red leonard associates

1340 KEMPER MEADOW DR. FOREST PARK, OH 45240 513-574-9500

RL-5264-S1

03/13/18

CPD

2035 SAW MILL RIVER RD. YORKTOWN HEIGHTS, NY







CHANGING THE INDUSTRY STANDARD

USING YOUR INTERACTIVE SITE PLAN



TO USE THE INTERACTIVE FEATURES OF THIS PLAN, MAKE SURE YOU ARE VIEWING IT IN ADOBE READER.

IF YOU DO NOT HAVE ADOBE READER INSTALLED ON YOUR SYSTEM, IT IS AVAILABLE FOR DOWNLOAD AT THE FOLLOWING LINK:

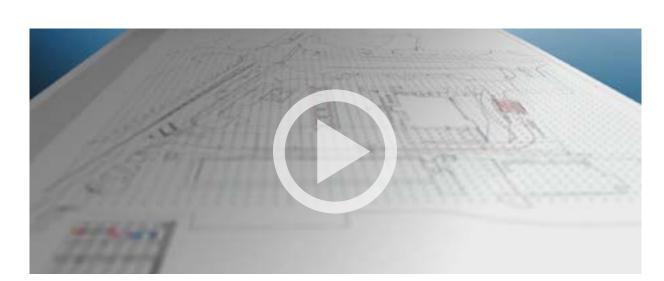
https://get.adobe.com/reader/



TO USE QR CODES, YOU CAN CLICK ON YOUR SCREEN OR SCAN WITH YOUR SMARTPHONE.

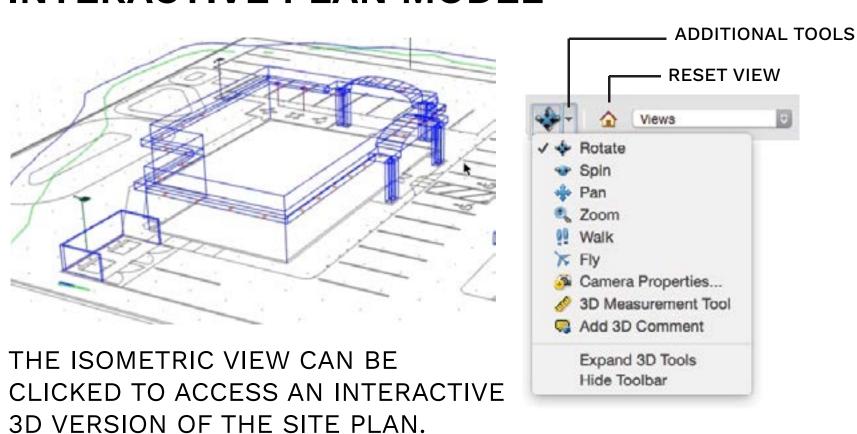
QR SCANNERS ARE AVAILABLE BY VISITING <u>REDLEONARD.COM</u> OR YOUR APP STORE.

HOW TO USE YOUR INTERACTIVE SITE PLAN



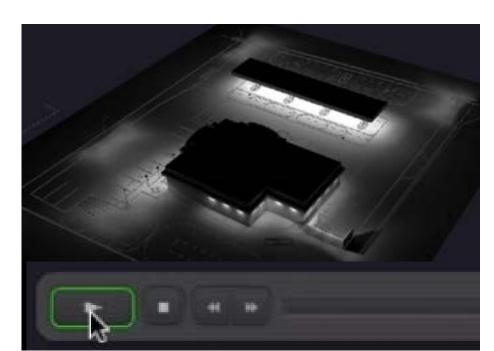


INTERACTIVE PLAN MODEL



RIGHT-CLICK AND CHOOSE "DISABLE CONTENT" TO RETURN TO THE ISOMETRIC PLAN VIEW.

