PHOTOMETRIC PLAN PREPARED FOR CASEY'S STORE #6533 NAPERVILLE, IL





THIS SITE IS LOCATED IN A REGION WHERE LIGHTING IS REGULATED BY LOCAL ORDINANCES

39 5.**6**5 **6**49 4.48 3.5 1.8 0.7 0.3 0.1 0.1

[†]2.4 [†]1.0 [†]0.9 • [†]3.9

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2.8 1.2 1.7 • 8.47

75TH STREET

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17**-**20 26 **2**926 2**0**18

- ALL AREA LIGHTS ON NEW 15 FT. POLES MOUNTED ON 2 FT. CONCRETE BASES
- RED LEONARD ASSOCIATES RECOMMENDS USING THE MANUFACTURER'S VALUES FOR INITIAL LLF IN CASES WHERE LIGHT TRESPASS IS A CONCERN. THESE VALUES ARE DETERMINED VIA PROCEDURES
- ESTABLISHED IN THE IES TM-21-11 DOCUMENT. LIGHT LEVELS ON THIS PHOTOMETRIC PLAN ARE CALCULATED WITH A LLF=.8 PER THE REQUEST OF OTHERS.
- THE EXTERIOR LIGHTING DESIGN DEPICTED ON THIS PHOTOMETRIC PLAN COMPLIES WITH THE REQUIREMENTS OF THE NAPERVILLE M SECTION 6-14-4:3.7.2 AS UNDERSTOOD BY CASEY'S.

OMETRIC PLAN MUNICIPAL CODE		49	SE	≣	10
		50	SE	Ξ	10
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			·		
EOOTCANDLE LEVELS CALCULATED AT CDAD	ELISING INITIAL LLIMEN VALLIE	- 0			
FOOTCANDLE LEVELS CALCULATED AT GRAD	E USING INITIAL LUMEN VALUE	ES		_	
FOOTCANDLE LEVELS CALCULATED AT GRAD	E USING INITIAL LUMEN VALUE	MAX	MIN	AVG/MIN	MAX/MIN
			MIN 0.6	AVG/MIN 3.73	MAX/MIN 12.00
LABEL	AVG	MAX			
LABEL PAVED AREA	AVG 2.24	MAX 7.2	0.6	3.73	12.00

LUMINAIRE S	CHEDULE									
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	5	A4	SINGLE	7565	0.800	B2-U0-G2	66	330	Cree Inc.	ARE-EDG-4M-DA-06-E-UL-BZ-350
D	1	A4B	SINGLE	5698	0.800	B1-U0-G2	66	66	CREE, INC.	ARE-EDG-4MB-DA-06-E-UL-BZ-350
P	24	С	SINGLE	8475	0.800	B3-U0-G1	53	1272	Cree Lighting	CPY250-C-8L-57K7-F-UL-DM-XX
\triangleright	5	SE	SINGLE	3902	0.800	B2-U0-G0	34	170	CREE, INC.	SFT-228-PS-RM-03-E-UL-BZ-350-IC
	14	W	SINGLE	2220	0.800	B1-U0-G1	25	350	CREE, INC.	SEC-EDG-2M-WM-02-E-UL-BZ-350



1340 Kemper Meadow Dr, Forest Park, OH 45240 513-574-9500 | redleonard.com

DESCRIPTION ADD NOTES PER COMMENTS. ADJUST LLF PER COMMENTS. REWORK BUILDING LIGHTING TO MATCH ELEVATION DRAWINGS. REVISE NOTES PER COMMENTS

PROPERTY LINE

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SCALE: LAYOUT BY: 1" = 30' BJM DWG SIZE: DATE: D 5/07/21

CASEY'S #6533 NAPERVILLE, IL RL-7345-S1-R2

LUMINAIRE LOCATION SUMMARY

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A4

A4B

MTG. HT.

