

LUM NO.	LABEL	MTG. HT.
1	A	12
2	A	12
3	В	12
4	В	12
5	В	12
6	В	12
7	C1	14
8	C1	14
9	C1	14
10	C1	14
11	C1	14
12	C1	14
13	C1	14
14	C1	14
15	C2	14
16	C2	14
17	C2	14
18	C2	14
19	C2	14
20	C3	14
21	C3	14
22	C3	14
23	C4	14
24	C4	14
25	C4	14
26	C4	14
27	E	11
28	F	11
29	F	11
30	F	11
31	F	11
32	F	11
33	F	11
34	F	11
35	F	11
36	X	14
37	X	14
38	Х	14
39	Х	14
40	Х	14
41	Х	14
42	Х	14
43	Х	14
44	X	14
45	X	14

LUMINAIRE LOCATION SUMMARY

NOTES:

- NEW AREA LIGHTS (#1, #2, #3) TO BE INSTALLED ON EXISTING POLES.
- NEW AREA LIGHTS (#4, #5, #6) TO BE INSTALLED ON NEW 12'-0" POLES MOUNTED AT GRADE.
- ALL AREA LIGHT FIXTURES ARE EQUIPPED WITH BACKLIGHT CONTROL SHIELDS.
- NEW CANOPY LIGHTS TO BE MOUNTED ON EXISTING DECKING. - THIS SITE IS LOCATED IN A REGION WHERE LIGHTING IS REGULATED BY LOCAL ORDINANCES.
- ALL LIGHTS ARE TO BE INSTALLED HORIZONTALLY WITH ZERO TILT. -THE EXTERIOR LIGHTING DESIGN DEPICTED ON THIS PHOTOMETRIC PLAN
- COMPLIES WITH THE REQUIREMENTS OF THE NAPERVILLE MUNICIPAL CODE SECTION 6-14-4:3.7.2 AS UNDERSTOOD BY CASEY'S.

FOOTCANDLE LEVELS CALCULATED AT GRADE USING INIT	TAL LUMEN	VALUES			
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	3.30	12.5	0.7	4.71	17.86
PROPERTY LINE	1.26	8.2	0.0	N.A.	N.A.
UNDEFINED AREA	0.55	7.5	0.0	N.A.	N.A.
UNDER CANOPY	23.69	30	16	1.48	1.88

BLANK PLA	TE SCHEE	ULE	
SYMBOL	QTY	LABEL	DESCRIPTION
•	10	Х	XA-BXCC9002& + XA-BXCCBPW + XA-BXCCBPW-FP (BLANK KIT)

LUMINAIRE	SCHED	ULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LATF	DIMMING LUMEN MULTIPLIER	LLF	BUG Rating	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	2	Α	SINGLE	7998	1.030	1.000	1.030	B1-U0-G2	134	268	CREE, INC.	ARE-EDG-3MB-DA-06-E-UL-XX-700-57K
	4	В	SINGLE	8096	1.030	1.000	1.030	B1-U0-G2	101	404	CREE, INC.	ARE-EDG-4MB-DA-06-E-UL-XX-525-57K
	8	C1	SINGLE	8275	1.020	0.530	0.541	B3-U2-G1	26	208	CREE, INC.	CP5-8L-57K7-DF-UL-DM-XX-Q1 + CP5-BZ-SP-XX + CP5-BP-12-XX
	5	C2	SINGLE	8275	1.020	0.790	0.806	B3-U2-G1	39	195	CREE, INC.	CP5-8L-57K7-DF-UL-DM-XX-Q5 + CP5-BZ-SP-XX + CP5-BP-12-XX
	3	C3	SINGLE	8275	1.020	0.910	0.928	B3-U2-G1	45	135	CREE, INC.	CP5-8L-57K7-DF-UL-DM-XX-Q7 + CP5-BZ-SP-XX + CP5-BP-12-XX
	4	C4	SINGLE	13518	1.020	0.800	0.816	B3-U3-G2	64	256	CREE, INC.	CP5-13L-57K7-DF-UL-DM-XX-Q5 + CP5-BZ-SP-XX + CP5-BP-12-XX
	1	E	SINGLE	2551	1.030	0.540	0.556	B1-U0-G1	13	13	CREE, INC.	SEC-EDG-2M-WM-02-E-UL-XX-350-57K(SET TO 2.3V)
	8	F	SINGLE	2220	1.030	1.000	1.030	B1-U0-G1	25	200	CREE, INC.	SEC-EDG-4M-WM-02-E-UL-XX-350-57K

	REDLEONARD ASSOCIATES
1340 Ker	mper Meadow Dr. Forest Park. OH 45240

REDLEONARD ASSOCIATES
340 Kemper Meadow Dr, Forest Park, OH 45240 513-574-9500 redleonard.com

REV. BY DATE RCF 03/22/2022 RCF 05/17/2022

DESCRIPTION ADDED NEW AREA LIGHTS ON EXISTING AND NEW POLES AND ADDED NEW CANOPY LIGHTS. RCF | 05/03/2022 | CHANGED CANOPY LIGHTS TO CREE "CPY500" FIXTURES AND ADDED SEVERAL BLANKS. MODIFIED THE CANOPY LIGHTING TO ACHIEVE IMPROVED LIGHTING AT THE DISPENSERS. 7/15/22 ADD DIRECTIONAL ARROW, SCALE, AND HORIZONTAL MTG NOTE.

