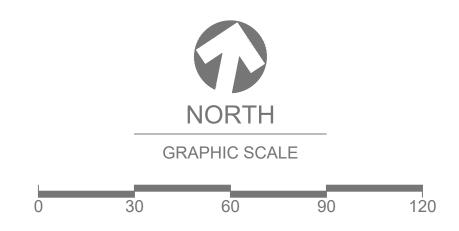


LUMINAIRE LO	DCATION SUMM	ARY	
LUM NO.	LABEL	MTG. HT.	TILT
1 - 12	Α	18.79	5
13 - 24	Α	17.83	5
25	В	1	170
26 - 39	С	3	0
40, 41	D	9.33	0
42 - 46	D	12	0
47 - 58	E	12	0
59 - 67	F	23	0
68	G	23	0
69 - 74	Н	23	0
75 - 85	J	11.33	0
86 - 122	K	20.875	0
123 - 159	K	18.06	0
160	K	18.25	5
161	K	18.599	5
162	K	18.948	5
163	K	19.297	5
164	K	19.646	5
165	K	19.995	5
166	K	20.344	5
167	K	20.693	5
168	K	18.25	5
169	K	18.599	5
170	K	18.948	5
171	K	19.297	5
172	K	19.646	5
173	K	19.995	5
174	K	20.344	5
175	K	20.693	5

- ALL AREA LIGHTS ON NEW 20 FT. POLE MOUNTED ON 3 FT. CONCRETE BASE

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INITIAL LUMEN VALUES						
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN	
SITE PAVED AREA	4.39	24.8	1.0	4.39	24.80	
UNDEFINED	0.54	7.3	0.0	N.A.	N.A.	
UNDER CANOPY	39.55	53	22	1.80	2.41	



LUMINAIRE SCH	EDULE									
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
→	24	A	SINGLE	11213	1.020	B3-U0-G0	99	2376	CREE, INC.	CAN-228-PS-RM-06-E-UL-XX-525-57K
	1	В	SINGLE	11950	1.020	B4-U0-G0	72	72	CREE, INC.	OSQ-ML-B-AA-XX w/PGM-1 + OSQM-B-11L-57K7-N3-UL-NM-XX
\odot	14	С	SINGLE	1441	1.020	B1-U0-G1	22	308	CREE, INC.	PWY-EDG-3M-P3-02-E-UL-XX-350-57K
>	7	D	SINGLE	2947	1.020	B1-U0-G1	36	252	CREE, INC.	SEC-EDG-3M-WM-02-E-UL-XX-525
>	12	E	SINGLE	5893	1.020	B2-U0-G2	68	816	CREE, INC.	SEC-EDG-3M-WM-04-E-UL-XX-525
	9	F	SINGLE	11648	1.020	B2-U0-G2	86	774	CREE, INC.	OSQ-DAXX + OSQ-A-NM-4ME-B-57K-UL-XX
*	1	G	2 @ 90 DEGREES	11648	1.020	B2-U0-G2	86	172	CREE, INC.	OSQ-DAXX + OSQ-A-NM-4ME-B-57K-UL-XX
	6	Н	SINGLE	8950	1.020	B1-U0-G2	86	516	CREE, INC.	OSQ-DAXX + OSQ-A-NM-4ME-B-57K-UL-XX w_OSQ-BLSMF
\odot	11	J	SINGLE	484	1.000	N.A.	6.9	75.9	B-K LIGHTING, INC.	BKLT CH-LED-e69-FL-BZP-12 (BY OTHERS)
	90	К	SINGLE	136	1.000	N.A.	4.12	370.8	BLAIR COMPANIES	LINEAR STRIP LIGHT (BY OTHERS, SHOWN FOR CONTRIBUTION)

REDLEONARD ASSOCIATES

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

DESCRIPTION

REVISED PER UPDATED BASE PLAN AND CANOPY DESIGN (WITH EYEBROW LIGHTING BY OTHERS, SHOWN FOR CONTRIBUTION)

DISCLAIMER

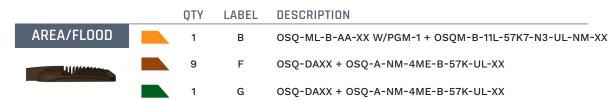
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SCALE: LAYOUT BY: 1" = 30' DAR DWG SIZE: DATE: 6/18/20 D