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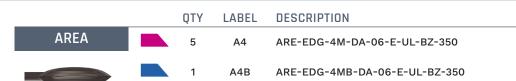
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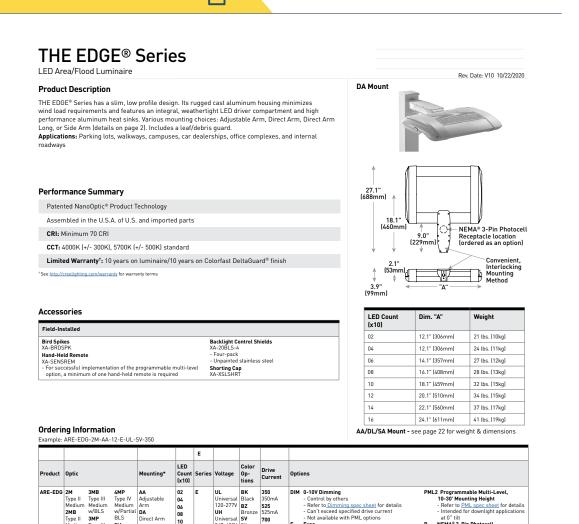








ADDITIONAL FIXTURE INFO





CREE 🕏 LIGHTING

THE EDGE® LED Area/Flood Luminaire

US: creelighting.com [800] 236-6800 Canada: creelighting-canada.com [800] 473-1234

Product Specifications CONSTRUCTION & MATERIALS

c UL) us

Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks

 DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" [76-152mm] square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" [51 mm] centers AA and SA mounts are rugged die cast aluminum and mount to 2" [51mm] IP, 2.375" (60mm) 0.D. tenons

 Includes leaf/debris guard Exclusive Coorfast DettaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available

Weight: See Dimensions and Weight Charts on pages 1 and 22

 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 DA and DL mounts designed with integral weathertight el with terminal strips (12Ga–20Ga) for easy power hookup

 Integral 10kV surge suppression protection standard When code dictates fusing, a slow blow fuse or type C/D breaker should
 be used to address incush current. Maximium 10V Source Current: 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS

 Suitable for wet locations Enclosure rated IP66 per IEC 60529 when ordered without P or R options

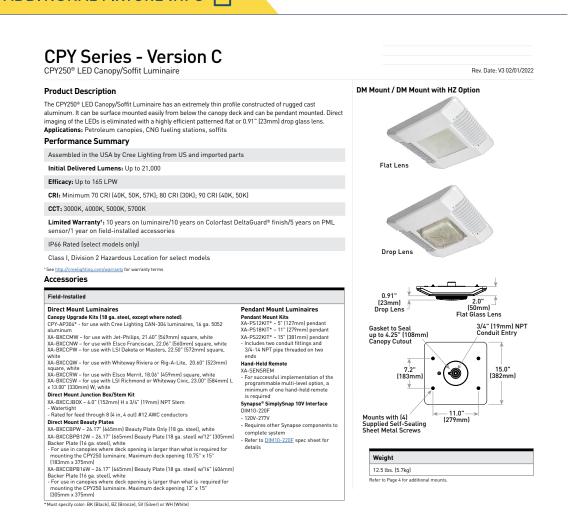
Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards when ordered with AA, DA and DL mounts

standards when ordered with AA, DA and DL mounts							
 ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2 	THE EDGE	Series Ambient	Adjuste	d Lumen Mai	ntenance ¹		
Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions	Ambient	сст	Initial LMF	25K hr Reported ²	50K hr Reported ²	75K hr Estimated ³	100K hr Estimat
 Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117 				LMF	LMF	LMF	LMF
DLC qualified with select SKUs. Refer to https://www.designlights.org/search/ for most current information	5°C (41°F)	30K/40K/50K/57K	1.04	1.01	0.99	0.98	0.96
Meets Buy American requirements within ARRA	0 0 (41 1)	TRL	1.06	1.06	1.06	1.06	1.06
CA RESIDENTS WARNING: Cancer and Reproductive Harm – www.p65warnings.ca.gov	10°C (50°F)	30K/40K/50K/57K	1.03	1.00	0.98	0.97	0.95
	10 C (50 F)	TRL	1.04	1.04	1.04	1.04	1.04
	15°C (59°F)	30K/40K/50K/57K	1.02	0.99	0.97	0.96	0.94
	15 C (59 F)	TRL	1.03	1.03	1.03	1.03	1.03
	20°C (68°F)	30K/40K/50K/57K	1.01	0.98	0.96	0.95	0.93
	20 C (66 F)	TRL	1.01	1.01	1.01	1.01	1.01
	0500 (8805)	30K/40K/50K/57K	1.00	0.97	0.95	0.94	0.92
	25°C (77°F)	TRL	1.00	1.00	1.00	1.00	1.00
	package and in-s maintenance fact conditions.	nance values at 25°C (77 vitu luminaire testing. Lutors. Please refer to the	ıminaire an <u>Temperatu</u>	bient temperatur re Zone Reference	e factors (LATF) Document for o	have been applied utdoor average ni	to all lume ighttime am