REV. BY DATE R5 JSG 8/23/22

DESCRIPTION ADD NOTE PER COMMENTS RECEIVED

DISCLAIMER

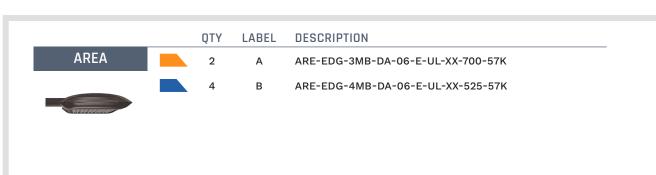
ANY SITE PLAN(S), FLOOR PLAN(S), RENDERING(S), LIGHTING LAYOUT(S) AND PHOTOMETRIC PLAN(S) INCLUDING BUT NOT LIMITED TO ANY PROJECT(S) CREATED/PRODUCED BY RED LEONARD ASSOCIATES INC., ARE ONLY INTENDED FOR ILLUSTRATION AND QUOTING PURPOSES ONLY. RED LEONARD ASSOCIATES HAS THE RIGHT TO USE THIRD PARTY LASERS, SCANNERS, AND CAMERAS BUT ACTUAL PROJECT CONDITIONS, DIMENSIONS, AND ACCURACY OF MEASUREMENTS MAY DIFFER FROM THESE OR ANY PARAMETERS. RED LEONARD ASSOCIATES INC. ASSUMES NO LIABILITY FOR WHAT IS CREATED/PRODUCED IN THESE RECREATIONS. THIS INCLUDES BUT IS NOT LIMITED TO THE USE OF, INSTALLATION OF AND/OR INTEGRITY OF EXISTING BUILDING(S), SURROUNDING AREA FOR PRODUCT(S) SUCH AS EXISTING POLE(S), ANCHOR BOLT(S), BASE(S), ARCHITECTURAL AND SIGNAGE STRUCTURE(S), LANDSCAPING PLAN(S), LIGHTING PLAN(S), FIXTURE SELECTION(S) AND PLACEMENT, MATERIAL(S), COLOR ACCURACY, TEXTURE(S), AND ANYTHING ATTRIBUTED TO PHOTO REALISM THAT IS CREATED. FURTHERMORE, RED LEONARD ASSOCIATES INC., DOES NOT ASSUME LIABILITY WHATSOEVER FOR ANY PURCHASES MADE BY CLIENT BEFORE, DURING, OR AT THE CONCLUSION OF THE PUBLISHED WORK. THE CUSTOMER, ITS RELATIVE AFFILIATES, AS WELL AS ANY OTHER PERSON(S) IN VIEWING OF THIS PRODUCT IS RESPONSIBLE FOR VERIFYING COMPLIANCE WITH ANY BUT NOT LIMITED TO ALL CODES, PERMITS, RESTRICTIONS, INSTRUCTIONS, PURCHASES, AND INSTALLATIONS OF OBJECTS VIEWED WITHIN THIS DOCUMENT(S) OR PROJECT(S). SYMBOLS ARE NOT DRAWN TO SCALE. SIZE IS FOR CLARITY PURPOSES ONLY. SIZES AND DIMENSIONS ARE APPROXIMATE, ACTUAL MEASUREMENTS MAY VARY. DRAWINGS ARE NOT INTENDED FOR ENGINEERING OR CONSTRUCTION USE. THIS DOCUMENT, ANY RED LEONARD DRAWING(S), OR PROJECT(S) IS NOT TO BE USED AND/OR INTENDED FOR ENGINEERING OR CONSTRUCTION PURPOSES, BUT FOR ILLUSTRATIVE PURPOSES ONLY, ANY LOCATIONS OF EMERGENCY LIGHTING SHOWN WERE PROVIDED BY OTHERS, RED LEONARD ASSOCIATES IS NOT RESPONSIBLE FOR INSUFFICIENT LIGHTING DURING AN EMERGENCY EVENT. ANY USE OF THIS DOCUMENTATION AND/OR OTHER ARTICLES PRODUCED BY RED LEONARD WITHOUT WRITTEN AUTHORIZATION FROM JAYME J. LEONARD IS STRICTLY PROHIBITED.

