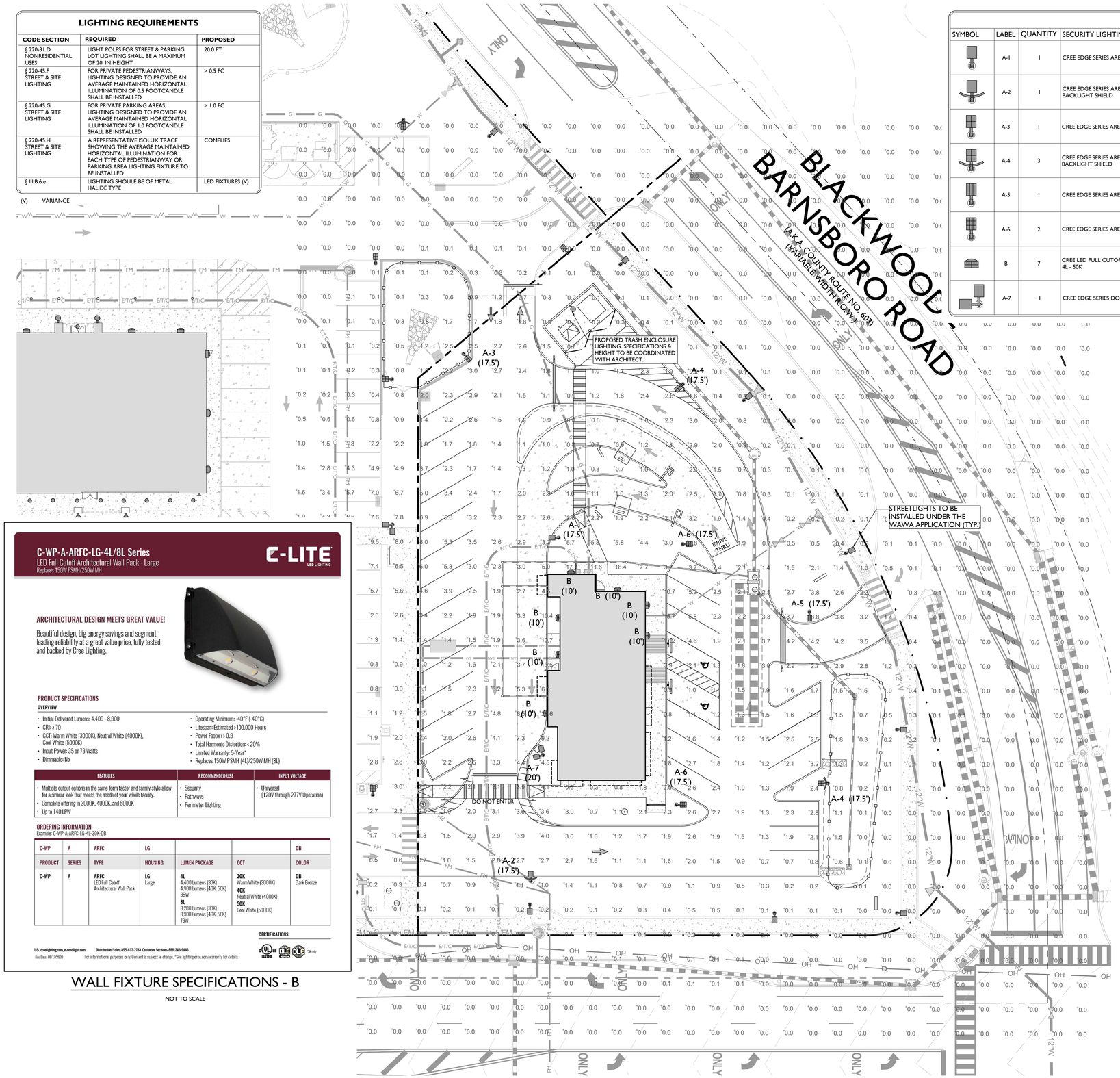
LIGHTING REQUIREMENTS

CODE SECTION	REQUIRED	PROPOSED
§ 220-31.D NONRESIDENTIAL USES	LIGHT POLES FOR STREET & PARKING LOT LIGHTING SHALL BE A MAXIMUM OF 20' IN HEIGHT	20.0 FT
§ 220-45.F STREET & SITE LIGHTING	FOR PRIVATE PEDESTRIANWAYS, LIGHTING DESIGNED TO PROVIDE AN AVERAGE MAINTAINED HORIZONTAL ILLUMINATION OF 0.5 FOOTCANDLE SHALL BE INSTALLED	> 0.5 FC
§ 220-45.G STREET & SITE LIGHTING	FOR PRIVATE PARKING AREAS, LIGHTING DESIGNED TO PROVIDE AN AVERAGE MAINTAINED HORIZONTAL ILLUMINATION OF 1.0 FOOTCANDLE SHALL BE INSTALLED	> 1.0 FC
§ 220-45.H STREET & SITE LIGHTING	A REPRESENTATIVE ISOLUX TRACE SHOWING THE AVERAGE MAINTAINED HORIZONTAL ILLUMINATION FOR EACH TYPE OF PEDESTRIANWAY OR PARKING AREA LIGHTING FIXTURE TO BE INSTALLED	COMPLIES
§ III.B.6.e	LIGHTING SHOULE BE OF METAL HALIDE TYPE	LED FIXTURES (V)