Electrical Data*

CREE \$ LIGHTING US: creelighting.com (800) 236-6800 Canada: creelighting-canada.com [800] 473-1234

ADDITIONAL FIXTURE INFO



		mation -13L-57K7-D-	-UL-DM-SV					
CPY250	С							Ī
Product	Version	Lumen Package*	CCT/CRI	Optic	Voltage	Mounting	Color Options	
	_				l		- nu	

CPY250	С								
Product	Version	Lumen Package*	CCT/CRI	Optic	Voltage	Mounting	Color Options	Controls	Options
CPY250	С	2L 2,000 Lumens 4L 4,000 Lumens 8L 8,000 Lumens 13L 13,000 Lumens 21L 21,000 Lumens	30K8 3000K, 80 CRI 40K7 4000K, 70 CRI 4000K, 90 CRI 50K7 5000K, 70 CRI 50K9 5000K, 90 CRI 57K7 5700K, 70 CRI	D 0.91" (23mm) Drop Lens F Flat Lens	UL Universal 120- 277V UH Universal 347- 480V - Available only in 4L-21L lumen packages	DM Direct HC Hook & Cord PD Pendant H6 Car Wash	BK Black BZ Bronze SV Silver WH White	BLANK Non-Dimming 10V 0-10V Dimming - Control by others - Refer to <u>Dimming spec sheet</u> for details PML Programmable Multi-Level - Available with UL voltage only - Refer to <u>PML spec sheet</u> for details	10KV 10kV/5kA Surge Suppression - Replaces standard «K/73kA surge suppression - Not for use with PML as PML option includes 10kV surge as standard HZ Class I, Div. 2 Hazardous Location Certification - Available with DM and PD mounts only - Not available with DML control or K option K NSF 2 Certification - Luminaires include NSF certification mark - Suitable for DM mount only - Not available with PML control or HZ option



CREE ♦ LIGHTING

CPY250® LED Canopy/Soffit Luminaire - Version C

Product Specifications	
CONSTRUCTION & MATERIALS	

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 luminaire mounts directly to the canopy deck with the drilling of a single 2" to 4" [51 mm to 102 mm] round hole, is secured in place with self-sealing screws that provide a weathertight seal and includes 3/4" [19 mm] 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)

 Hazardous location pendant mount has a threaded hub which accepts 3/4" NPT conduit (by others) and secures with a 1/4"-20 set screw H6 mount includes cable gland with 3'(0,91m) cord out of the luminaire and is intended to hang from the single hook
Exclusive Colorfast DeltaGuard* finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and white are available.

• Weight: 12.5 lbs. (5.7kg) ELECTRICAL SYSTEM Input Voltage: 120-277V or 347-480V, 50/60Hz Power Factor: > 0.9 at full load
 Total Harmonic Distortion: < 20% at full load

 Integral 6kV/3kA surge suppression protection standard; 10kV/5kA surge suppression protection optional When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current CONTROLS

10V option provides continuous dimming to 10% with 0-10V DC control protocol

Maximum 10V Source Current: 1mA Use only lighting controls with neutral connection or controls intended for use with LED fixtures

Reference LED Dimming spec sheet for additional dimming information

REGULATORY & VOLUNTARY QUALIFICATIONS . Suitable for wet locations when ordered with DM, DM mount w/HZ option, PD Suitable for damp locations when ordered with HC and PD mounts. Designed for indoor use only

 Enclosure meets IP66 requirements per IEC 60529 when ordered with DM and H6 mounts ANSI C136.2 6kV/3kA (standard) and 10kV/5kA (optional) surge protection, tested in accordance with IEEE/ANSI C62.41.2. PML option includes 10kV surge protection Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions.