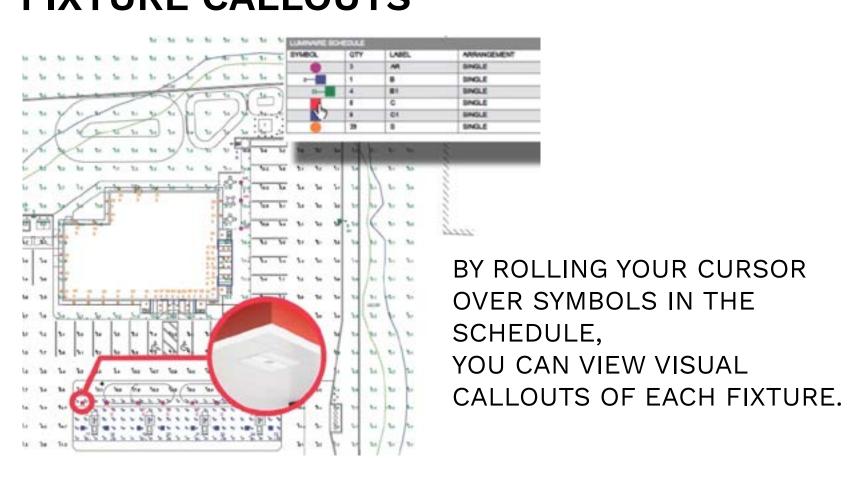
SITE VIDEO



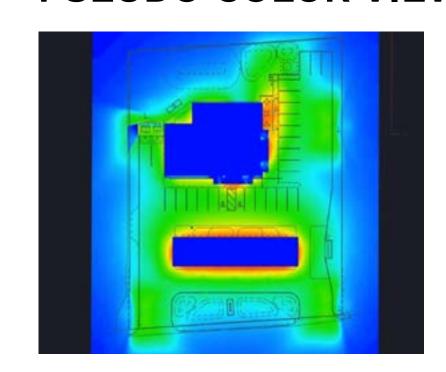
CLICKING THE BLACK AND WHITE SITE IMAGE PLAYS A VIDEO THAT PANS AROUND THE ENTIRE SITE. YOU CAN PAUSE THE VIDEO AT ANY TIME FOR A BETTER LOOK.

RIGHT-CLICK AND CHOOSE
"DISABLE CONTENT" TO RETURN
TO THE DEFAULT IMAGE.

FIXTURE CALLOUTS



PSEUDO COLOR VIEWS

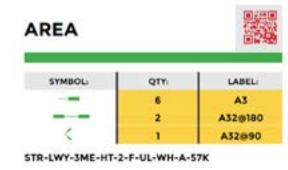


THE PSEUDO COLOR VIEWS CAN BE CLICKED TO ACCESS A SLIDESHOW WHERE YOU CAN PAN BETWEEN IMAGES FOR COMPARISON USING THE ARROWS.

RIGHT-CLICK AND CHOOSE "DISABLE CONTENT" TO RETURN TO THE PSEUDO COLOR PLAN VIEWS.

