Catalog #: _____ Project: _____
Prepared By: _____ Date: _____ Type: _____

Scottsdale® Legacy (CRUS)

LED Canopy Luminaire

IP66

OVERVIEW	
Lumen Package	5,000 - 22,000
Wattage Range	39 - 152
Efficacy Range (LPW)	114 -156
Weight lbs(kg)	23 (10.4)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Features a ultra-slim 11/16" profile die-cast housing, with flat clear tempered glass lens. Unit is water-resistant, sealed and IP66 rated. Integral designed heat sink does not trap dirt and grime, ensuring cool running performance over the life of the fixture.
- Standard color is white and is finished with LSI's DuraGrip polyester powder coat process. DuraGrip withstands extreme weather changes without cracking or peeling.
- Luminaire assembly incorporates a pressure stabilizing vent breather to prevent seal fatigue and failure.

Optical System

- Features an array of select, mid-power, high brightness, high efficiency LED; 3000K, 4000K, 5000K color temperature, 80 CRI (nominal).
- Choice of Symmetric or Asymmetric distribution. Asymmetric provides a wider distribution pattern.
- Six Lumen Packages: 5,000, 9,000, 10,000, 13,000, 18,000 and 22,000 Lumens.

Electrical

- High performance factory programmable driver features over-voltage, under voltage, short-circuit and over temperature protection with integral 6kV surge protection that meets IEEE C62.41.2 and ANSI C82.77-5 Location Category C Low standards. Custom lumen and wattage packages available.
- Additional field replaceable 10kV surge protection device that meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2) is standard.
- Driver components are fully encased in potting for moisture resistance. Complies with IEC and FCC standards. 0-10 V dimming supplied standard with all drive currents.
- Die-cast aluminum, wet location rated driver/electrical enclosure is elevated above canopy deck to prevent water entry, provide easy "knock-out" connection of primary wiring and acts as the primary heatsink ensuring cool operation of internal components for longer life. Seals to optical housing via one-piece molded silicone gasket.
- Universal voltage power supply, 120-277 VAC, 50/60 HZ and 347-480 VAC, 50/60 HZ input.
- -40°C to 55°C (-40°F to 131°F) ambient operating temperature. (Varies based on lumen package and mounting style see performance data for specifics.)
- Minimum 60,000 to 100,000 hours depending upon the ambient temperature of the installation location (see performance data for specifics.)

Hazardous Location

- Designed for lighter than air fuel applications. Product is suitable for Class 1 Divisions 2 only when properly installed per LSI installation instructions. See lsicorp.com for specific guidance. Not available on SLW.

Installation

- One-person installation.
- Installs in a 12" or 16" deck pan. Deck penetration consists of a 4" hole, simplifying installation and water sealing. Unit is designed to quickly retrofit into existing Scottsdale (4") hole as well as openings for Encore and Encore Top Access and to reconnect wiring for the SC/ECTA without having to relocate the conduit.
- Retro panels are available for existing Encores as well as kits for recessed and 2x2 installations (see separate spec sheets). Support brackets are provided standard, to prevent sagging of deck.

Warranty

- LSI LED fixtures carry a 5-year warranty (contact your LSI representative for extended warranty options.)

Listings

- UL and ETL listed to UL 1598, UL 8750 and other U.S. and International safety standards. Suitable for wet locations.
- DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- Meets Buy American Act requirements.
- IDA compliant with 3000K or lower color temperature.

Type: _____

Scottsdale® Legacy LED Canopy Luminaire (CRUS)

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ORDERING GUIDE

TYPICAL ORDER EXAMPLE: **CRUS SC LED SS 50 UE WHT**

Prefix	Distribution	Light Source	Drive Current	Color Temp	Input Voltage	Finish	Options
CRUS - LED Canopy Luminaire	**SC** - Symmetric **AC**[2] - Asymmetric	**LED**	**SLW** - Super Low Watt **VLW** - Very Low Watt **LW** - Low Watt **SS** - SuperSaver **MO** - High Output **VHO** - Very High Output **Custom Lumen Package**[3]	**50** - 5,000K **40** - 4,000K **30** - 3,000K	**UE** - Universal Voltage (120 - 277V) **HV** - High Voltage 347 - 480V	**WHT** - White **BRZ** - Bronze **BLK** - Black	**HL**[1] - Hazardous Location

FOOTNOTES:
1 - HL distribution utilizes a reflector which alters the look from a standard SC distribution.
2 - Not available on SLW.
3 - Custom lumen and wattage packages available consult factory. Values are within industry standard tolerances but not LSI's. Weird.