 Meets Buy American requirements within ARRA · RoHS compliant. Consult factory for additional details Class I, Division 2 Hazardous Location rated when ordered with the DM or PD mount and the HZ option. Not available with K or PML options. Rated for Groups A, B, C & D. Bears a T3C [160°C] temperature classification within a 25°C ambient NSF Certified when ordered with DM mount and K option. Not available with HZ or PML options. Refer to http://info.nsf.org/Certified/Food/ for additional

 Dark Sky Friendly, IDA Approved when ordered with 30K CCT and Flat Lens [F]. Please refer to https://www.darksky.org/our-work/lighting/lighting-for-industry/isa/tsa-products/ for most current information CA RESIDENTS WARNING: Cancer and Reproductive Harm –
 WARN

US: creelighting.com T (800) 236-6800 Canada: creelighting-canada.com T (800) 473-1234

Electrical D)ata*						
Lumen	System Watts	Total Cu	ırrent (A)				
Package	120-480V**	120V	208V	240V	277V	347V	480V
2L	14	0.11	0.07	0.06	0.05	N/A	N/A
4L	31	0.26	0.15	0.13	0.11	0.09	0.07
8L	53	0.45	0.26	0.22	0.19	0.15	0.11
13L	86	0.73	0.42	0.36	0.32	0.25	0.19
21L	132	1.13	0.64	0.56	0.49	0.38	0.28
Electrical data at	25°C (77°F). Actual wattage may	differ by +/-	10% when o	perating bet	veen 120-27	7V or 347-48	80V +/- 10

Ambient	Luminaire Mounting Surface	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Estimated ³ LMF	100K hr Estimate LMF
5°C	2L-13L Plywood/ 2L-21L Metal	1.02	0.99	0.96	0.94	0.92
(41°F)	21L Plywood	1.02	0.99	0.96	0.93	0.90
10°C	2L-13L Plywood/ 2L-21L Metal	1.02	0.98	0.96	0.93	0.91
(50°F)	21L Plywood	1.02	0.98	0.95	0.92	0.90
15°C	2L-13L Plywood/ 2L-21L Metal	1.01	0.98	0.95	0.93	0.91
(59°F)	21L Plywood	1.01	0.98	0.95	0.92	0.89
20°C	2L-13L Plywood/ 2L-21L Metal	1.01	0.97	0.95	0.92	0.90
(68°F)	21L Plywood	1.01	0.97	0.94	0.91	0.89
25°C	2L-13L Plywood/ 2L-21L Metal	1.00	0.97	0.94	0.92	0.90
(77°F)	21L Plywood	1.00	0.96	0.94	0.91	0.88
30°C	2L-13L Plywood/ 2L-21L Metal	0.99	0.96	0.94	0.91	0.89
(86°F)	21L Plywood	0.99	0.96	0.93	0.90	0.87
35°C	2L-13L Plywood/ 2L-21L Metal	0.99	0.95	0.93	0.91	0.88
(95°F)	21L Plywood	0.99	0.93	0.89	0.84	0.80
40°C (104°F)	2L-13L Plywood/ 2L-21L Metal	0.98	0.95	0.92	0.90	0.88
45°C (113°F)	2L-4L Plywood/ 2L-13L Metal	0.98	0.93	0.89	0.86	0.82
50°C (122°F)	2L-4L Metal	0.97	0.90	0.84	0.78	0.73

Lumen	Direct Mount to	Direct Mount to Sheet	Class 1, Division	2 Hazardous Lo
Package	Plywood	Metal/Suspended	Direct Mount to Plywood	Direct Mount to Metal/Suspend
2L	-40°C to +45°C	-40°C to +50°C		
4L	-40°C to +45°C	-40°C to +50°C		
8L	-40°C to +40°C	-40°C to +45°C	-40°C to +25°C	
13L	-40°C to +40°C	-40°C to +45°C		
21L	-40°C to +35°C	-40°C to +40°C		