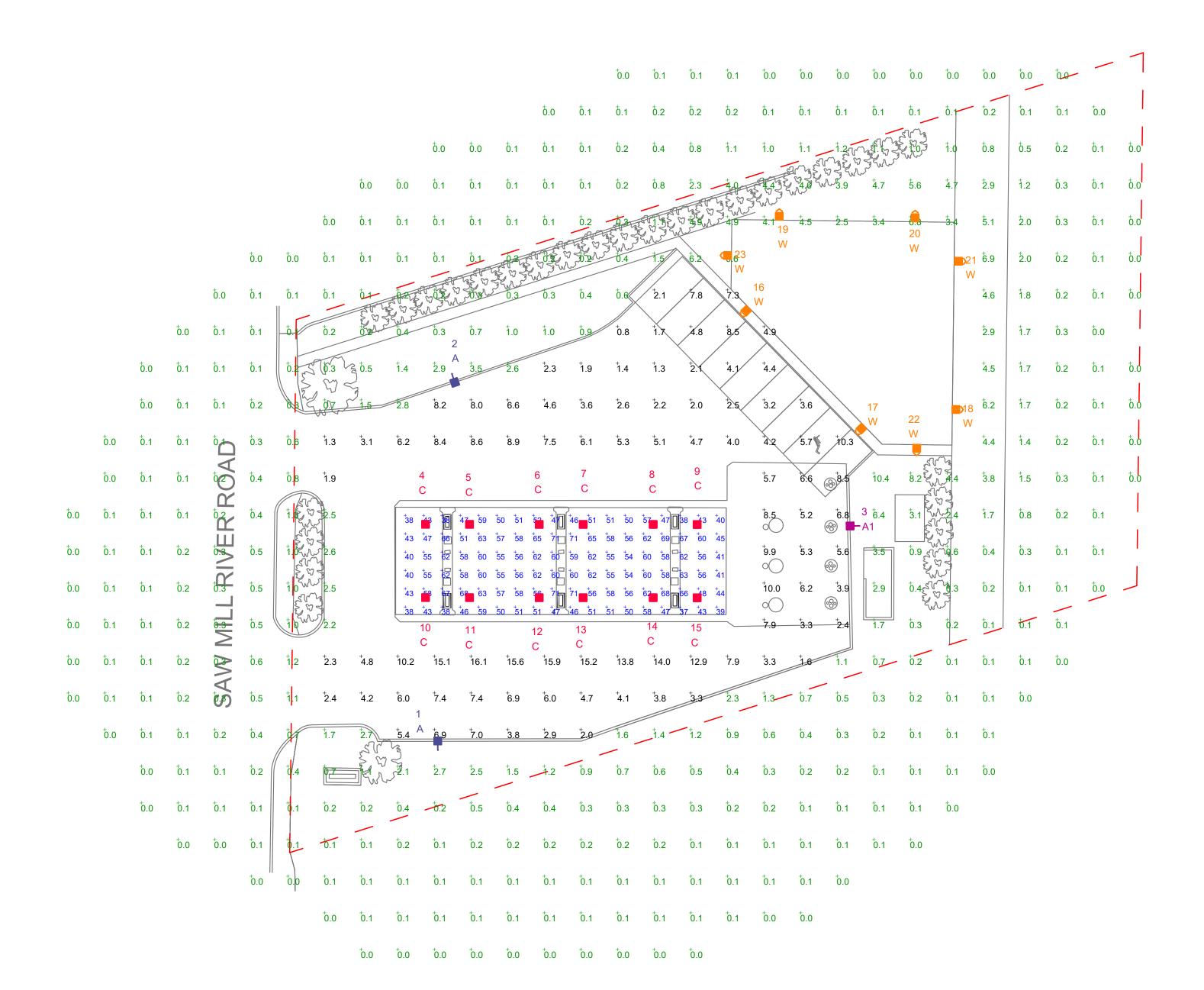
ADDITIONAL INFORMATION





ADDITIONAL INFORMATION FOR EACH FIXTURE IS AVAILABLE BY CLICKING OR SCANNING THE QR CODE ABOVE THE SPECIFICATION SHEETS. ONCE ON THE PRODUCT PAGE, YOU CAN FIND INDIVIDUAL SPEC SHEETS, DIMMING OPTIONS, ACCESSORIES AND ANY AVAILABLE INSTALLATION INSTRUCTIONS BY NAVIGATING TO THE "DOCUMENTATION" TAB.

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LUM NO.	LABEL	MTG. HT.
1	А	17.5
2	А	17.5
3	A1	17.5
4	С	14
5	С	14
6	С	14
7	С	14
8	С	14
9	С	14
10	С	14
11	С	14
12	С	14
13	С	14
14	С	14
15	С	14
16	W	10
17	W	10
18	W	10
19	W	10
20	W	10
21	W	10
22	W	10
23	W	10

UMINAIRE LOCATION SUMMARY

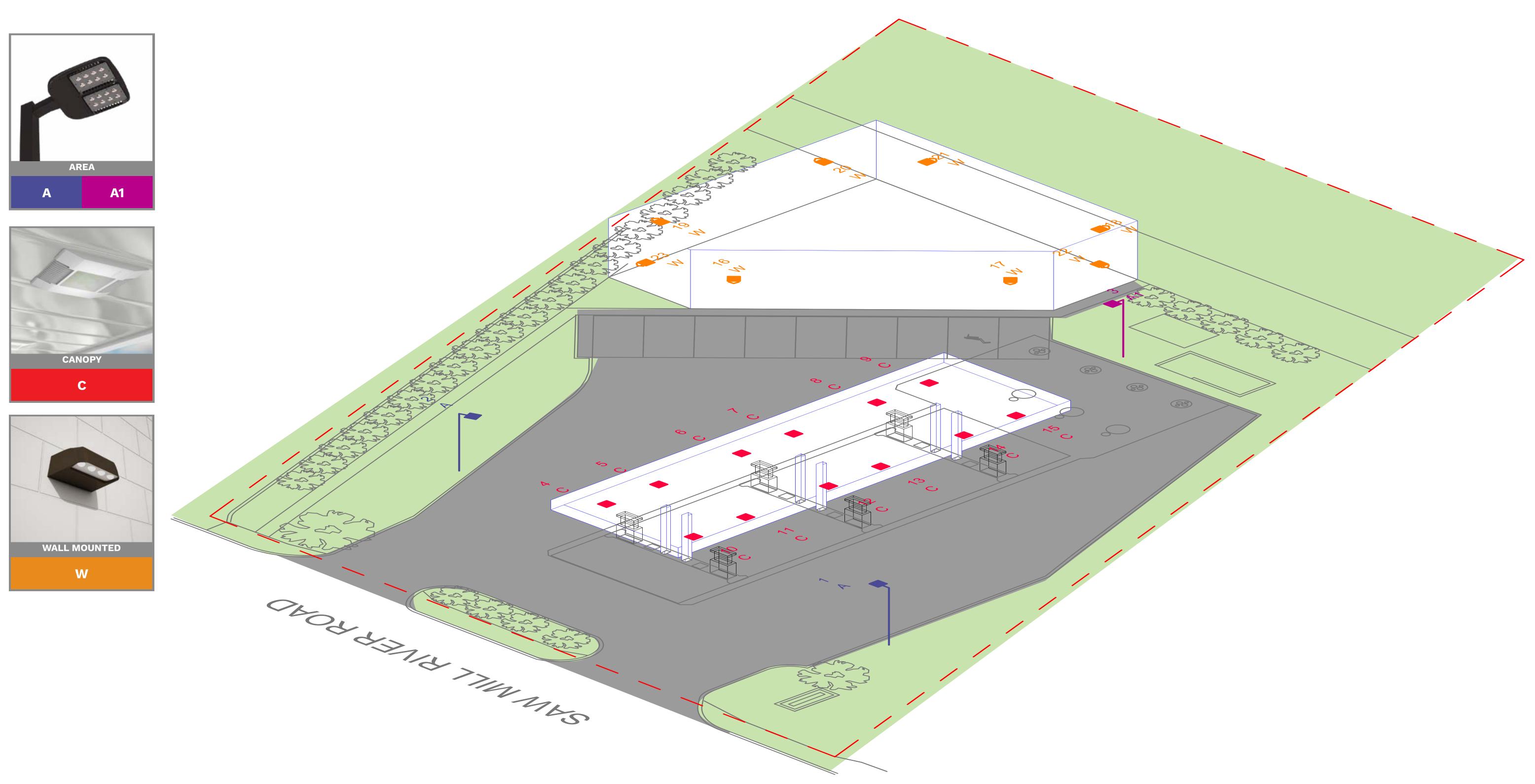
AREA LIGHTS ON 15 FT. POLES MOUNTED ON 30 IN. HIGH CONCRETE BASES

FOOTCANDLE LEVELS CALCULATED AT GRADE USING I	NITIAL LUM	EN VALUES	;		
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	5.94	16.1	0.8	7.43	20.13
UNDEFINED	0.74	10.4	0.0	N.A.	N.A.
UNDER CANOPY	54.34	71	37	1.47	1.92