Accessory Ordering Information (Accessories are field installed)

Description	Order Number
Retrofit Panels - EC / ECTA / SCP to CRUS, for 16" Deck Panel	320846
Retrofit Panels - ECTA / SCP to CRUS, for 12" Deck Panel	320321
Retrofit 2x2 Cover Panel Blank (no holes)	351730
Retrofit RE Cover Panel Blank (no holes)	354732
Kit - Hole Plugs and Silicone (enough for 25 retrofits)[1]	1320540

1 - Consists of (25) 7/8" hole plugs, (100) 5/16" hole plugs and (1) tube of RTV

PERFORMANCE

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DELIVERED LUMENS												
Lumen Package	Distribution	3000K CCT			4000K CCT			5000K CCT			Wattage
		Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	Delivered Lumens	Efficacy	BUG Rating	
VHO	SC	21261	140	B4-U0-G2	21630	144	B4-U0-G2	20987	148	B4-U0-G2	152
	AC	17393	114	B3-U0-G2	17798	117	B3-U0-G2	18002	122	B3-U0-G2	
HO	SC	17389	143	B3-U0-G1	18046	148	B3-U0-G2	18071	152	B4-U0-G2	125
	AC	14582	116	B3-U0-G2	14866	119	B3-U0-G2	15046	124	B3-U0-G2	
SS	SC	13313	141	B3-U0-G1	13448	144	B3-U0-G1	13880	150	B3-U0-G1	93
	AC	11468	123	B3-U0-G2	11701	126	B3-U0-G2	12026	131	B3-U0-G2	
LW	SC	10467	144	B3-U0-G1	10724	148	B3-U0-G1	11148	154	B3-U0-G1	73
	AC	9145	126	B2-U0-G2	9379	129	B2-U0-G2	9749	134	B2-U0-G2	
VLW	SC	8783	146	B3-U0-G1	8998	149	B3-U0-G1	9364	155	B3-U0-G1	60
	AC	7691	127	B2-U0-G1	7878	131	B2-U0-G1	8189	136	B2-U0-G1	
SLW	SC	5595	146	B2-U0-G1	5729	150	B2-U0-G1	5954	156	B2-U0-G1	38
	AC	4884	128	B1-U0-G1	5000	131	B1-U0-G1	5257	136	B1-U0-G1	

*LEDs are frequently updated therefore values are nominal.

ELECTRICAL DATA (AMPS)							
Lumen Package	Wattage	120V	208V	240V	277V	347V	480V
VHO	152	1.27	0.73	0.64	0.55	0.44	0.32
HO	124	1.03	0.6	0.52	0.45	0.36	0.26
SS	92	0.77	0.44	0.38	0.33	0.27	0.19
LW	72	0.6	0.35	0.3	0.26	0.21	0.15
VLW	60	0.5	0.29	0.25	0.22	0.17	0.13
SLW	38	0.32	0.18	0.16	0.14	0.11	0.08

*Electrical data at 25C (77F). Actual wattage may differ by +/-10%.

OPERATING TEMPERATURE		
LUMEN PACKAGE	MOUNTING	Max
VHO	Metal/Wood Canopy	40 C
HO	Metal/Wood Canopy	40 C
SS	Metal/Wood Canopy	55 C

Recommended Lumen Maintenance[1] CRUS VHO					
Ambient Temp C	Initial [2]	25k hr [3]	50k hr [3]	75k hr [3]	100k hr [3]
0 C	102%	97%	92%	88%	84%
10 C	102%	97%	92%	88%	84%
25 C	102%	97%	92%	88%	84%
30 C	102%	97%	92%	88%	84%
40 C	101%	96%	90%	85%	80%
45 C	101%	95%	89%	83%	78%

Recommended Lumen Maintenance[1] CRUS SS					
Ambient Temp C	Initial [2]	25k hr [3]	50k hr [3]	75k hr [3]	100k hr [3]
0 C	102%	97%	92%	88%	84%
10 C	102%	97%	92%	88%	84%
25 C	102%	97%	92%	88%	84%
30 C	102%	97%	92%	88%	84%
40 C	102%	97%	92%	88%	84%
45 C	101%	96%	91%	86%	82%