CREE
LIGHTING

ADDITIONAL FIXTURE INFO

228 Series™ LED Soffit Luminaire – IC Rated Rev. Date: V2 04/23/2020 Product Description RM Mount High performance energy-efficient LED down light designed for use in new construction or remodel applications where there is direct contact with insulation. The recessed mount is for use in drywall, plywood or hard lid ceilings with 16" [406mm] to 24" [610mm] on center building construction. Heavy gauge steel recessed mounting frame features 1.5" [38mm] deep aperture throat to accommodate most standard ceiling thicknesses, and a universal mounting bracket that accepts 0.5" [13mm] EMT conduit, C-channel mounting bars or flat bar hangers with 5" [127mm] vertical adjustment from either above or helpow the reliain. An oversized function byte, is listed for sight #12 (AWG feat through wires. The above or below the ceiling. An oversized junction box is listed for eight #12 AWG feed through wires. The recessed remodel mount is entirely supported by the ceiling material and is designed to accept ceilit thickness from 0.375" [10mm] to 2.25" [57mm] and is an ideal replacement for recessed 12" [305mm] square HID luminaires. **Applications:** Petroleum canopies, soffits, indoor retail or industrial spaces D= 5 Performance Summary Patented NanoOptic® Product Technology Assembled in the U.S.A. of U.S. and imported parts CRI: Minimum 70 CRI CCT: 4000K (+/- 300K), 5700K (+/- 500K) standard Limited Warranty[†]: 10 years on luminaire/10 years on Colorfast DeltaGuard® finish 18.4" (468mm) See http://creelighting.com/warranty for warranty terms 14.4" (364mm) 9.3" (237mm) XA-MC30 - Pair of 30" [762mm] rigid 3/4" x 1/2" [19mm x 13mm] galvanized C-Channel bars 11.3" (287mm) LED Count (x10) Weight

•	nformation 228-SL-RM-03-E-UL-WH	-350				F	R Mount - see	page 3 for weight & dimensions
SFT-228			03	E			350	IC
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
SFT-228	SL Sparkle Petroleum PS Petroleum Symmetric	RM Recessed RR Recessed Remodel	03	E	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze WH White	350 350mA	IC IC Rated 40K 4000K Color Temperature - Color temperature per luminaire - Minimum 70 CRI





228 Series™ LED Soffit Luminaire – IC Rated

US: creelighting.com (800) 236-6800 Canada: creelighting-canada.com (800) 4

Product Specifications CONSTRUCTION & MATERIALS Luminaire sides are rugged die cast aluminum with high performanc extruded aluminum heat sinks specifically designed for high power LEDs, factory assembled to the trim and wired to the driver Driver compartment is constructed of anodized extruded aluminum for exceptional thermal performance

 Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy nrimer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze and white • Weight: See Weight Chart on pages 1 and 3

RM

High performance energy-efficient LED down light, designed for use in new construction applications with drywall, plywood or hard lid ceilings and 16° [406mm] to 24° [410mm] on center building construction

Heavy gauge steel recessed mounting frame features 1.5° [38mm] deep aperture throat to accommodate most standard ceiling thicknesses, and a universal mounting bracket that accepts 0.5° [18mm] EMT conduit, C-channel mounting bars or flat bar hangers with 5° [127mm] vertical adjustment from either above or below the ceiling includes an oversized junction box is listed for eight #12 AWG feed through wires

 High performance energy-efficient LED down light, designed for remodel application Entirely supported by the ceiling material and is designed to fit through 12" (305mm) x 12" (305mm) opening
 Accepts ceiling thicknesses from 0.375" (10mm) to 2.25" (57mm) An ideal replacement for 12" (305mm) x 12" (305mm) recessed HID

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

 To address inrush current, slow blow fuse or type C/D breaker should REGULATORY & VOLUNTARY QUALIFICATIONS

