs. (14.8kg)	2 B 180°	2 B 90°	3 B 120°	4 B 90°
0° Tilt	1.48	1.19	1.63	2.38
15° Tilt	1.48	1.49	2.23	2.15
30° Tilt	1.48	1.86	2.60	2.85
45° Tilt	1.48	2.20	2.94	3.56
60° Tilt	1.96	2.69	3.43	4.54
75° Tilt	2.33	3.07	3.81	5.11
90° Tilt	2.49	3.23	3.97	5.11
105° Tilt	2.58	3.32	4.06	5.11

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CREE LIGHTING

OSQ™ LED Area/Flood Luminaire – Medium

Field Adjustable Output (09/06/05/04/03/02/01) 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 G option, the luminaire will be shipped from the factory at the selected G setting and will be fully adjustable between the nine settings.

Q Option Power & Lumen Data – Designator B

Q Option Setting	CCT/CRI	System Watts	Lumen Values					Optics Qualified on DLC GPL			
			Asymmetric	SME	SSH & Floods	2ME w/BLS	3ME w/BLS	4ME w/BLS	Standard	Premium	
09	Full Power	120-480V	30K (70 CRI)	10,238	10,232	10,866	8,251	8,277	8,251	SME	2ME, 3ME, 4ME, SSH, 150, 250, 400, 600, WSN
			40K (70 CRI)	11,424	10,867	11,478	8,799	9,019	8,799	N/A	2ME, 3ME, 4ME, SME, SSH, 150, 250, 400, 600, WSN
			50K (90 CRI)	9,250	10,000	10,575	7,200	7,400	7,200	TBD	TBD

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CREE LIGHTING

OSQ™ LED Area/F