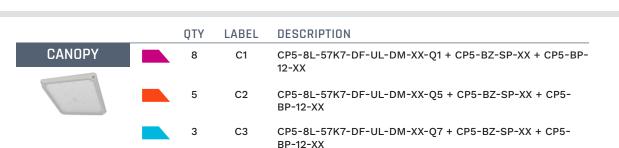
SCALE: LAYOUT BY: 1" = 20' RCF DWG SIZE: DATE:

D 03/17/2022

PROJECT NAME: CASEY'S #6529 NAPERVILLE, IL DRAWING NUMBER: RL-7900-S2-R5

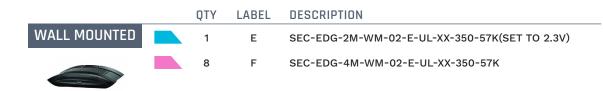




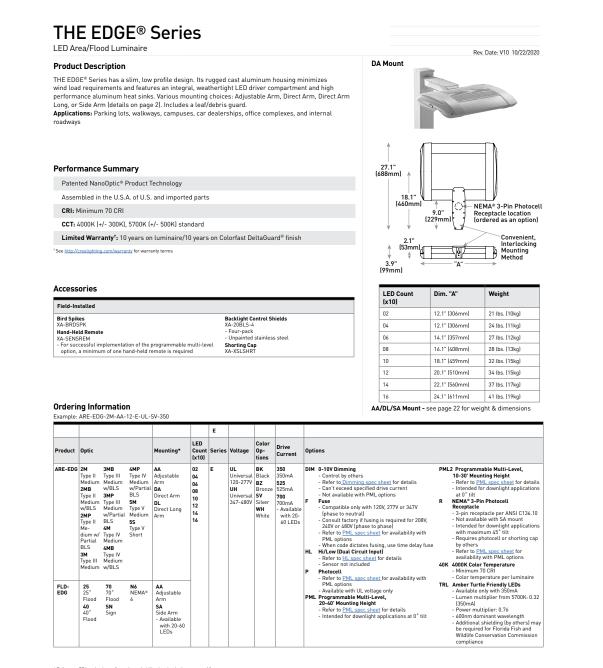


BP-12-XX

CP5-13L-57K7-DF-UL-DM-XX-Q5 + CP5-BZ-SP-XX + CP5-



ADDITIONAL FIXTURE INFO





Electrical Data*

CREE
LIGHTING

THE EDGE® LED Area/Flood Luminaire

Product Specifications CONSTRUCTION & MATERIALS

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

 Includes leaf/debris guard Exclusive Colorfast 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 Maximium 10V Source Current: 20 LED (350mA): 10mA; 20 LED (5700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS

 Meets Buy American requirements within ARRA • CA RESIDENTS WARNING: Cancer and Reproductive Harm – www.p65warnings.ca.gov

Suitable for wet locations

. Enclosure rated IP66 per IEC 60529 when ordered without P or R Consult factory for CE Certified products
Certified to ANSI C136.31-2001, 3G bridge and overpass vibration ANSI C136.2 10kV surge protection, tested in accordance with IEEE

 Meets FCC Part 15, Subpart B, Class A limits for conducted and rac DLC qualified with select SKUs. Refer to https://www.designlights.org/search/ for most current informat

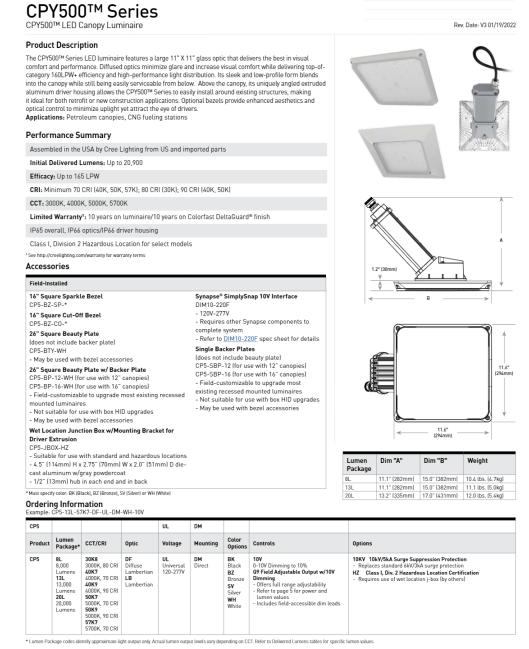
10	171	1.43	0.03	0.74	0.00		0.30	0.30
12	202	1.69	0.98	0.86	0.77		0.59	0.44
14	232	1.94	1.12	0.98	0.87		0.68	0.50
16	263	2.21	1.27	1.11	0.97		0.77	0.56
700mA								
02	50	0.41	0.25	0.22	0.20		0.15	0.12
04	93	0.78	0.46	0.40	0.36		0.27	0.20
06	134	1.14	0.65	0.57	0.50		0.39	0.29
THE EDGE	Series Ambient	t Adjuste	d Lumen Ma	aintenand	:e¹			
Ambient	сст	Initial LMF	25K hr Reported ² LMF	50K hr Report LMF		75K l Estin LMF	nr nated³	100K hr Estimated LMF
	30K/40K/50K/57K	1.04	1.01	0.99		0.98		0.96
5°C (41°F)	TRL	1.06	1.06	1.06		1.06		1.06
	30K/40K/50K/57K	1.03	1.00	0.98		0.97		0.95
10°0 (E0°E)	3010401030103710							
10°C (50°F)	TRL	1.04	1.04	1.04		1.04		1.04
			1.04	1.04		1.04		1.04
10°C (50°F)	TRL							
15°C (59°F)	TRL 30K/40K/50K/57K	1.02	0.99	0.97		0.96		0.94
	TRL 30K/40K/50K/57K TRL	1.02	0.99	0.97		0.96		0.94
15°C (59°F)	TRL 30K/40K/50K/57K TRL 30K/40K/50K/57K	1.02 1.03 1.01	0.99 1.03 0.98	0.97 1.03 0.96		0.96 1.03 0.95		0.94 1.03 0.93

"Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all Lumen maintenance factors. Please refer to the Temperature Zone Reference Document for outdoor average injstitute ambient

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

ADDITIONAL FIXTURE INFO

4 C4



Lumen Package codes iden	tify approximate lig	ht output only. Actual lume	en output lev
CULUS	ROHS	MARK LIST APPRICATE	PREMI
US: creelighting.com Canada: creelighting-o	T (800) 236		

CREE \$\Delta\$ LIGHTING

CPY500™ LED Canopy Luminaire

Product Specifications
CONSTRUCTION & MATERIALS
 Slim, low profile light engine that mounts to bottom of canopy
 Light engine is constructed of rugged cast aluminum with integral heat sir specifically designed for LED
 Large uniform light panel features 0.157" molded borosilicate glass lens w side sparkle

Optic	% Uplight
Lambertian	1.3%
Lambertian w/Sparkle Bezel	0.3%
Lambertian w/Cutoff Bezel	0.0%
Diffuse Lambertian	1.8%
Diffuse Lambertian w/Sparkle Bezel	0.4%
Diffuse Lambertian w/Cutoff Bezel	0.0%

 2' TC-ER rated 600V, 18/5 cable exits luminaire . Includes Heyco M3231 fitting and locknut to connect to electrical supply

 Corrosion resistant and captive screws Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer wit an ultra-durable powder topcoat, providing excellent resistance to corrosio ultraviolet degradation and abrasion. Black, bronze, silver and white are

• Weight: Light Engine - 6.6 lbs. (3.0kg); 8L Driver Compartment - 3.8 lbs. (1.7kg); 13L Driver Compartment - 4.2 lbs. (1.9kg); 20L Driver Compartment 5.4 lbs. (2.4kg) ELECTRICAL SYSTEM
• Input Voltage: 120-277V, 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 optional When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current

CONTROLS
• Continuous dimming to 10% with 0-10V DC control protocol
• 10V Source Current: 0.15mA

 Use only lighting controls with neutral connection or controls intended for use with LED fixtures REGULATORY & VOLUNTARY QUALIFICATIONS

 Suitable for wet locations. Covered ceiling required only when not used with cULus Listed, wet location junction box or CP5-JB0X accessory Both driver compartment and light engine enclosures meet IP66 requirements per IEC 60529. The installed system meets IP65 requirements per IEC 60529 ANSI C136.2 6kV/3kA (standard) and 10kV/5kA (optional) surge protection, tested in accordance with IEEE/ANSI C62.41.2 Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions

· RoHS compliant. Consult factory for additional details Class I, Division 2 Hazardous Location rated when ordered with HZ option.
 Rated for Groups A, B, C & D. Bears a T4A, (120°C) temperature classification within a 40°C ambient