(V) VARIANCE

PROPOSED LUMINAIRE SCHEDULE

SYMBOL	LABEL	QUANTITY	SECURITY LIGHTING	DISTRIBUTION	LLF	MANUFACTURER	IES FILE
	A-1	1	CREE EDGE SERIES AREA LIGHT - 40 LEDS	3M	1.03	CREE LIGHTING	ARE-EDG-3M-DA-04-E-UL-WH-525-57K.IES
	A-2	1	CREE EDGE SERIES AREA LIGHT - 40 LEDS WITH BACKLIGHT SHIELD	3MB	1.03	CREE LIGHTING	ARE-EDG-3MB-DA-04-E-UL-WH-525-57K.IES
	A-3	1	CREE EDGE SERIES AREA LIGHT - 40 LEDS	4M	1.03	CREE LIGHTING	ARE-EDG-4M-DA-04-E-UL-WH-700-57K.IES
	A-4	3	CREE EDGE SERIES AREA LIGHT - 40 LEDS WITH BACKLIGHT SHIELD	4MB	1.03	CREE LIGHTING	ARE-EDG-4MB-DA-04-E-UL-WH-525-57K.IES
	A-5	1	CREE EDGE SERIES AREA LIGHT - 60 LEDS	4M	1.03	CREE LIGHTING	ARE-EDG-4M-DA-06-E-UL-WH-700-57K.IES
	A-6	2	CREE EDGE SERIES AREA LIGHT - 40 LEDS	4M	1.03	CREE LIGHTING	ARE-EDG-2M-DM-04-E-UL-WH-525-57K.IES
	B	7	CREE LED FULL CUTOFF ARCHITECTURAL WALL PACK - LARGE 4L - 50K	--	0.90	CREE LIGHTING	C-WP-A-ARFC-LG-4L-50K-DB.IES
	A-7	1	CREE EDGE SERIES DOUBLE AREA LIGHT - 40 LEDS	4M	1.00	CREE LIGHTING	ARE-EDG-4M-DA-04-E-UL-WH-700-57K.IES



SYMBOL / DESCRIPTION

SYMBOL	DESCRIPTION
A (XX')	PROPOSED LIGHTING FIXTURE (MOUNTING HEIGHT)
+X.X	PROPOSED LIGHTING INTENSITY (FOOTCANDLES)
	PROPOSED AREA LIGHT
	PROPOSED WALL MOUNTED LIGHT

C-WP-A-ARFC-LG-4L/8L Series

LED Full Cutoff Architectural Wall Pack - Large

Replaces 150W PSMH/250W MH

C-LITE LED LIGHTING

ARCHITECTURAL DESIGN MEETS GREAT VALUE!

Beautiful design, big energy savings and segment leading reliability at a great value price, fully tested and backed by Cree Lighting.

PRODUCT SPECIFICATIONS

OVERVIEW

- Initial Delivered Lumens: 4,400 - 8,900
- CRI > 70
- CCT: Warm White (3000K), Neutral White (4000K), Cool White (5000K)
- Input Power: 35 or 73 Watts
- Dimmable: No
- Operating Minimum: -40°F (-40°C)
- Lifespan: Estimated >100,000 Hours
- Power Factor: > 0.3
- Total Harmonic Distortion: < 20%
- Limited Warranty: 5-Year*
- Replaces 150W PSMH (4L)/250W MH (8L)

FEATURES	RECOMMENDED USE	INPUT VOLTAGE
• Multiple output options in the same form factor and family style allow for a similar look that meets the needs of your whole facility. • Complete offering in 3000K, 4000K, and 5000K • Up to 140 LPW	• Security • Pathways • Perimeter Lighting	• Universal (120W through 277V Operation)

ORDERING INFORMATION

Example: C-WP-A-ARFC-LG-4L-30K-DB

C-WP	A	ARFC	LG			DB
PRODUCT	SERIES	TYPE	HOUSING	LUMEN PACKAGE	CCT	COLOR
C-WP	A	ARFC LED Full Cutoff Architectural Wall Pack	LG Large	4L 4,400 Lumens (30K) 4,900 Lumens (40K, 50K) 35W 8L 8,200 Lumens (30K) 8,900 Lumens (40K, 50K) 73W	30K Warm White (3000K) 40K Neutral White (4000K) 50K Cool White (5000K)	DB Dark Bronze

US: c-lite@ledlegacy.com, c-lite@ledlegacy.com Distribution/Sales: 855-611-3733 Customer Services: 888-243-9445

