Catalog # : _____ Project : _____

Prepared By : _____ Date : _____

Scottsdale® Legacy (CRUS)

LED Canopy Luminaire

OVERVIEW	
Lumen Package	6,000 - 22,000
Wattage Range	61 - 159
Efficacy Range (LPW)	95 - 148
Weight lbs(kg)	27 (12.2)

QUICK LINKS

Ordering Guide | Performance | Photometrics | Dimensions

FEATURES & SPECIFICATIONS

Construction

- Features a ultra-slim 3/4" profile die-cast housing, with flat glass lens. Unit is water-resistant, sealed and IP67 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 chips; 5000K, 4000K, 3000K color temperature, 70 CRI.
- Choice of Symmetrical or Asymmetrical, which directs light through a clear tempered glass lens, to provide a uniform distribution.
- Five Lumen Packages: VLW (9,000), LW (10,000), SS (13,000), HO (18,000), VHO (22,000).

Electrical

- High performance factory programmable driver features over-voltage, under voltage, short-circuit and over temperature protection with integral surge protection that meets IEEE C62.41.2 and ANSI C82.77-5 Location Category C Low standards. Additional 10kV surge protection device meets a minimum Category C Low standards (per ANSI/IEEE C62.41.2).
- 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 contributes to attaining the lowest operating temperatures available. 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 50°C (-40°F to +122°F) ambient operating temperature.
- Minimum 60,000 to 100,000 hours depending upon the ambient temperature of the installation location. See LSI website for specific guidance.

Hazardous Locaiton

- Designed for lighter than air fuel applications. Product is suitable for Class 1 Divisions 2 only when properly installed per LSI installation intructions. See lsi-industries.com for specific guidance. LW and SS lumen packages only.

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 or 10-year warranty with registration for petroleum applications only (contact your LSI representative for details).

Listings

- UL and ETL listed to UL 1598, UL 8750 and other U.S. and International safety standards. Suitable for wet locations.
- Meets Buy American Act requirements.

Scottsdale® Legacy LED Canopy Luminaire

ORDERING GUIDE

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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** - Symmentric **AC**[1] - Asymmetric	**LED**	**VLW -** Very Low Watt **LW -** Low Watt **SS -** Super Saver **HO -** High Output **VHO -** Very High Output	**50** - 5,000K **40** - 4,000K **30** - 3,000K	**UE** - Universal Voltage (120 - 277V) **347 - 480V**	**WHT** - White **BRZ** - Bronze **BLK** - Black	**HL**[2] - Hazardous Location

Notes:
1 - AC distribution utilizes a reflector which alters the look from a standard SC distribution.
2 - LW and SS lumen packages only

PERFORMANCE

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DELIVERED LUMENS*

Lumen Package	Distribution	3000K CCT			4000K CCT			5000K CCT			Avg. Watts
		Delivered Lumens	Efficacy	BUG Ratings	Delivered Lumens	Efficacy	BUG Ratings	Delivered Lumens	Efficacy	BUG Ratings	
VLW	SC	7933	130	B3-U0-G1	7977	131	B3-U0-G1	9055	148	B3-U0-G1	61
	AC	6687	110	B2-U0-G1	6723	110	B2-U0-G1	7632	125	B2-U0-G2	
LW	SC	9221	125	B3-U0-G1	9272	125	B3-U0-G1	10525	142	B3-U0-G1	74
	AC	7783	105	B2-U0-G1	7826	106	B2-U0-G1	8884	120	B2-U0-G2	
SS	SC	11980	122	B3-U0-G1	12046	128	B3-U0-G1	13674	140	B3-U0-G1	98
	AC	10159	104	B3-U0-G2	10215	104	B3-U0-G2	11595	118	B3-U0-G2	
HO	SC	16325	124	B3-U0-G1	16415	124	B3-U0-G1	18633	141	B3-U0-G1	132
	AC	13269	101	B3-U0-G2	13342	101	B3-U0-G2	15145	115	B3-U0-G2	
VHO	SC	19641	124	B4-U0-G2	19749	124	B4-U0-G2	22418	141	B4-U0-G2	159
	AC	15124	95	B3-U0-G2	15207	96	B3-U0-G2	17262	109	B3-U0-G2	

*LED Chips are frequently updated therefore values are nominal.

RECOMMENDED LUMEN MAINTENANCE

Ambient Temperature C	0 hrs.	25K hrs.	50K hrs.	75K hrs.	100K hrs
25	25	100%	97%	92%	88%
30	30	100%	97%	92%	88%
35	40	100%	95%	90%	85%
40	50	100%	94%	89%	83%

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 value 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 chip).
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 chip).

PHOTOMETRICS

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Luminaire photometry has been conducted by an accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.

See http://www.lsi-industries.com/products/led-lighting-solutions.aspx for detailed photometric data.

CRUS-SC-SS-50

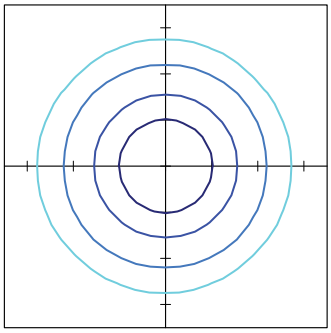
LUMINAIRE DATA

Wide Distribution	
Description	5000 Kelvin, 70 CRI
Delivered Lumens	13,674
Watts	97.9
Efficacy	140
IES Type	Type VS - Very Short
BUG Rating	B3-U0-G1

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	3652.2	26.7%
Medium (30-60)°	7382.4	54.0%
High (60-80)°	2489.8	18.2%
Very High (80-90)°	149.4	1.1%
Uplight (90-180)°	0.0	0.0%
Total Flux	13673.8	100%

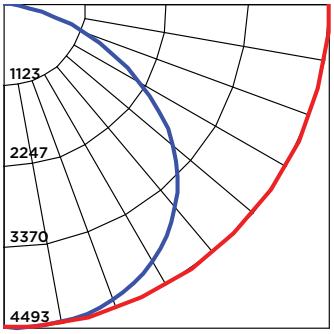
ISO FOOTCANDLE PLOT



15' Mounting Height / 10' Grid Spacing

10 FC 5 FC 2 FC 1 FC

POLAR CURVE



CRUS-AC-SS-50

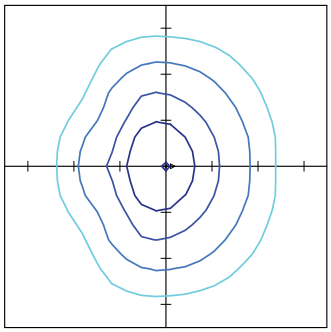
LUMINAIRE DATA

Wide Distribution	
Description	5000 Kelvin, 70 CRI
Delivered Lumens	11595
Watts	98.8
Efficacy	117
IES Type	Type III - Very Short
BUG Rating	B2-U0-G2

Zonal Lumen Summary

Zone	Lumens	%Luminaire
Low (0-30)°	2766.0	23.9%
Medium (30-60)°	5868.8	50.6%
High (60-80)°	2712.2	23.4%
Very High (80-90)°	248.1	2.1%
Uplight (90-180)°	0.0	0.0%
Total Flux	11595.1	100%

ISO FOOTCANDLE PLOT



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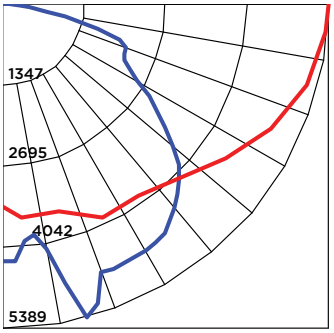

PRODUCT DIMENSIONS

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