PROJECT NAME: SHEETZ CHAPEL HILL, NC RL-6830-S1-R1



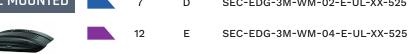




H OSQ-DAXX + OSQ-A-NM-4ME-B-57K-UL-XX W_OSQ-BLSMF







ADDITIONAL FIXTURE INFO



Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
CAN-228	5M Type V Medium SL Sparkle Petroleum PS Petroleum Symmetric	RM Recessed	03 - Available with SL optic only 06 09	E	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	350A 350MA - Available with 90 LEDs only 525 525mA 700° 700mA	DIM 0-10V Di - Contro - Refer t - Can't e PML Program - Refer t 40K 4000K C - Color t - Minimi

Electrical Data*

c UL us III US: creelighting.com [800] 236-6800 Canada: creelighting-canada.com [800] 473-1234

CREE
LIGHTING

0.83 0.48 0.42 0.38 0.29 0.22

54 0.45 0.28 0.25 0.23 0.16 0.12

99 0.83 0.48 0.42 0.38 0.29 0.22 155 1.32 0.76 0.68 0.61 0.45 0.34

70 0.58 0.35 0.31 0.28 0.21 0.16

201 1.64 0.96 0.84 0.75 0.59 0.44

228 Series™ Ambient Adjusted Lumen Maintenance¹

228 Series™ LED Recessed Canopy Luminaire

Product Specifications

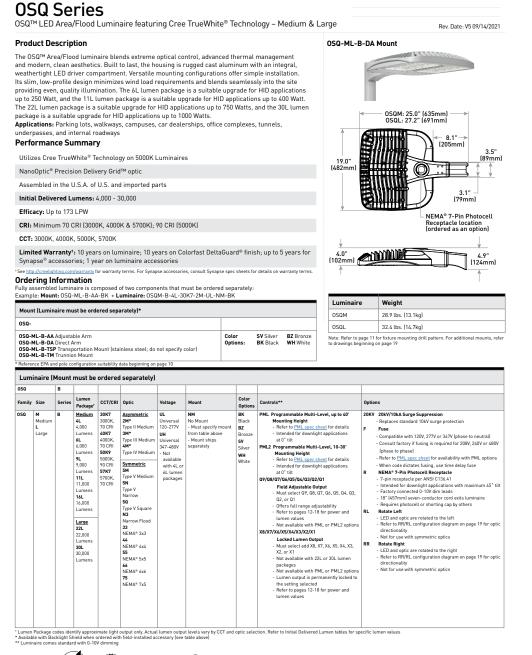
CONSTRUCTION & MATERIALS Slim, low profile, easy mounting from below or above the deck Luminaire sides are rugged cast aluminum with high performance extruded aluminum heat sink specifically designed for LED

- Luminaire mounts directly to the canopy deck and is secured in place with compression molded trim frame Luminaire is provided with factory applied foam gasket and provides for a weathertight seal between luminaire housing and canopy deck
- Suitable for single or double skin canopies with 12" (305mm) or 16" (406mm) wide panels. Designed for canopies of 16-22 gauge (maximum 0.065" [1.65mm] thickness)
- Integral weathertight junction box with 4.5" (114mm) IP threaded connection points. Rated for feed through 8 (4 in, 4 out) #12 AWG Below ceiling serviceable driver tray for ease of upgrade or replacement
- Field adjustable drive current. Can't exceed drive current specified in part number. Exception is 90 LEDs at 350mA which can be adjusted to 525mA 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,
- 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
- Maximum 10V Source Current: 30-60 LED: 0.15mA; 90 LED: 0.30mA
- 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

- Lumin elevate

REGULATORY & VOLUNTARY QUALIFICATIONS					
cULus Listed	5°C (41°F)	1.04	1.01	0.99	0.98
Suitable for wet locations Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated	10°C (50°F)	1.03	1.00	0.98	0.97
emissions • ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI	15°C (59°F)	1.02	0.99	0.97	0.96
C62.41.2 • Luminaire and finish endurance tested to withstand 5,000 hours of	20°C (68°F)	1.01	0.98	0.96	0.95
elevated ambient salt fog conditions as defined in ASTM Standard B 117 • Meets Buy American requirements within ARRA	25°C (77°F)	1.00	0.97	0.95	0.94
DLC qualified with select SKUs. Refer to https://www.designlights.org/search/ for most current information	package and in	-situ luminaire testin	g. Luminaire ambient	d per IES TM-21 based t temperature factors ne Reference Docume	(LATF) have been
CA RESIDENTS WARNING: Cancer and Reproductive Harm – www.p65warnings.ca.gov	the tested dura	tion in the IES LM-80	report for the LED.	t interpolated values b	
	* Estimated valu	es are calculated and	I represent time dura	tions that exceed the	6x test duration of