LUMINAIRE SCHE	LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	DESCRIPTION	
	2	A	SINGLE	9196	1.000	B1-U0-G2	86	172	Cree Inc	OSQ-XX + OSQ-A-NM-3ME-B-57K-UL-XX + OSQ-BLSMF	
	1	A1	SINGLE	8950	1.000	B1-U0-G2	86	86	Cree Inc	OSQ-XX + OSQ-A-NM-4ME-B-57K-UL-XX + OSQ-BLSMF	
	12	С	SINGLE	20332	1.000	B4-U0-G1	145.15	1741.8	Cree Inc	CPY250-B-DM-F-E-UL-XX-57K	
	8	W	SINGLE	4031	1.000	B1-U0-G1	42.96	343.68	Cree Inc	XSPWA03MC-UX	

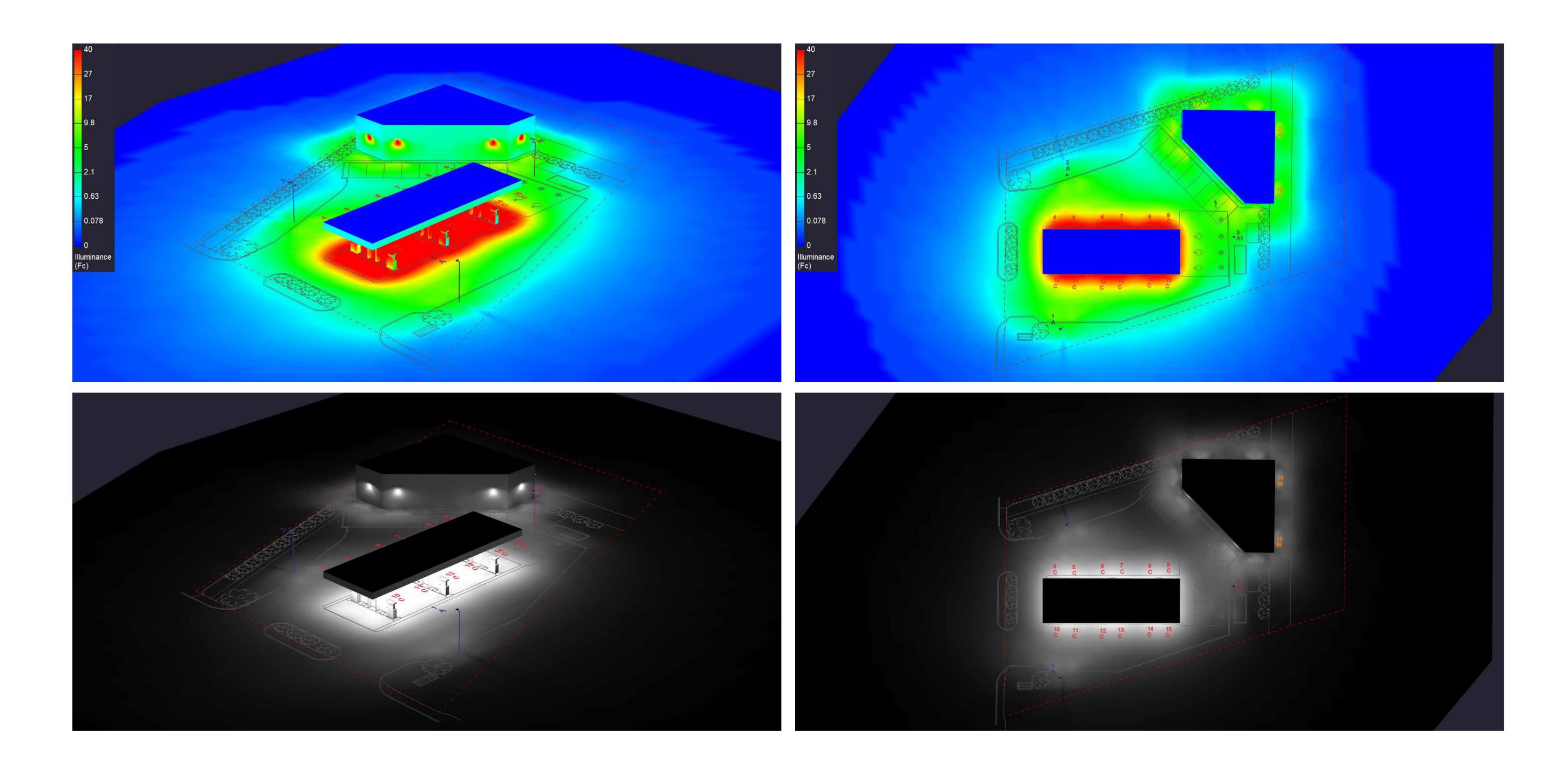


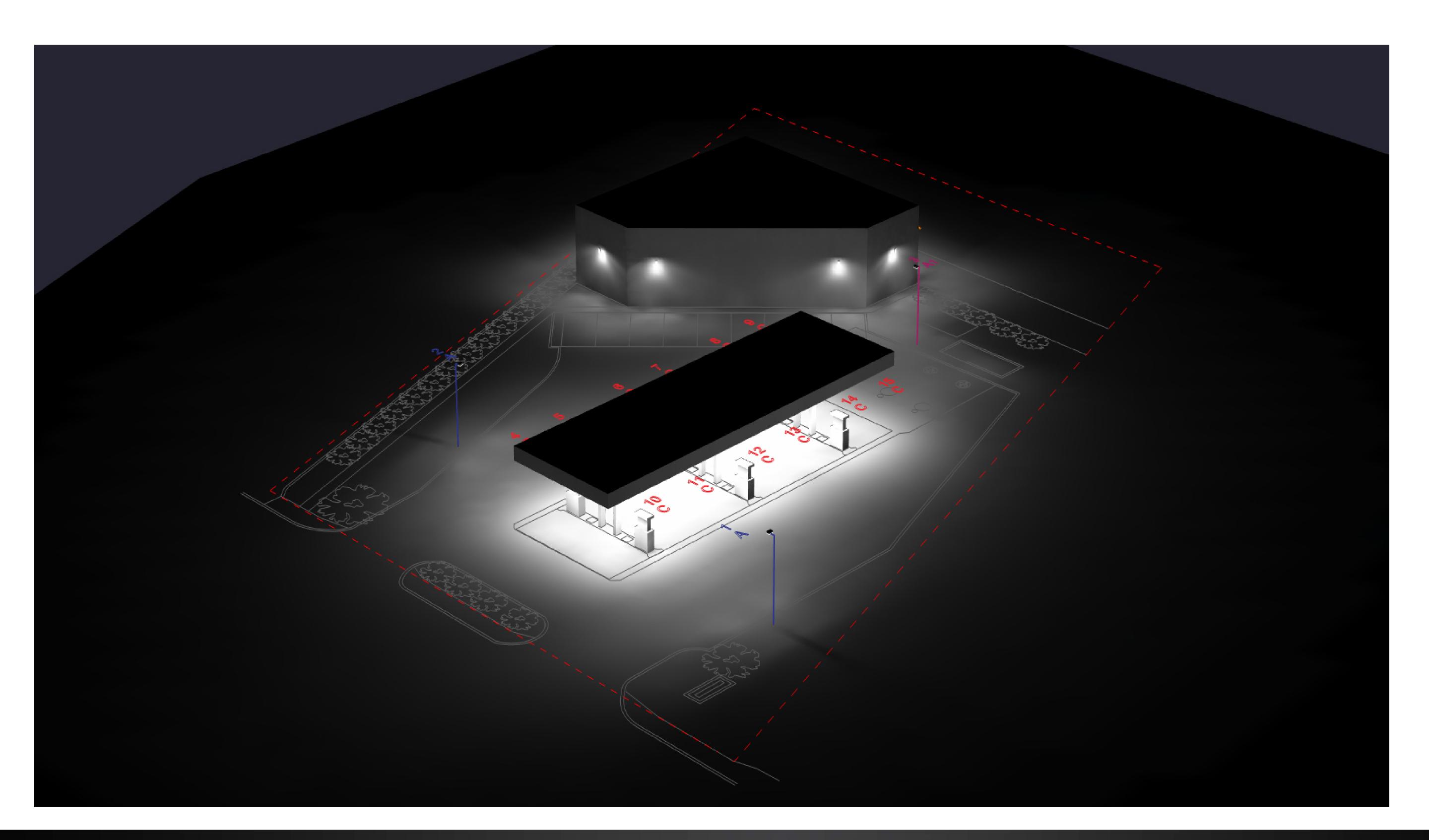
RL-5264-S1





CLICK OR SCAN HERE FOR EXTERIOR OPTIONS







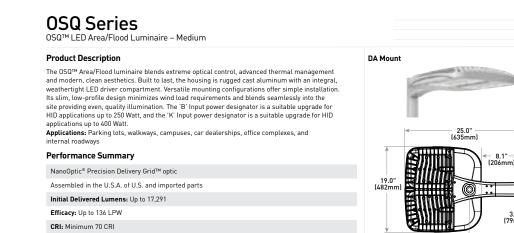


SYMBOL:	QTY:	LABEL:
	2	Α

OSQ-XX + OSQ-A-NM-3ME-B-57K-UL-XX + OSQ-BLSMF



OSQ-XX + OSQ-A-NM-4ME-B-57K-UL-XX + OSQ-BLSMF



CCT: 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K) Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish *See http://lighting.cree.com/warranty for warranty terms Accessories
Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish
CCT: 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)

Mount (Luminaire must be order DSQ-	red Separatety)*			
Mount (Luminaire must be order	red separately)			
ulty assembled luminaire is com kample: Mount: OSQ-AASV + Lu	minaire: OSQ-A-NM-2ME-B-4		eparately:	
rdering Information	onesed of two components tha	t must be ordered s	enarately.	