 Suitable for wet locations under covered ceilings Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated . Consult factory for CE Certified products ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117 Type IC in accordance with Article 410 of the NEC and UL 1598, suitable for direct contact with insulation RM mount listed for eight #12 AWG, 75°C rated through branch circuit

 Meets Buy American requirements within ARRA CA RESIDENTS WARNING: Cancer and Reproductive Harm -

US: creelighting.com [800] 236-6800 Canada: creelighting-canada.com [800] 473-1234

Electrical [Data*						
		Total Cu	irrent				
LED Count (x10)	System Watts 120-480V	120V	208V	240V	277V	347V	480V

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

Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Estimated ³ LMF	100K hr Estimated ³ LMF
5°C (41°F)	1.04	1.01	0.99	0.98	0.96
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.96	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C (77°F)	1.00	0.97	0.95	0.94	0.92
Lumen maintenance on sheet metal. Lumi Please refer to the Te In accordance with IE within six times (6X) t packaged LED chip) In accordance with IE LM-80-08 total test di	naire ambient tempe mperature Zone Ref SNA TM-21-11, Proj he IESNA LM-80-08 SNA TM-21-11, Calc	rature factors (LATF erence Document fo ected Values represe total test duration (i ulated Values repres	F) have been applied r outdoor average n ent interpolated valu n hours) for the devi sent time durations	to all lumen mainte ighttime ambient co te based on time du ce under testing (DU that exceed six time	nance factors. nditions rations that are JT) i.e. the

ADDITIONAL FIXTURE INFO

	dge® Series						
Product Descrip				Rev. Date: V6 08/29/201			
The Cree Edge® wal made from rugged o performance alumin aluminum. Includes J-Boxes. Secures to sides and rear. Allov through-wiring. Incl	I mount luminaire has a slim, low profile die cast aluminum with integral, weather num heat sinks specifically designed for a lightweight mounting box for installat! wall with four 3/16" (5mm) screws (by o ws mounting for uplight or downlight. De udes leal/debris guard. al area and security lighting						
Performance Su	ımmary		Î				
Patented NanoOp	otic® Product Technology		"				
Assembled in the	U.S.A. of U.S. and imported parts		18.3"				
CRI: Minimum 70	CRI		(464mm)	ال ـــ ^ر			
CCT: 4000K (+/- 3	800K), 5700K (+/- 500K) standard		"		1 1/		
Limited Warrant	yt: 10 years on luminaire/10 years on Co	lorfast DeltaGuard® finish			⊣ 1/1		
*See http://creelighting.com	n/warranty for warranty terms		\				
Accessories			4.1" (104mm)				
Field-Installed			×	"A" —	→		
Bird Spikes XA-BRDSPK	Beauty Plate WM-PLT12** - 12" (305mm) Square WM-PLT14** - 14" (356mm) Square	Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum	LED Count (x10)	Dim. "A"	Weight		
	 Covers holes left by incumbent wall packs 	of one hand-held remote is required	02	9.9" (251mm)	20 lbs. (9.1kg)		
"Must specify color			04	11.9" (303mm)	22 lbs. [10.0kg]		
			06	13.9" (353mm)	25 lbs. [11.3kg]		
			08	15.9" (404mm)	27 lbs. [12.2kg]		
			10	17.9" (455mm)	31 lbs. [14.1kg]		
			12	19.9" (505mm)	32 lbs. (14.5kg)		

SEC-EDG		WM		E				
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
SEC-EDG	2M Type II Medium 2MB 2MB 1ype II Medium w/BLS 2S 1ype II Short w/BLS 3M 1ype II Short w/BLS 3M 1ype II Medium 3MB 1ype II Medium 4MB 1ype IV Medium 4MB 1ype IV Medium 4MB 1ype IV Medium w/BLS 4M 1ype IV Medium 4MB 1ype IV Medium w/BLS	WM Wall Mount	02 04 06 08 10 12	E	UL Universal 120-277V UH Universal 347-480V 34 3477	BK Black BZ Bronze SV Silver WH White	350 350mA 525 525mA -Available with 20-80 LEDs 700 700mA -Available with 20-60 LEDs	DIM 0-10V Dimming - Control by others - Refer to Dimmine spec sheet for details - Can't exceed specified drive current - Not available with PML option P Notocell - Must specify UL or 34 voltage PML Programmable Multi-Level tails - Intended for downlight supplications with 0° titl 40K 4000K Cotor Temperature - Minimum 70 CRI - Color temperature per luminaire

