



Catalog #: _____ Project: _____ Type: _____

Prepared By: _____ Date: _____

Small Canopy Fixture (RDG)

Canopy Luminaire



IP66



OVERVIEW

Lumen Package (lm)	5,000 - 21,000
Wattage Range (W)	33 - 144
Efficacy Range (LPW)	132 - 157
Weight lbs (kg)	16 (7.2)

QUICK LINKS

[Ordering Guide](#)[Performance](#)[Photometrics](#)[Dimensions](#)

FEATURES & SPECIFICATIONS

Construction

- Features a ultra-slim 7/8" profile die-cast housing, with flat clear or diffused polycarbonate plastic 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 a polyester powder coat process.
- 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; 2700K, 3000K, 4000K, 5000K color temperature, 80 CRI (nominal).
- Choice of Symmetric or Combination Forward Throw distributions.
- Standard lens is clear to maximize brightness of the luminaire. Optional diffuse lens is available.
- Eight Lumen Packages ranging from 5,000 to 21,000 lumens.

Electrical

- Industry leading thin profile optical assembly features first of its kind integrated driver design. The optical assembly unit houses both the LED array and the LED driver eliminating the need for an external driver and driver enclosure.

- 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.
- Additional field replaceable 10kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).
- Custom lumen and wattage packages available.
- Standard Universal Voltage (120-277 VAC) Input 50/60 HZ or optional High Voltage (347-480 VAC)
- Operating Temperature
- Mounted to Steel/Aluminum
 - 10L, 13L, 15L: -40C to +50C (-40F to +122F)
 - 20L: -40C to +45C (-40F to +133F)
 - 23L: -40C to +35C (-40F to +95F)
- Mounted to non-metallic surfaces
 - Reduce all ambient temperature by 5C (9F)
- Minimum 60,000 to 100,000 hours depending upon the ambient temperature of the installation location (see performance data for specifics.)

Installation (Standard)

- One-person installation.
- Installs in a 5" to 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.

Installation

- Locking collar, stem kit, gasket and junction box are included and required for complete seal and support of canopy deck.
- Installs in 5" to 16" deck pan. Designed to reduce canopy penetrations and increase installation efficiency.
- Must have access to top of luminaire to secure locking collar.

Warranty

- LSI luminaires carry a 5-year limited warranty. Refer to <https://www.lsicorp.com/resources/terms-conditions-warranty/> for more information.

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) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.
- Meets Buy American Act requirements.
- DarkSky approved with 3000K or lower color temperature and symmetric distribution.



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ORDERING GUIDE

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TYPICAL ORDER EXAMPLE: RDG SC 13L 840 UNV WHT							
Prefix	Distribution	Lumen Package	CRI/CCT	Input Voltage	Finish	Mounting	Options
RDG - Small Canopy	SC - Symmetric	5L - 5,000 Lumens 7L - 7,000 Lumens 10L - 10,000 Lumens 13L - 13,000 Lumens 15L - 15,000 Lumens 18L - 18,000 Lumens 21L - 21,000 Lumens	840 - 80CRI/4000K 850 - 80CRI/5000K <u>DarkSky Approved CCTs</u> 827 - 80CRI/2700K 830 - 80CRI/3000K	UNV - Universal Voltage (120-277V) HV - High Voltage (347-480V)	WHT - White BRZ - Bronze BLK - Black	Standard - Stem & Junction Box	Standard - Clear Lens (CLR) DFL - Diffuse Lens SP1 - 10kV Surge Protection
	SCFT - Combination Standard Symmetric and Forward Throw	21L - 21,000 Lumens <u>Optional Selectability</u> 3SLO - 7L/11L/15L 3SHO - 12L/16L/21L					



Need more information?
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ACCESSORY ORDERING INFORMATION

Part Number	Description
731039	Retrofit Panel Kit for 16" openings
731040	Retrofit Panel Kit for 12" openings
673426R5	Retrofit Panel Kit – RECU Richmond (see SCV Datasheet)
357282	Retrofit 2X2 Cover Panel Blank
354702	Retrofit RIC Cover Panel Blank
564160WHT	26" X 32" Beauty Plate
557193WHT	26" X 26" Beauty Plate
678291R5WHT	Rectangular Top Plate Kit (see SCV Datasheet)

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PERFORMANCE

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Delivered Lumens											
Lumen Package	Distribution	CRI	2700K CCT		3000K CCT		4000K CCT		5000K CCT		Wattage
			Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
5L	SC	80	4582	141	4616	141	4927	151	4989	153	33
7L	SC	80	6287	143	6333	144	6760	154	6845	156	44
10L	SC	80	8772	144	8837	145	9432	155	9551	157	61
13L	SC	80	11732	141	11819	142	12615	152	12774	154	83
15L	SC	80	13714	140	13816	141	14746	150	14932	152	98
18L	SC	80	16390	136	16512	137	17624	146	17846	148	121
21L	SC	80	18757	132	19123	133	20490	143	20689	144	144
21L	DFL	80	16778	118	16902	118	18041	126	18268	128	142
21L	FT	80	17619	122	18084	126	18958	132	19439	135	144

*LED Chips are frequently updated therefore values are nominal.