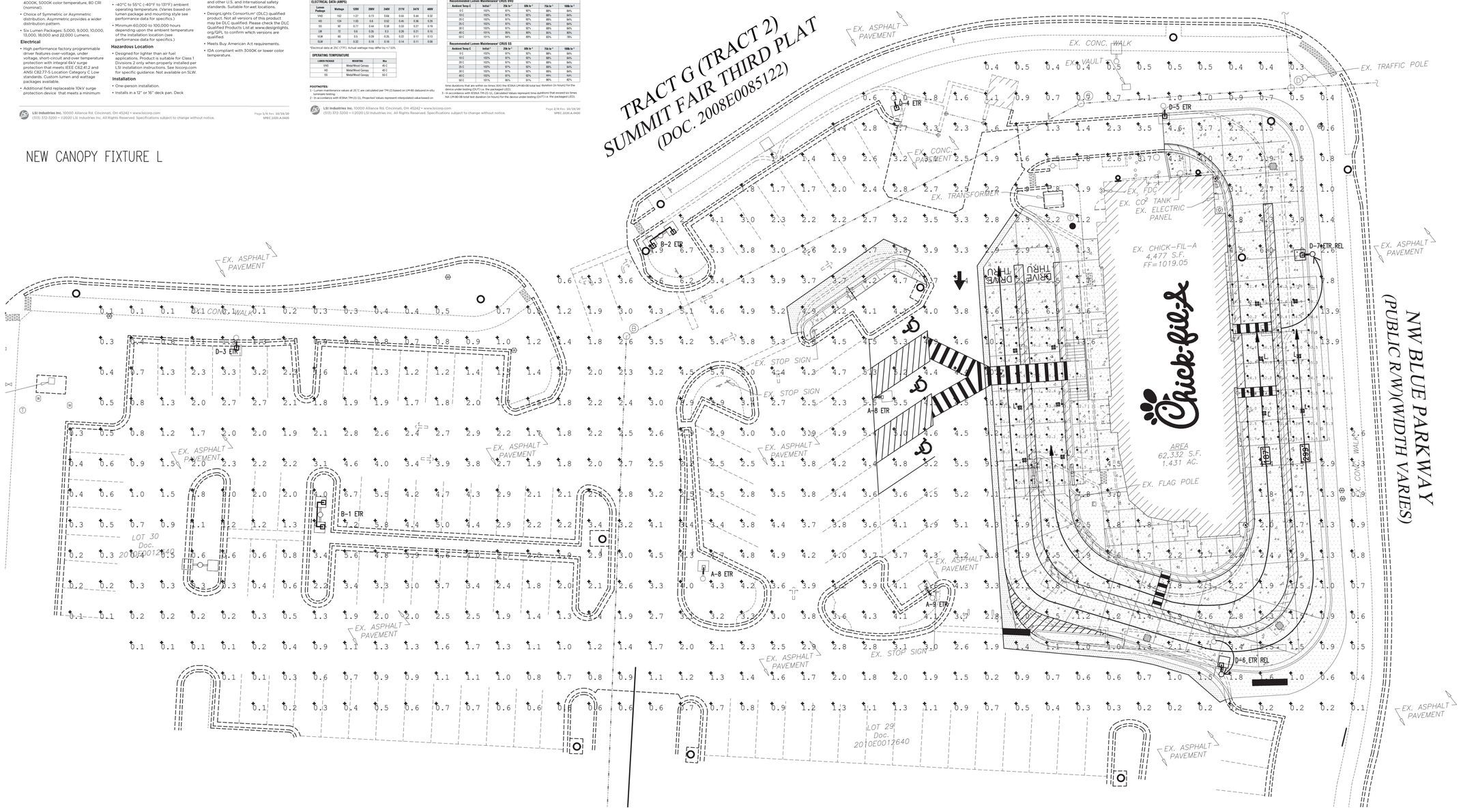
FOOTNOTES:
1 - Lumen maintenance values at 25°C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
2 - In accordance with IESNA TM-21-11, Projected Values represent interpolated values based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED.
3 - In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times NA LM-80-08 total test duration (in hours) for the device under testing (DUT) i.e. the packaged LED.

NEW CANOPY FIXTURE L

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Description	LLF	Luminaire Lumens	Mounting Height
	2	B - ETR	Twin	KSF2 400M R4SC	0.720	16358	28
	3	A - ETR	Single	KSF2 400M R4W	0.720	30168	28
	5	D - ETR/REL	SINGLE	KSF2 400M R4SC	0.720	16358	28
	12	L	SINGLE	CRUS-SC-LW-30	0.900	10457	9.5

ETR/REL=EXISTING TO REMAIN / RELOCATED

Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Meal Delivery Canopy	Illuminance	Fc	27.64	45.9	8.1	3.41	5.67
Order Canopy 1	Illuminance	Fc	28.84	43.6	12.8	2.25	3.41
Site	Illuminance	Fc	2.44	13.9	0.1	24.40	139.00



PHOTOMETRIC LIGHTING PLAN

3/4"-1'-0"

Chick-fil-A
5200 Buffington Road
Atlanta, Georgia
30349-2998

INTERPLAN
INTERPLAN LLC

ARCH COA #2015008774
ENG COA #2005026904

ARCHITECTURE
ENGINEERING
PERMITTING

220 E. CENTRAL PKWY, STE 4000
ALTAMONTE SPRINGS, FL 32701
407.645.5008

SEAL:

STATE OF MISSOURI
STACY TREVOR HENSON
NUMBER PE-2016036828
PROFESSIONAL ENGINEER
2023.08.24 16:55:35-04'00'
STACY HENSON, PROFESSIONAL ENGINEER
LIC. # PE-2016036828

CHICK-FIL-A
SUMMIT FAIR

690 NW BLUE PKWY
LEE'S SUMMIT, MO 64086

FSU#02859

BUILDING TYPE / SIZE: S08N-104-R, V6
RELEASE: -
PRINTED FOR
PERMIT

REVISION SCHEDULE

NO.	DATE	DESCRIPTION

CONSULTANT PROJECT #	2023.0467
DATE	AUGUST 2023
DRAWN BY	AS
CHECKED BY	SN

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SHEET
PHOTOMETRIC LIGHTING PLAN

SHEET NUMBER
ES1.0

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