ADDITIONAL FIXTURE INFO



Product Specifications

table for 120-480V (UL and UH) voltage quires NEMA/ANSI C136.41 7-Pin Dimming

nionitoring or uminiaire
Refer to TL7-HVG spec sheet for details
SimplySNAP Central Base Station
CBSSW-450-002
Includes On-Site Controller (SS450-002) and
Solution could be seen to the controller (SS450-002).



CREE ♦ LIGHTING

- Refer to WSN-DPM spec sheet for details SimplySNAP On-Site Controller SS450-002 - Verizon* LTE-enabled - Designed for indoor applications

(Optional, for increased range, 8dB gain) KIT-ANT420SM

- Kit includes antenna, 30' cable and bracket KIT-ANT600

enna, 20' cable and bracke

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

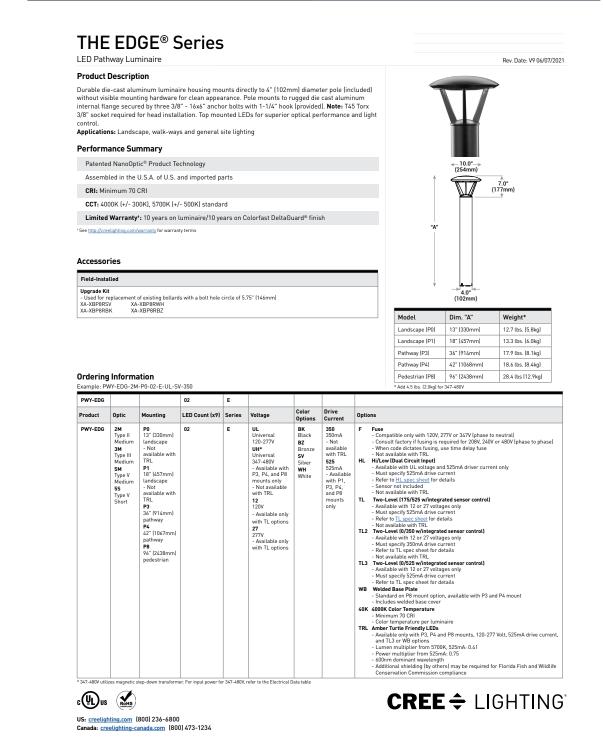
Product Specifications
CREE TRUEWHITE® TECHNOLOGY
A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90 + CRI, beautiful light

- 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. Mounting adaptor is rugged die cast aluminum and mounts to 3° [76mm] or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2° [51mm] centers. Refer to page 11 for fixture mounting difficultion.
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) 0.D. tenon. Adjustable arm mount can be adjusted 180° in 2.5° increments. Transportation mount is constructed of 316 stainless steel and mounts to surface with [4] 3/8" fasteners by others
- Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180° in 15° degree increments. Trunnion mount secures to surface with [1] 3/4° bolt or [2] 1/2° or 3/8° bolt or Luminaires ordered with NM mount include 18" (340mm) 18/5 or 16/5 cord exiting the luminaire; when combined with R option, 18" (340mm) 18/7 or 16/7 cord is provided Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- ELECTRICAL SYSTEM
 Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers
 Power Factors > 0, 9 at full load
 Total Harmonic Distortion: < 20% at full load Integral 10kV surge suppression protection standard; 20kV surge suppression protection
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
 Designed with 0-10V dimming capabilities. Controls by others
 Refer to Dimming spec sheet for details Maximum 10V Source Current: 1.0mA

Operating Temperature Range: -40°C - +40°C (-40°F - +104°F) REGULATORY & VOLUNTARY QUALIFICATIONS