OSQ	A	NM							
Product	Version	Mounting	Optic	Input Power Designator	сст	Voltage	Color Options	Options	
osa	A	NM No Mount	Asymmetric 2ME* 2	8 86W K 130W	30K 3000K 40K 400K 57K 5700K	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	DIM 0-10V Dimming Control by others Refer to Dimming spec sheet for details Can't exceed wattage of specified input power designator Fuse When code dictates fusing, use time detay fuse Available for U.S. applications only ML Mutit-Level Refer to ML spec sheet for details Available with UL voltage only Intended for downlight applications at 0° tilt Up to AOF Mounting Height Refer to PML spec sheet for details Intended for downlight applications at 0° tilt Up to AOF 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' titt 09/08/08/04/03/02/01 Field Adjustable Output - Must select 09, 06, 05, 04, 03, 02, or 01 Offers full range adjustability - Refer to pages 9-10 for power and tumen values R NEMA* Photocell Receptacle - Intended for downlight applications with maximum 45' titl - 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





Product Specifications

CONSTRUCTION & MATERIALS 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 ""."

Mounting for the ""."

 Mounting for the adjustable arm mount adaptor is rugged die casi aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) 0.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 prime with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available.

 We have a contracting the contraction of the contraction of the contraction. Weight: 26.5 lbs. (12kg)

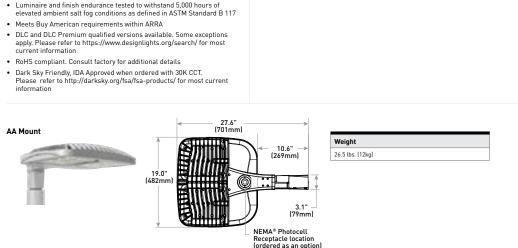
ELECTRICAL SYSTEM • Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers

• Total Harmonic Distortion: < 20% at full load Integral 10kV surge suppression protection standard 10V Source Current: 0.15mA

REGULATORY & VOLUNTARY QUALIFICATIONS Suitable for wet locations

- Enclosure rated IP66 per IEC 60529 when ordered without R option Certified to ANSI C136.31-2001, 3G bridge and overpass vibration
- 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
- DLC and DLC Premium qualified versions available. Some exceptions apply. Please refer to https://www.designlights.org/search/ for most
- RoHS compliant. Consult factory for additional details

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



130 1.09 0.65 0.56 0.49 0.38 0.28

OSQ Series Ambient Adjusted Lumen Maintenance¹

CANOPY



SYMBOL:	QTY:	LABEL:
	12	С

CPY250-B-DM-F-E-UL-XX-57K

CPY Series - Version B

Product Description	DM
The CPY250® LED Canopy/Soffit Luminaire has an extremely thin profile constructed of rugged cast aluminum. It can be surface mounted easily from below the canopy deck and can be pendant mounted. Direct imaging of the LEDs is eliminated with a highly efficient patterned flat or 0.91° [23mm] drop glass ens.	

Performance Summary
Assembled in the U.S.A. of U.S. and imported parts
Initial Delivered Lumens: Up to 20,080
Efficacy: Up to 151 LPW
CRI: Minimum 70 CRI
CCT: 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)

Limited Warranty*: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish IP66 Rated (Direct Mount only)

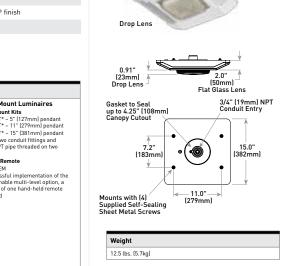
ee http://tighting.cree.com/warranty for warranty terms	
ccessories	
Field-Installed	
Direct Mount Luminaires Anopy Upgrade Kits [18 ga. steet] A-BXCCNW – for use with Jet-Philips, 21.60° [549mm] square A-BXCCNW – for use with Listo Franciscan, 22.06° [550mm] square A-BXCCNW – for use with List Dakota or Masters, 22.50° [572mm] square A-BXCCNW – for use with Miteway Riviera or Riy-A-Lite, 20.60° [523mm] quare A-BXCCNW – for use with Elsco Merrit. 18.06° [459mm] square	Pendant Mount Luminaires Pendant Mount Kits XA-PS12KIT* - 5" [127mm] pend XA-PS18KIT* - 11" [279mm] per XA-PS22KIT* - 15" [381mm] per Includes two conduit filtings ar 3/4-14 NPT pipe threaded on trends
A-BXCCSW - for use with LSR Richmond or Whiteway Civic, 23.00" [584mm] L 13.00" [330mm] W linect Mount Junction Box/Stem Kit A-BXCCJBOX - 6.0" [152mm] H x 3/4" [19mm] NPT Stem Watertight	Hand-Held Remote XA-SENSREM - For successful implementation programmable multi-level optiminimum of one hand-held reries required.