CA RESIDENTS WARNING: Cancer and Reproductive Harm –

www.p65warnings.ca.gov

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

i ackay	120-277V	120V		208V	′	240V	277V
8L	50	0.42		0.24		0.21	0.18
13L	81	0.69		0.39		0.34	0.30
20L	127	1.08		0.62		0.54	0.47
Electrical	data at 25°C (77°F). Ac	tual wattag	ge may diffe	er by +/-	10% when ope	rating between 120-	277V +/- 10%.
CPY50	0™ Series Ambie	ent Adju	sted Lu	men N	d aintenanc	e ¹	
	Luminaire Mounting Surface	Initial LMF	25K hr Reporte LMF	ed²	50K hr Reported ² LMF	75K hr Estimated ³ LMF	100K hr Estimated LMF
5°C (41°F)	8L-13L Plywood/ 8L-20L Metal	1.02	0.99		0.96	0.94	0.92
[41 F]	20L Plywood*	1.02	0.98		0.94	0.91	0.87
10°C	8L-13L Plywood/ 8L-20L Metal	1.02	0.98		0.96	0.93	0.91
(50°F)	20L Plywood*	1.02	0.97		0.94	0.90	0.87
15°C (59°F)	8L-13L Plywood/ 8L-20L Metal	1.01	0.98		0.95	0.93	0.91
[57 F]	20L Plywood*	1.01	0.97		0.93	0.90	0.86
20°C [68°F]	8L-13L Plywood/ 8L-20L Metal	1.01	0.97		0.95	0.92	0.90
(00 F)	20L Plywood*	1.01	0.96		0.93	0.89	0.86
25°C (77°F)	8L-13L Plywood/ 8L-20L Metal	1.00	0.97		0.94	0.92	0.90
[// F]	20L Plywood*	1.00	0.96		0.92	0.89	0.85
30°C [86°F]	8L-13L Plywood/ 8L-20L Metal	0.99	0.96		0.94	0.91	0.89
(86 F)	20L Plywood*	0.99	0.93		0.87	0.81	0.76
35°C (95°F)	8L-13L Plywood/ 8L-20L Metal	0.99	0.95		0.93	0.91	0.88
[75 F]	20L Plywood*	0.99	0.88		0.79	0.71	0.63
	01 401 01 17						

40°C 8L-31 Plywood/ 0.98 0.95 0.92 0.90 0.88 0.95 20L Plywood* 0.98 0.81 0.68 0.57 0.47 45°C 8L-13L Plywood/ 8L-20L Metal (13°F) 8L-20 20L Plywood* 8L-13L Plywood/ 8L-20L Metal 0.97 0.90 0.84 0.78 0.73 20L Plywood* N/A * 20L mounted directly to plywood is suitable through 40°C only. ditions.
accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x tested duration in the IES LM-80 report for the LED.
timated values are calculated and represent time durations that exceed the 6x test duration of the LED.

Operating Temperature Range Lumen Package Direct Mount to Plywood Direct Mount to Plywood Metal Direct Mount to Plywood Direct Mount to Sheet Metal 20L -40°C to -40°C to +40°C +50°C NOTE: Luminaire is UL rated at 40°C, but will operate in the ambients listed above.

WARNING: Exceeding maximum operating temperature may result in thermal foldback

CREE \$ LIGHTING

ADDITIONAL FIXTURE INFO

Product I	Description										
THE EDGE rugged die aluminum l lightweight with four 3/ for uplight	wall mount luminaire least aluminum with into heat sinks specifically demounting box for instal (16" (5mm) screws (by our downlight. Designed ins: General area and se	egral, weather esigned for LE lation over sta thers). Condui and approved	tight LED D applicat Indard and It entry fro for easy th	driver co tions. Hou I mud rin Im top, bo	mpartments using is rugg g single gan ottom, sides	and high pe ed aluminu g J-Boxes. S and rear. All	erformance m. Includes a secures to wall lows mounting	•			
Perform	ance Summary								^		
Patente	d NanoOptic® Product 1	echnology									
Assemb	led in the U.S.A. of U.S.	and imported	l parts						18.3" (464mm)	Ь	
	nimum 70 CRI (4000K &			. 90 CRI I	5000K)				(40411111)		
CCT: Tur	rtle Friendly Amber, 300 d	00K (+/- 300K)	, 4000K (+	-/- 300K),	5000K (+/-						$+ \parallel$
Limited accesso	Warranty [†] : 10 years or ries	luminaire/10	years on	Colorfast	DeltaGuard	ı∞ finish/1 ye	ear on		V		
	elighting.com/warranty for warra	anty terms							4.1" (104mm) #	"A"	
Field-Insta								1.5	D Count (x10)	Dim. "A"	Woight
		DI-1-		Una	d-Held Remote					9.9" (251mm)	Weight
					ENSREM			02			20 lbs. (9.1kg)
Bird Spikes XA-BRDSPk	Beauty WM-PL	T12** - 12" (305r	nm) Square								
	WM-PL WM-PL		nm) Square	- For		ulti-level optic	on, a minimum	04		11.9" (303mm)	
	WM-PL WM-PL	T12** - 12" (305r T14** - 14" (356r s holes left by in:	nm) Square	- For	grammable m		on, a minimum	06		13.9" [353mm]	25 lbs. (11.3kg
	WM-PL WM-PL - Cover wall p	T12** - 12" (305r T14** - 14" (356r s holes left by in:	nm) Square	- For	grammable m	ulti-level optic	on, a minimum	_		13.9" [353mm] 15.9" [404mm]	25 lbs. (11.3kg 27 lbs. (12.2kg
XA-BRDSPF	WM-PL WM-PL - Cover wall p	T12** - 12" (305r T14** - 14" (356r s holes left by in:	nm) Square	- For	grammable m	ulti-level optic	on, a minimum	06 08		13.9" [353mm]	25 lbs. (11.3kg 27 lbs. (12.2kg 31 lbs. (14.1kg
XA-BRDSPH Must specify of the company of the compa	WM-PL WM-PL - Cover wall p	T12** - 12" (305r T14** - 14" (356r s holes left by in acks	nm) Square	- For	grammable m	ulti-level optic	on, a minimum	06 08 10		13.9" (353mm) 15.9" (404mm) 17.9" (455mm)	25 lbs. (11.3kg 27 lbs. (12.2kg 31 lbs. (14.1kg
XA-BRDSPH *Must specify of	WM-PL WM-PL - Cover wall p	T12** - 12" (305r T14** - 14" (356r s holes left by in acks	nm) Square	- For	grammable m	ulti-level optic	on, a minimum	06 08 10		13.9" (353mm) 15.9" (404mm) 17.9" (455mm)	25 lbs. (11.3kg 27 lbs. (12.2kg 31 lbs. (14.1kg
XA-BRDSPH Must specify of the company of the compa	WM-PL WM-PL - Cover wall p	T12** - 12" (305r T14** - 14" (356r s holes left by in acks	nm) Square	- For	grammable m	ulti-level optic	on, a minimum	06 08 10		13.9" (353mm) 15.9" (404mm) 17.9" (455mm) 19.9" (505mm)	22 lbs. [10.0kg 25 lbs. [11.3kg 27 lbs. [12.2kg 31 lbs. [14.1kg 32 lbs. [14.5kg