- CULus Listed (UL.1598)
 Suitable for wet locations
 Meets NeMA C82.77 standards
 Drivers and LEDs are UL. Recognized in accordance with UL8750
 Enclosure radel 1966 per 1EC 08529 when ordered without R option
 Consult factory for CE Certified products
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards ANSI C136.2 10kV (standard) and 20kV (optional) surge suppression protection tested in accordance with IEEE/ANSI C62.41.2 Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117 tog conditions as defined in As IM Standard B II 7
 Meets Buy American requirems within ARRA
 RoHS compliant. Consult factory for additional details
 Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct or
 mounts only. Please refer to hittps://www.dr.kky.org/our-work/lightling/lig
 industry/fsa/isa-products/ for most current information
- th IES TM-21, Reported values represent interpolated values based or I duration in the IES LM-80 report for the LED.

ADDITIONAL FIXTURE INFO



| System | System | Watts | Watts | 120-277V | 347-480V | 120V | 208V | 240V | 277V | 347V | 480V |

22 28 0.18 0.12 0.10 0.10 0.09 0.13

02 34 40 0.29 0.19 0.17 0.15 0.12 0.13 * Electrical data at 25°C [77°F]. Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V -/- 10%

S*C (41*F) TRL 1.06 1.06 1.06 1.06 1.06

40K/57K 1.03 1.00 0.98 0.97 0.95

40K/57K 1.01 0.98 0.96 0.95 0.93 20°C (68°F) TRL 1.01 1.01 1.01 1.01 1.01

TRL 1.00 1.00 1.00 1.00 1.00 1.00 1.00

accordance with IES TM-21, Reported values represent interpolated values based on time durations that are to 6x the tested duration in the IES LM-80 report for the LED.

40K/57K 1.04 1.01

Electrical Data*

Product Specifications CONSTRUCTION & MATERIALS

THE EDGE® LED Pathway Luminaire

- Pole mounts to rugged die cast aluminum internal flange secured by three 3/8"-16x6" anchor bolts with 1-1/4" hook(provided). Note: T45 Torx 3/8" socket required for head installation Top mounted LEDs for superior optical performance and light control
- Open design, passive thermal management for superior lumen with an ultradurable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver and

• Weight: See Dimension and Weight Chart on pages 1 and 4 ELECTRICAL SYSTEM

 Input Voltage: 120-277V or 347-480V, 50/60Hz, Class 1 drivers Power Factor: > 0.9 at full load at 120V Total Harmonic Distortion: < 20% at full load at 120V

Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
 Meets Buy American requirements within ARRA

RoHS compliant. Consult factory for additional details

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

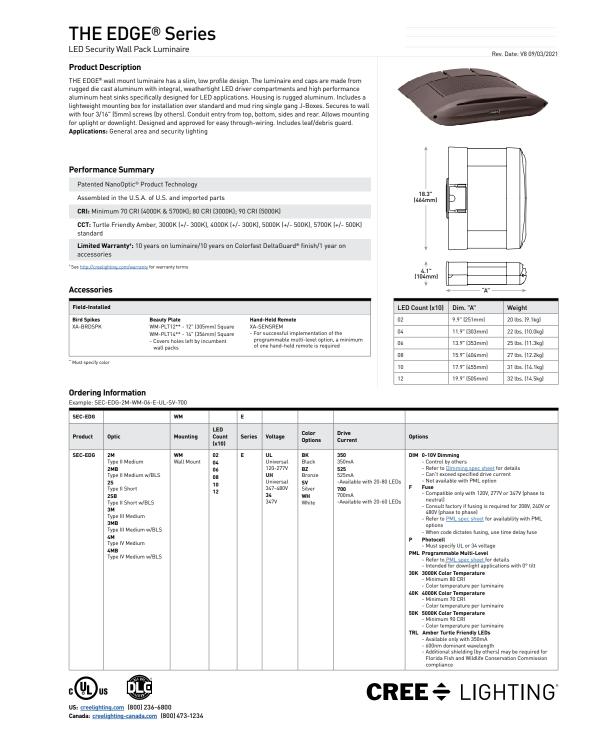
REGULATORY & VOLUNTARY QUALIFICATIONS

- Integral 10kV surge suppression protection standard
- Suitable for wet locations Meets IP66 requirements per IEC 60598-1 when ordered without TL ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI
- | System | Utility | Total Current | (A) | Label | 120-480V | Watage | 120V | 208V | 240V | 277V | 347V | 480V | 29 | 30 | 0.25 | 0.14 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15 | 0.15