- For use in canopies where deck opening is larger than what is required for mounting the CPY250 luminatie. Maximum deck opening 10.75" x 15" [183mm x 375mm]

XA-BXCCBBF 6W - 26.17" [665mm] Beauty Plate [18 ga. steel] w/16" [400mm]

Backer Plate [16 ga. steel]

- For use in canopies where deck opening is larger than what is required for mounting the CPY250 luminaire. Maximum deck opening 12" x 15" [305mm x 375mm]



Canada: www.cree.com/canada T (800) 473-1234 F (800) 890-7507

96 96 0.82 0.47 0.40 0.35 0.28 0.20

31 33 0.26 0.15 0.13 0.11 0.10 0.07

0.99 0.98 0.96 0.94

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

Recommended CPY Series - Version B Lumen Maintenance Factors (LMF)¹

30°C [86°F] | 0.99 | 0.96 | 0.94 | 0.93 | 0.91

peckaged ELD clinj.

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)

5°C (41°F) 1.04

15°C (59°F) 1.02

25°C (77°F) 1.00

CPY250	В							
Product	Version	Mounting	Optic	Input Power Designator	Voltage	Color Options	сст	Options
CPY250	В	DM Direct HC Hook & Cord PD Pendant	D 0.91" [23mm] Drop Lens F Flat Lens	A 60W B 96W C 31W E 145W F 85W	UL Universal 120-277V UH Universal 347-480V - Available with B, E & F input power designators only 34* 347V - A & C input power designators only 48* 480V - A & C input power designators only	BK Black BZ Bronze SV Silver WH White	30K 3000K 40K 4000K 57K 5700K	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed wattage of specified Input Power Designat 1 Class I, Div. 2 Hazardous Location Certification - Available with DIM and PD mounts only - Not available with DIM, K, or PML options - A & C input power designators available in UL voltage only K NSF 2 Certification - Luminaires include NSF certification mark - Available with the DIM mount only - Not available with the PML options PML Programmable Mutti-Level - Available with UL voltage only - Refer to PML spece sheet for details



CPY250® LED Canopy/Soffit Luminaire - Version B

Product Specifications CONSTRUCTION & MATERIALS

 Slim, low profile design . Easy mounting and servicing from below the deck

 Luminaire housing is constructed of rugged cast aluminum with integral heat sink specifically designed for LED Flat lens is 0.125" tempered Solite® glass Drop lens is 0.157" molded borosilicate glass Direct mount is suitable for use in single or double skin canopies with a minimum 4.0" (102mm) wide panels and a minimum 22 gauge, 0.030" (0.7mm) canopy thickness

 Direct mount luminaire mounts directly to the canopy deck with the drilling
of a single 2" to 4" [51mm to 102mm] round hole, is secured in place with
self-sealing screws that provide a weathertight seal and includes 3/4" [19mm]
conduit entry for direct wire feed . Standard pendant mount includes a mounting bracket and a J-Box for customer wiring and is intended to be mounted by 3/4 IP pendant (by others)

Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with

an ultra-durable powder topcoat, providing excellent resistance to corros ultraviolet degradation and abrasion. Black, bronze, silver and white are available Weight: 12.5 lbs. (5.7kg) ELECTRICAL SYSTEM

Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers Power Factor: > 0.9 at full load Integral 6kV surge suppression protection standard When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current

Operating Temperature Range: Applications Requiring Class I, Division 2
Hazardous Location Ratings: -40°C to +25°C; A Input Power Designator: -40°C to +40°C (direct mount to plywood), -40°C to +45°C (direct mount to sheet metal/suspended); B & Input Power Designators: -40°C to +30°C (plywood), -40°C to +40°C (sheet metal/suspended); C Input Power Designator: -40°C to +45°C (plywood), -40°C to +50°C (sheet metal/suspended); F Input Power Designator: -40°C to +40°C (plywood), -40°C to +45°C (sheet metal/ suspended)
WARNING: Exceeding maximum operating temperature may result in

 Continuous dimming to 10% with 0-10V DC control protocol 10V Source Current: 0.15mA $\bullet \;\;$ Use only lighting controls with neutral connection or controls intended for use with LED fixtures Reference <u>LED Dimming spec sheet</u> for additional dimming information

REGULATORY & VOLUNTARY QUALIFICATIONS cULus Listed

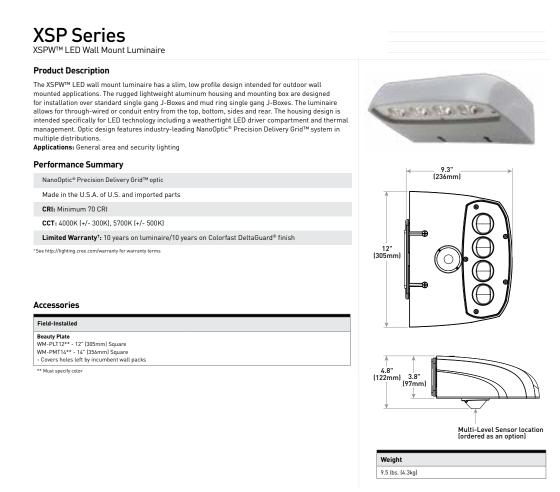
- Suitable for damp locations when ordered with HC and PD mounts Suitable for wet locations when ordered with PD mount and HZ option Consult factory for CE Certified products 6kV surge suppression protection tested in accordance with IEEE/ANSI
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions Meets Buy American requirements within ARRA RoHS compliant. Consult factory for additional details
- NSF Certified when ordered with DM mount. Not available with HZ or PML options. Refer to http://info.nsf.org/Certified/Food/ for additional details
- US: lighting.cree.com T (800) 236-6800 F (262) 504-5415