Electrical Data*

THE EDGE® LED Security Wall Pack Luminaire

Canada: creelighting-canada.com (800) 473-1234

roduct Specifications

CONSTRUCTION & MATERIALS 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 guard

 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 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

 Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 1 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

02	30K/40K/50K/57K	25	0.21	0.13	0.11	0.10	0.08	0.
	TRL	19	0.16	0.09	0.08	0.07	0.05	0.
04	30K/40K/50K/57K	46	0.36	0.23	0.21	0.20	0.15	0.
	TRL	35	0.29	0.17	0.15	0.13	0.10	0.
06	30K/40K/50K/57K	66	0.52	0.31	0.28	0.26	0.20	0.
	TRL	50	0.41	0.24	0.21	0.18	0.14	0.
08	30K/40K/50K/57K	90	0.75	0.44	0.38	0.34	0.26	0.
	TRL	68	0.57	0.33	0.28	0.25	0.20	0.
10	30K/40K/50K/57K	110	0.92	0.53	0.47	0.41	0.32	0.
	TRL	83	0.69	0.40	0.35	0.30	0.24	0.
12	30K/40K/50K/57K	130	1.10	0.63	0.55	0.48	0.38	0.
	TRL	99	0.82	0.48	0.41	0.36	0.28	0.
525mA								
02	30K/40K/50K/57K	37	0.30	0.19	0.17	0.16	0.12	0.
04	30K/40K/50K/57K	70	0.58	0.34	0.31	0.28	0.21	0.
06	30K/40K/50K/57K	101	0.84	0.49	0.43	0.38	0.30	0.
08	30K/40K/50K/57K	133	1.13	0.66	0.58	0.51	0.39	0.
700mA								
02	30K/40K/50K/57K	50	0.41	0.25	0.22	0.20	0.15	0.
04	30K/40K/50K/57K	93	0.78	0.46	0.40	0.36	0.27	0.
06	30K/40K/50K/57K	134	1.14	0.65	0.57	0.50	0.39	0.

Ambient	сст	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² / Estimated ³ LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03²
5 C [41 F]	TRL	1.06	1.06	1.06	1.06 ³
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.022
	TRL	1.04	1.04	1.04	1.043
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.01 ²
	TRL	1.03	1.03	1.03	1.033
20°C [68°F]	30K/40K/50K/57K	1.01	0.99	0.99	0.992
20 C (68 F)	TRL	1.01	1.01	1.01	1.013
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.982
25 C [// F]	TRL	1.00	1.00	1.00	1.00 ³