1L	All	72	70	0.62	0.36	0.31	0.27	0.21	0.16	
6L	All	104	100	0.89	0.51	0.43	0.39	0.31	0.22	
2L	All	132	130	1.12	0.63	0.55	0.47	0.39	0.28	
0L	All	202	200	1.72	0.96	0.84	0.72	0.60	0.43	
	a at 25°C (77°F). Act th UL voltage only	ual wattage n	nay differ by +/- 1	0% when op	erating b	etween 12	0-277V o	r 347-480	V+/-10%	
SQ Seri	es Ambient Ad	ljusted Lu	men Mainte	nance ¹						
mbient	Optic	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF		75K hr Reported ² / Estimated ³ LMF		100K hr Reported Estimated LMF		
'C (41°F)	Asymmetric	1.04	1.03	1.01		0.992		0.972		
C (41 F)	Symmetric	1.05	1.05	1.05		1.053		1.053	1.053	
)°C	Asymmetric	1.03	1.02	1.00		0.982		0.962	0.962	
0°F)	Symmetric	1.04	1.03	1.03		1.03 ³		1.03 ³	1.03 ³	
°C	Asymmetric	1.02	1.01	0.99		0.972		0.95 ²		
9°F)	Symmetric	1.02	1.02	1.02		1.023		1.023		
)°C	Asymmetric	1.01	1.00	0.98		0.962		0.942		
8°F)	Symmetric	1.01	1.01	1.01		1.01 ³	1.01 ³			
i°C	Asymmetric	1.00	0.99	0.97		0.95 ²		0.932		
7°F)	Symmetric	1.00	1.00	1.00		1.00 ³		1.003		

CREE \$ LIGHTING

ADDITIONAL FIXTURE INFO



THE 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
- Weight: See Dimensions and Weight Chart on page 1
- 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

 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
- 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

Licetific	ctricat bata										
LED	l	System	Total 0	Current I	[A]						
Count (x10)	CCT	Watts 120-480V	120V	208V	240V	277V	347V	480V			
350mA											
02	30K/40K/50K/57K	25	0.21	0.13	0.11	0.10	0.08	0.07			
UZ	TRL	19	0.16	0.09	0.08	0.07	0.05	0.04			
04	30K/40K/50K/57K	46	0.36	0.23	0.21	0.20	0.15	0.12			
04	TRL	35	0.29	0.17	0.15	0.13	0.10	0.07			
06	30K/40K/50K/57K	66	0.52	0.31	0.28	0.26	0.20	0.15			
00	TRL	50	0.41	0.24	0.21	0.18	0.14	0.10			
08	30K/40K/50K/57K	90	0.75	0.44	0.38	0.34	0.26	0.20			
UB	TRL	68	0.57	0.33	0.28	0.25	0.20	0.14			
10	30K/40K/50K/57K	110	0.92	0.53	0.47	0.41	0.32	0.24			
10	TRL	83	0.69	0.40	0.35	0.30	0.24	0.17			
10	30K/40K/50K/57K	130	1.10	0.63	0.55	0.48	0.38	0.28			
12	TRL	99	0.82	0.48	0.41	0.36	0.28	0.21			
525mA											
02	30K/40K/50K/57K	37	0.30	0.19	0.17	0.16	0.12	0.10			
04	30K/40K/50K/57K	70	0.58	0.34	0.31	0.28	0.21	0.16			
06	30K/40K/50K/57K	101	0.84	0.49	0.43	0.38	0.30	0.22			
08	30K/40K/50K/57K	133	1.13	0.66	0.58	0.51	0.39	0.28			
700mA											
02	30K/40K/50K/57K	50	0.41	0.25	0.22	0.20	0.15	0.12			
04	30K/40K/50K/57K	93	0.78	0.46	0.40	0.36	0.27	0.20			

06 30K/40K/50K/57K 134 1.14 0.65 0.57 0.50 0.39 0.29 °F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V

Ambient	сст	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² / Estimated ³ LMF	100K h Estima LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03 ²	1.03
5 C [41 F]	TRL	1.06	1.06	1.06	1.063	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.022	1.02
10 C (50 F)	TRL	1.04	1.04	1.04	1.043	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.012	1.01
15 C (59 F)	TRL	1.03	1.03	1.03	1.033	1.03
0000 (1005)	30K/40K/50K/57K	1.01	0.99	0.99	0.992	0.99
20°C (68°F)	TRL	1.01	1.01	1.01	1.013	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.982	0.98
25 C [// F]	TRL	1.00	1.00	1.00	1.00 ³	1.00

up to 6x the tested duration in the IES LM-80 report for the LED.