Electrical Data*



CREE
LIGHTING

LED Count (x10) System Watts 120-480V 120V 208V 240V 277V 347V 480V

25 0.21 0.13 0.11 0.10 0.08 0.07
46 0.36 0.23 0.21 0.20 0.15 0.12
66 0.52 0.31 0.28 0.26 0.20 0.15
90 0.75 0.44 0.38 0.34 0.26 0.20
110 0.92 0.53 0.47 0.41 0.32 0.24

130 1.10 0.63 0.55 0.48 0.38 0.28

 37
 0.30
 0.19
 0.17
 0.16
 0.12
 0.10

 70
 0.58
 0.34
 0.31
 0.28
 0.21
 0.16

101 0.84 0.49 0.43 0.38 0.30 0.22

133 1.13 0.66 0.58 0.51 0.39 0.28

Cree Edge® LED Security Wall Pack Luminaire

Product Specifications
CONSTRUCTION & MATERIALS
Slim, low profile design
Luminaire sides are rugged die cast aluminum with integral.

weathertight LED driver compartment and high performance aluminum heat sinks specifically designed for LED applications Housing is rugged aluminum Furnished with low copper, light weight mounting box designed for installation over standard 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 · Allows mounting for uplight or downlight Designed and approved for easy through-wiring

 Includes leaf/debris quard 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

**Total Control of the Control of • Weight: See Dimensions and Weight Chart on page 1

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 weathertight J-Box with leads (wire nuts) for easy power hook

 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

Maximum 10V Source Current: 20 LED (350mA): 10mA; 20LED (525 & 700 mA) and 40-120 LED: 0.15mA REGULATORY & VOLUNTARY QUALIFICATIONS Suitable for wet locations

 Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated Enclosure rated IP66 per IEC 60529 when ordered without P or PML

 ANSI C136.2 10kV 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 · DLC qualified with select SKUs. Refer to https://www.designlights.org/search/ for most current information
 Meets Buy American requirements within ARRA

CA RESIDENTS WARNING: Cancer and Reproductive Harm – www.p65warnings.ca.gov

 50
 0.41
 0.25
 0.22
 0.20
 0.15
 0.12

 93
 0.78
 0.46
 0.40
 0.36
 0.27
 0.20

 134
 1.14
 0.65
 0.57
 0.50
 0.39
 0.29
 * Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V Cree Edge® Series Ambient Adjusted Lumen Maintenance¹ Initial 25K hr 50K hr 75K hr 100K hr

Ambient	LMF	Reported ² LMF	Reported ² LMF	Estimated ³ LMF	Estimated ³ LMF
5°C (41°F)	1.04	1.01	0.99	0.98	0.96
10°C (50°F)	1.03	1.00	0.98	0.97	0.95
15°C (59°F)	1.02	0.99	0.97	0.96	0.94
20°C (68°F)	1.01	0.98	0.96	0.95	0.93
25°C (77°F)	1.00	0.97	0.95	0.94	0.92
1	10°C (50°F) 15°C (59°F) 20°C (68°F)	1.03 1.03 1.02 1.02 1.01 1.01	1.01 1.01 1.01 1.01 1.01 1.01 1.00 1.00	1.01 0.99 10°C (50°F) 1.03 1.00 0.98 15°C (59°F) 1.02 0.99 0.97 10°C (68°F) 1.01 0.98 0.96	1.04 1.01 0.99 0.98 0.97 0.5°C (41°F) 1.03 1.00 0.98 0.97 0.96 0.97 0.96 0.97 0.96 0.97 0.96 0.97 0.96 0.97 0.96 0.97 0.96 0.97 0.96 0.95 0.96 0.95