Electrical Data (AMPS)							
Lumen Package	Wattage	120V	208V	240V	277V	347V	480V
5L	33	0.27	0.16	0.14	0.12	0.09	0.07
7L	44	0.37	0.21	0.18	0.16	0.13	0.09
10L	61	0.51	0.29	0.25	0.22	0.18	0.13
13L	83	0.69	0.40	0.34	0.30	0.24	0.17
15L	98	0.82	0.47	0.41	0.35	0.28	0.20
18L	121	1.01	0.58	0.50	0.44	0.35	0.25
21L	144	1.20	0.69	0.60	0.52	0.41	0.30

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

Delivered Lumens												
Lumen Package	Distribution	Switch Setting	CRI	2700K CCT		3000K CCT		4000K CCT		5000K CCT		Wattage
				Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	Delivered Lumens	Efficacy	
15L 3SLO	SC	Low	80	6650	146	6700	147	7151	157	7241	159	46
15L 3SLO	SC	Medium	80	10149	146	10224	147	10913	157	11050	159	70
15L 3SLO	SC	High	80	13780	143	13882	144	14818	154	15004	156	96
21L 3SHO	SC	Low	80	9548	144	9735	147	10431	157	10532	159	66
21L 3SHO	SC	Medium	80	14245	140	14523	143	15561	153	15712	155	101
21L 3SHO	SC	High	80	19130	135	19503	137	20897	147	21100	148	142

*LED Chips are frequently updated therefore values are nominal.

Recommended Lumen Maintenance ¹ RDG 21L					
Ambient Temperature °C	Initial ²	25k hr ²	50k hr ²	75k hr ²	100k hr ²
0 C	101%	96%	91%	86%	82%
10 C	101%	96%	91%	86%	82%
20 C	101%	96%	91%	86%	82%
25 C	101%	96%	91%	86%	82%
30 C	100%	95%	90%	86%	82%
40 C	100%	95%	90%	86%	82%
45 C	100%	95%	90%	86%	82%

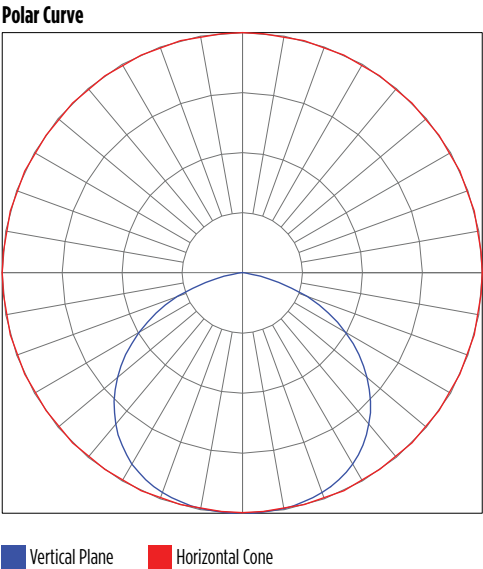
1 Lumen maintenance values at 25 °C are calculated per TM-21 based on LM-80 data and in-situ luminaire testing.
2 In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for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

PHOTOMETRICS

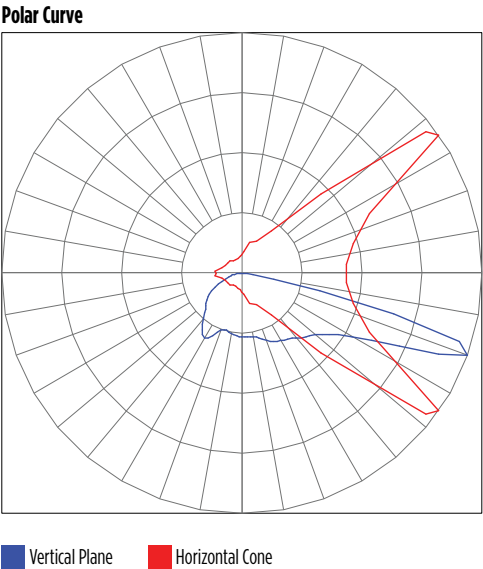
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Luminaire photometry has been conducted by an accredited testing laboratory in accordance with IESNA LM-79-08. As specified by IESNA LM-79-08 the entire luminaire is tested as the source resulting in a luminaire efficiency of 100%.
See the individual product page on <https://www.lsicorp.com/> for detailed photometric data.

Polar Plot (RDG-SC)



Polar Plot (RDG-SCFT)



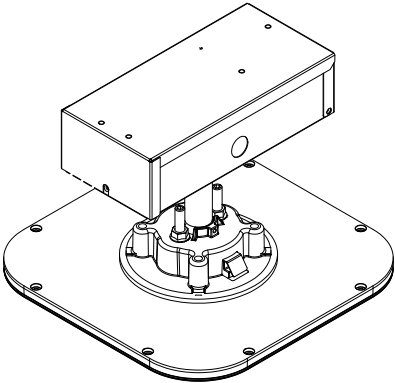
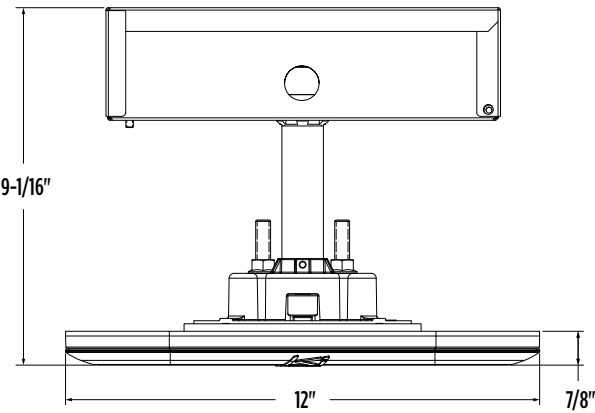
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PRODUCT DIMENSIONS

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Standard Version

Forward Throw (FT) Version