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

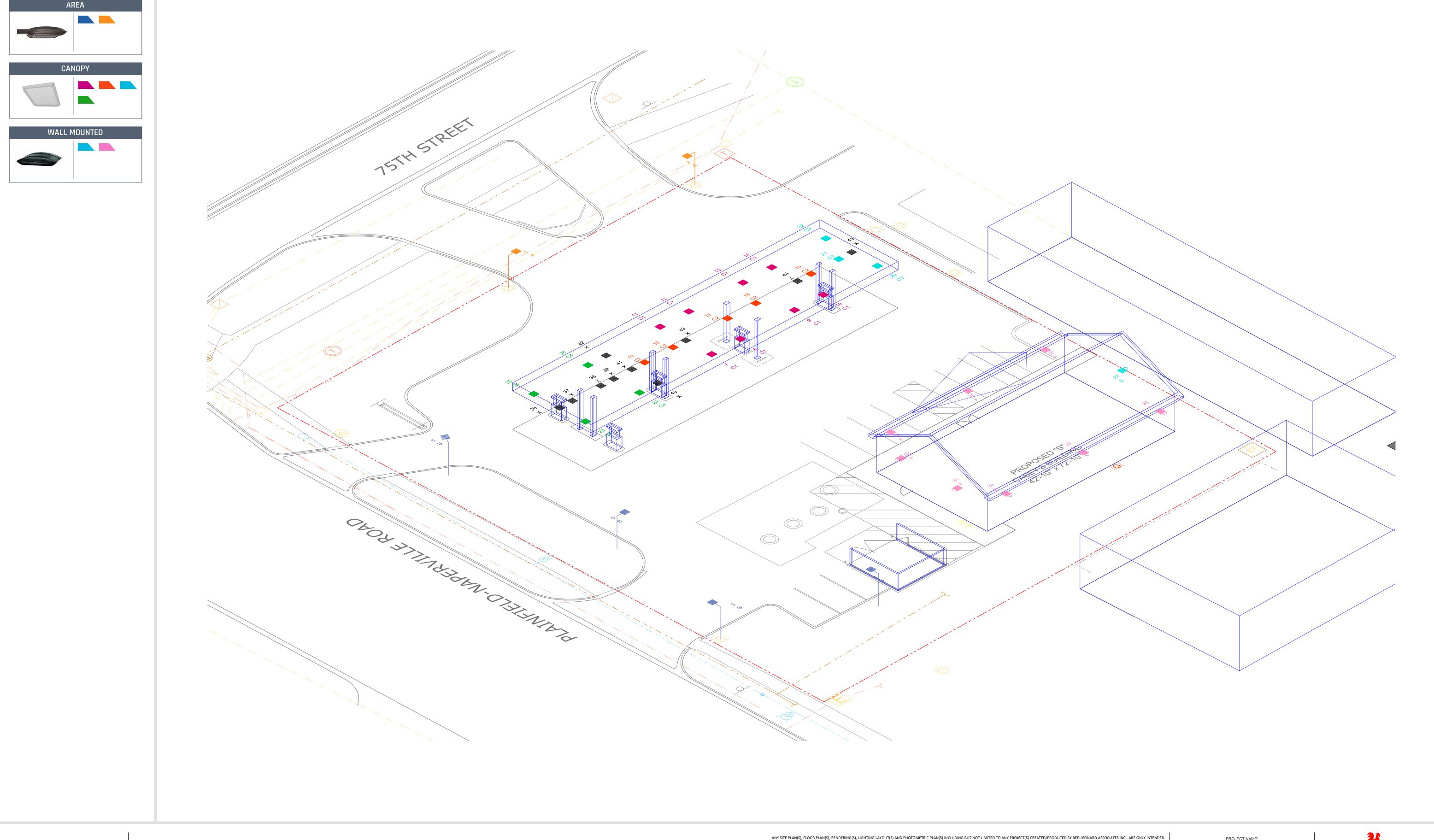
CREE ♦ LIGHTING



ANY SITE PLAN(S), FLOOR PLAN(S), RENDERING(S), LIGHTING LAYOUT(S) AND PHOTOMETRIC PLAN(S) INCLUDING BUT NOT LIMITED TO ANY PROJECT(S) CREATED/PRODUCED BY RED LEONARD ASSOCIATES INC., ARE ONLY INTENDED FOR ILLUSTRATION AND QUOTING PURPOSES ONLY. RED LEONARD ASSOCIATES HAS THE RIGHT TO USE THIRD PARTY LASERS, SCANNERS, AND CAMERAS BUT ACTUAL PROJECT CONDITIONS, DIMENSIONS, AND ACCURACY OF MEASUREMENTS MAY DIFFER FROM THESE OR ANY PARAMETERS. RED LEONARD ASSOCIATES INC. ASSUMES NO LIABILITY FOR WHAT IS CREATED/PRODUCED IN THESE RECREATIONS. THIS INCLUDES BUT IS NOT LIMITED TO THE USE OF, INSTALLATION OF AND/OR INTEGRITY OF EXISTING BUILDING(S), SURROUNDING AREA FOR PRODUCT(S) SUCH AS EXISTING POLE(S), ANCHOR BOLT(S), BASE(S), ARCHITECTURAL AND SIGNAGE STRUCTURE(S), LANDSCAPING PLAN(S), LIGHTING PLAN(S), FIXTURE SELECTION(S) AND PLACEMENT. MATERIAL(S), COLOR ACCURACY, TEXTURE(S), AND ANYTHING ATTRIBUTED TO PHOTO REALISM THAT IS CREATED, FURTHERMORE, RED LEONARD ASSOCIATES INC., DOES NOT ASSUME LIABILITY WHATSOEVER FOR ANY PURCHASES MADE BY CLIENT BEFORE, DURING, OR AT THE CONCLUSION OF THE PUBLISHED WORK, THE CUSTOMER, ITS RELATIVE AFFILIATES, AS WELL AS ANY OTHER PERSON(S) IN VIEWING OF THIS PRODUCT IS RESPONSIBLE FOR VERIFYING COMPLIANCE WITH ANY BUT NOT LIMITED TO ALL CODES, PERMITS, RESTRICTIONS, INSTRUCTIONS, PURCHASES, AND INSTALLATIONS OF OBJECTS VIEWED WITHIN THIS DOCUMENT(S) OR PROJECT(S). SYMBOLS ARE NOT DRAWN TO SCALE. SIZE IS FOR CLARITY PURPOSES ONLY. SIZES AND DIMENSIONS ARE APPROXIMATE, ACTUAL MEASUREMENTS MAY VARY. DRAWINGS ARE NOT INTENDED FOR ENGINEERING OR CONSTRUCTION USE. THIS DOCUMENT, ANY RED LEONARD DRAWING(S), OR PROJECT(S) IS NOT TO BE USED AND/OR INTENDED FOR ENGINEERING OR CONSTRUCTION PURPOSES, BUT FOR ILLUSTRATIVE PURPOSES ONLY. ANY USE OF THIS DOCUMENTATION AND/OR OTHER ARTICLES PRODUCED BY RED LEONARD WITHOUT WRITTEN AUTHORIZATION FROM JAYME J. LEONARD IS STRICTLY PROHIBITED.