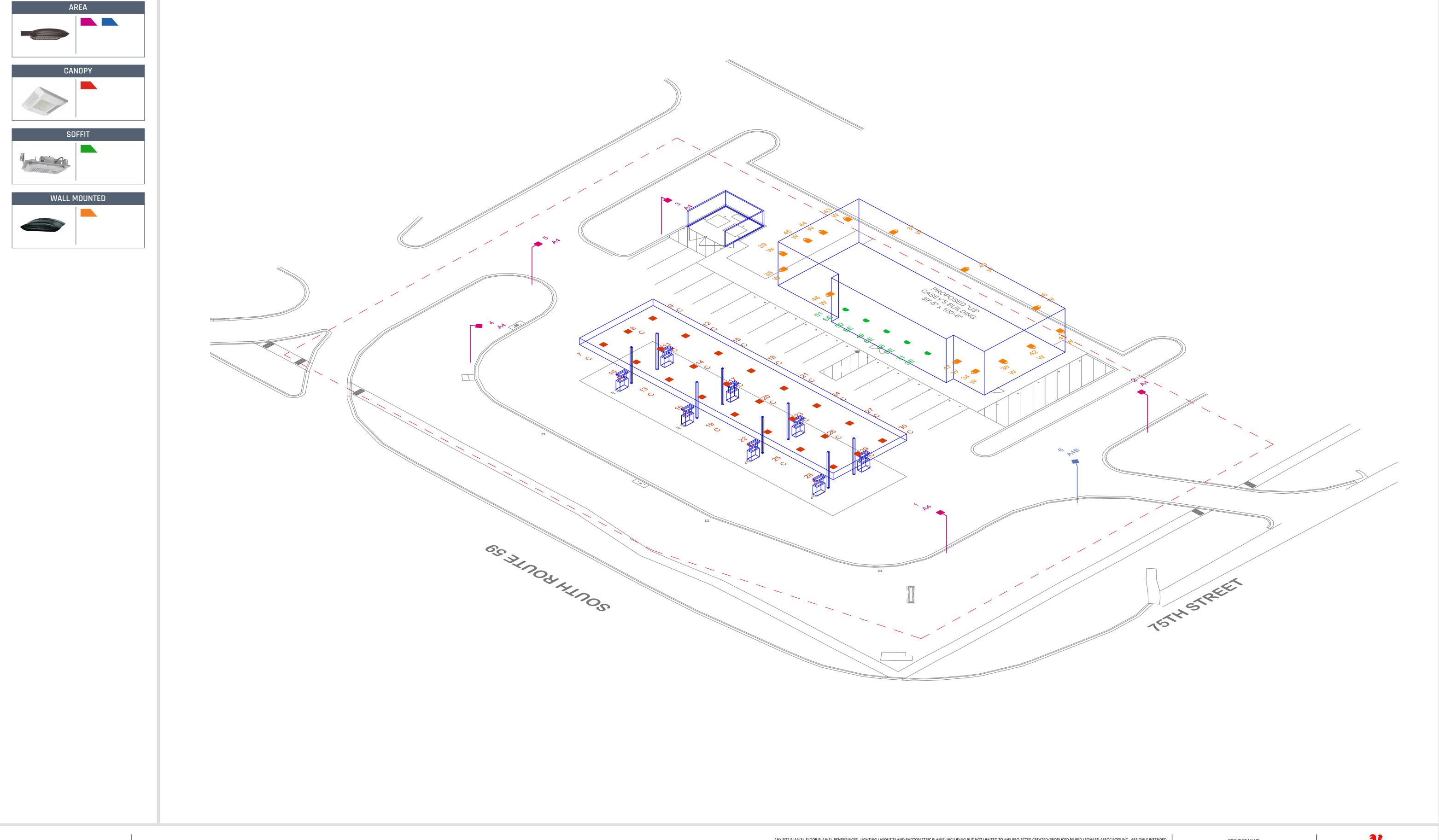
CREE \$\(\dagge\) LIGHTING

US: <u>creelighting.com</u> [800] 236-6800 Canada: creelighting-canada.com [800] 473-1234

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PROJECT NAME:
CASEY'S #6533
NAPERVILLE, IL
DRAWING NUMBER:
RL-7345-S1-R2