WALL MOUNTED



SYMBOL:	QTY:	LABEL:
= >	8	w

XSPWA03MC-UX



XSPW	A	0						
Product	Version	Mounting	Optic	Modules	Input Power Designator	Voltage	Color Options	Options
XSPW	A	0 Wall	2 Type II Medium 3 Type III Medium	F 4000K M 5700K	C 42W G 25W	U Universal 120-277V 1 120V 2 208-277V 6* 347V	S Silver T Black W White Z Bronze	K Mutti-Level Refer to ML spec sheet for details Available with Input Power Designator C only Available with U voltage only Photocell Not available with K option Must specify 1, 2, or 6 voltage



US: lighting.cree.com/lighting T (800) 236-6800 F (262) 504-5415 XSPW™ LED Wall Mount Luminaire

Product Specifications CONSTRUCTION & MATERIALS Slim, low profile design

•	Luminaire housing specifically designed for LED applications with advanced LED thermal management and driver
•	Luminaire mounting box designed for installation over standard single gang J-Boxes and mud ring single gang J-Boxes
•	Luminaire can also be direct mounted to a wall and surface wired

- Secures to wall with four 3/16" (5mm) screws (by others) Conduit entry from top, bottom, sides, and rear . Designed and UL approved for easy through-wiring
- Designed for downlight applications only 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, black, white and
- **Weight:** 9.5lbs. (4.3kg) ELECTRICAL SYSTEM Input Voltage: 120-277V or 347V, 50/60Hz
- 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 C Input Power Designator is designed with 0-10V dimming capabilities

• 10V Source Current: 0.15 mA REGULATORY & VOLUNTARY QUALIFICATIONS

- Suitable for wet locations Enclosure rated IP66 per IEC 60529 DLC qualified. Please refer to www.designlights.org/QPL for most
- 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
- . 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

Rev. Date: V7 08/11/2016	CREE 🕏
Canada: www.cree.com/canada	T (800) 473-1234 F (800) 890-7507

Input System Power Watts Designator 120-277V			Total Current (A)					
	System Watts 347V	120V	208V	240V	277V	347V		
С	42	46	0.36	0.21	0.19	0.16	0.14	
G	25	27	0.22	0.13	0.11	0.10	0.08	

Ambient	Input Power Designator	Initial LMF	25K hr Projected ² LMF	50K hr Projected ² LMF	75K hr Projected ² LMF	100K hr Calculated ³ LMF
5°C	С	1.04	1.02	1.01	1.00	1.00
(41°F)	G	1.04	1.02			
10°C (50°F)	С	1.03	1.01	1.00	0.99	0.99
	G	1.03				
15°C (59°F)	С	1.02	1.00	0.99	0.98	0.98
	G	1.02				
20°C [68°F]	С	1.01	0.99	0.98	0.97	0.97
	G					
25°C (77°F)	С	1.00	0.98	0.97	0.96	0.96
	G					

red leonard associates

WESTERN CANADA

CANADA

TOM SCUPHAM tom.scupham@redleonard.com t. 604-999-2959

CENTRAL CANADA

JIM RODD jim.rodd@redleonard.com t. 905-302-0072

EASTERN CANADA

ELVIN MACKAY elvin.mackay@redleonard.com t. 514-706-0378

ILLINOIS

BOB ROECKER bob.roecker@redleonard.com t. 815-222-7796

MIDWESTERN REGION

INDIANA

STEVE VEACH steve.veach@redleonard.com t. 765-212-6490

NATHAN BOECKMAN nathan.boeckman@redleonard.com t. 712-660-8570

KENTUCKY

MARK BRANDEWIEDE mark.brand@redleonard.com t. 513-702-6088

NORTHEASTERN REGION

CONNECTICUT

ISAAC COX isaac.cox@redleonard.com t. 573-355-1765

OHIO

MISSOURI

JAYME LEONARD jayme.leonard@redleonard.com t. 513-574-9500

MARK TRAU

mark.trau@redleonard.com t. 440-463-9196

MARK RITTER mark.ritter@redleonard.com t. 203-565-9801

NEW YORK

PAUL KULICAMP paul.kulicamp@redleonard.com t. 646-660-2750

PAUL WRIGHT

paul.wright@redleonard.com t. 518-859-3400



CREE LIGHTING PRODUCT CATALOG



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(DLC QUALIFIED PRODUCTS LIST)

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CREE TRUEWHITE® & CRI (COLOR RENDERING INDEX)

CREE WARRANTY

CREE PETROLEUM

APPLICATION GUIDE

INFORMATION



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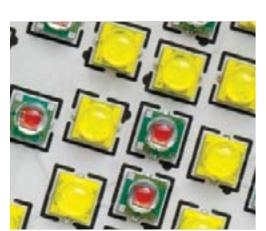
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CREE PETROLEUM **UPGRADE GUIDE**



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NanoOptic® **TECHNOLOGY**



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CROWN-WELD® SQUARE STRAIGHT STEEL POLES



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IP RATINGS DEMYSTIFIED



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DIRECT ACCESS. ANYWHERE. ANYTIME. ON ANY DEVICE.