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

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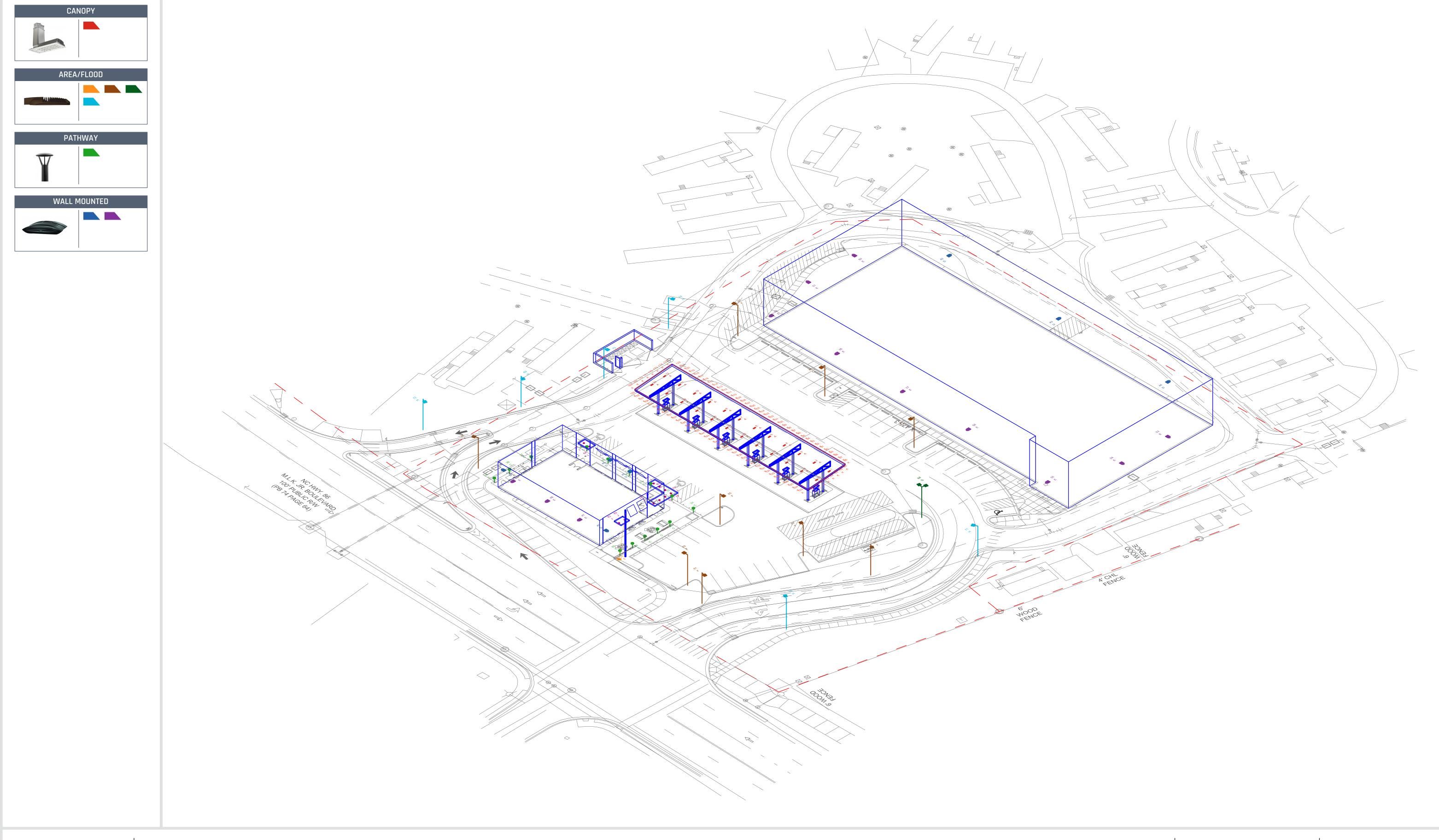
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