ANY SITE PLAN(S), FLOOR PLAN(S), RENDERING(S), LIGHTING LAYOUT(S) AND PHOTOMETRIC PLAN(S) INCLUDING BUT NOT LIMITED TO ANY PROJECT(S) CREATED/PRODUCED BY RED LEONARD ASSOCIATES INC., ARE ONLY INTENDED FOR ILLUSTRATION AND QUOTING PURPOSES ONLY. RED LEONARD ASSOCIATES HAS THE RIGHT TO USE THIRD PARTY LASERS, SCANNERS, AND CAMERAS BUT ACTUAL PROJECT CONDITIONS, DIMENSIONS, AND ACCURACY OF MEASUREMENTS MAY DIFFER FROM THESE OR ANY PARAMETERS. RED LEONARD ASSOCIATES INC. ASSUMES NO LIABILITY FOR WHAT IS CREATED/PRODUCED IN THESE RECREATIONS. THIS INCLUDES BUT IS NOT LIMITED TO THE USE OF, INSTALLATION OF AND/OR INTEGRITY OF EXISTING BUILDING(S), SURROUNDING AREA FOR PRODUCT(S) SUCH AS EXISTING POLE(S), ANCHOR BOLT(S), BASE(S), ARCHITECTURAL AND SIGNAGE STRUCTURE(S), LANDSCAPING PLAN(S), LIGHTING PLAN(S), FIXTURE SELECTION(S) AND PLACEMENT, MATERIAL(S), COLOR ACCURACY, TEXTURE(S), AND ANYTHING ATTRIBUTED TO PHOTO REALISM THAT IS CREATED. FURTHERMORE, RED LEONARD ASSOCIATES INC., DOES NOT ASSUME LIABILITY WHATSOEVER FOR ANY PURCHASES MADE BY CLIENT BEFORE, DURING, OR AT THE CONCLUSION OF THE PUBLISHED WORK. THE CUSTOMER, ITS RELATIVE AFFILIATES, AS WELL AS ANY OTHER PERSON(S) IN VIEWING OF THIS PRODUCT IS RESPONSIBLE FOR VERIFYING COMPLIANCE WITH ANY BUT NOT LIMITED TO ALL CODES, PERMITS, RESTRICTIONS, INSTRUCTIONS, PURCHASES, AND INSTALLATIONS OF OBJECTS VIEWED WITHIN THIS DOCUMENT(S) OR PROJECT(S). SYMBOLS ARE NOT DRAWN TO SCALE. SIZE IS FOR CLARITY PURPOSES ONLY. SIZES AND DIMENSIONS ARE APPROXIMATE, ACTUAL MEASUREMENTS MAY VARY. DRAWINGS ARE NOT INTENDED FOR ENGINEERING OR CONSTRUCTION PURPOSES, BUT FOR ILLUSTRATIVE PURPOSES ONLY. ANY USE OF THIS DOCUMENTATION AND/OR OTHER ARTICLES PRODUCED BY RED LEONARD WITHOUT WRITTEN AUTHORIZATION FROM JAYME J. LEONARD IS STRICTLY PROHIBITED.

PROJECT NAME:
CASEY'S #6529
NAPERVILLE, IL
DRAWING NUMBER:
RL-7900-S2-R5