Rev. Date: 08/17/2020 For informational purposes only. Content is subject to change. *See lighting.cree.com/warranty for details

CERTIFICATIONS:

WALL FIXTURE SPECIFICATIONS - B

NOT TO SCALE

Cree Edge™ Series

LED Security Wall Pack Luminaire

Product Description

The Cree Edge™ wall mount luminaire has a slim, low profile design. The luminaire end caps are made from rugged die cast aluminum with integral, weatherright LED driver compartments and high performance aluminum heat sinks specifically designed for LED applications. Housing is rugged aluminum. Includes a lightweight mounting box for installation over standard and mud ring single gang J-Boxes. 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 guard.
Applications: General area and security lighting

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

*See http://lighting.cree.com/warranty/warranty-terms

Accessories

Field-Installed		
Bird Spikes XA-BRSSPK	**Beauty Plate** WM-PLT24** - 12" (305mm) Square WM-PLT36** - 18" (305mm) Square - Covers holes left by incumbent wall pack	**Hand-Held Remote** XA-EHSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

** Must specify color

LED Count (x10)	Dim. "A"	Weight
02	9.9" (251mm)	20 lbs. (9.1kg)
04	11.0" (279mm)	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)

Ordering Information

Example: SEC-EDG-2M-WM-GL-E-UL-5V-700

SEC-EDG		WM		E				
Product	Optic	Mounting	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options
SEC-EDG	**2M** Type II Medium **2MB** Type II Medium w/BLS **2S** Type II Short **2SB** Type II Short w/BLS **3M** Type III Medium **3MB** Type III Medium w/BLS **4M** Type IV Medium **4MB** Type IV Medium w/BLS	**WM** Wall Mount	**02** **04** **06** **08** **10** **12**	**E**	**UL** Universal 120-277V **HL** Universal 347-480V **34** 347V	**BK** Black **BZ** Bronze **SV** Silver **WH** White	**350** 350mA **525** 525mA -Available with 20-40 LEDs **700** 700mA -Available with 20-40 LEDs	**DIM 0-10V Dimming** - Control by others - Refer to Dimming spec sheet for details - Must exceed specified drive current **F Fuse** - Refer to PML spec sheet for availability with PML options - Available for U.S. applications only - When code dictates fusing, use time delay fuse **ML Multi-Level** - Refer to PML spec sheet for details - Intended for downlight applications with 0° tilt - Available only with 20 LEDs and UL voltage - May only be combined with F option with 525mA drive current - Not available with other options **P Photocell** - Must specify UL or 34 voltage **PML Programmable Multi-Level** - Refer to PML spec sheet for details - Intended for downlight applications with 0° tilt **40K 4000K Color Temperature** - Minimum 70 CRI - Color temperature per luminaire

US: lighting.cree.com T (800) 236-4800 F (262) 504-5415

Rev. Date: VS 01/09/2019

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

LIGHT FIXTURE SPECIFICATIONS - A-1 THRU A-6

NOT TO SCALE

NOTE:
ALL PROPOSED LIGHT POLES TO BE COVERED WITH BLACK PROTECTIVE COVER. REFERENCE HTTPS://WWW.POLETECTOR.COM/POLETECTOR360 FOR MORE DETAILS.

20' 0' 20' 40'

GRAPHIC SCALE IN FEET
1" = 20'

ISSUE	DATE	BY	DESCRIPTION
03	04/08/2022	JCL	FOR TENANT REVIEW
02	03/17/2022	JCL	FOR RESOLUTION COMPLIANCE
01	06/11/2021	JMK	FOR TOWNSHIP SUBMISSION

NOT APPROVED FOR CONSTRUCTION

STONEFIELD engineering & design
Rutherford, NJ · Princeton, NJ · Long Island City, NY · Royal Oak, MI
www.stonefieldeng.com
15 Spring Street, Princeton, NJ 08542
Phone 609.362.6900

FINAL MAJOR SITE PLAN
FAST FOOD RESTAURANT WITH DRIVE-THRU FACILITIES

DELSEA DRIVE REDEVELOPMENT NODE 4
TAX MAP SHEET #29
PROPOSED BLOCK 7.04, LOT 6.07
1180 BLACKWOOD-BARNSBORO ROAD
TOWNSHIP OF WASHINGTON
GLOUCESTER COUNTY, NJ

JEFFREY A. MARTELL, P.E.
NEW JERSEY LICENSE No. 47290
LICENSED PROFESSIONAL ENGINEER

STONEFIELD engineering & design

SCALE: 1" = 20' PROJECT ID: T-17447

TITLE: LIGHTING PLAN

DRAWING: C-8

T:\2017\17-1447 FIBMUR - ROUTE 41 AND EGG HARBOR ROAD, DEPTFORD, NJ\CADD\PLOT\BK PLAN\LIGHT-08-LIGHT.DWG