Lumecon
WORKMEN SERIES

LWS-RCS
LED Recessed Canopy Soffit

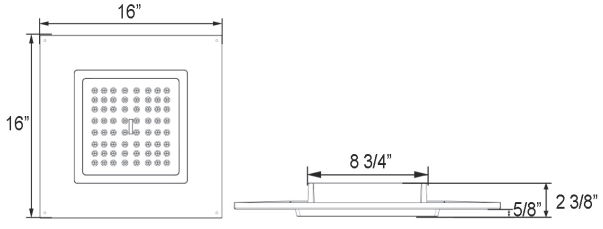
Catalog Number:	
Project:	
Comments:	
Prepared By:	Date:

Description

The LWS-RCS Recessed Canopy/Soffit Replacement is available with an optical distribution designed to replace HID lighting systems up to 250w MH or HPS. The low profile housing is designed to replace existing recessed canopy lights up to 12” round or square, and can be used in new construction. Typical applications include covered entryways and soffits in retail centers, schools and universities, office buildings and medical facilities. Mounting heights of 12 to 16 feet can be used based on light level and uniformity requirements.

Dimensions & Weights

Model	Width	Length	Height
LWS-RCS	16”	16”	2 3/8”



Technical Specifications

HOUSING: Die Cast Aluminum Driver Compartment with Formed Steel Plate.

LENS: Molded UV-Stabilized Acrylic Optical Lens.

MOUNTING: Recessed mount

FINISH: White Powdercoat Finish Over a Chromate Conversion Coating. Custom Colors Available Upon Request.

COLOR TEMPERATURE: 3000K, 4000K, and 5000K.

LED LIFETIME: All LEDs are rated for a minimum of 100,000 hours of continuous operation at ambient outdoor temperatures from -40°F/-40°C to 115°F/46°C.

COLOR RENDERING INDEX (CRI): 80.

DIMMING: 0-10V standard dimming capability.

SURGE SUPPRESSION: 2kV

DRIVER: Electronic Driver, 120-277V, 50/60Hz; 347V, 50/60Hz (30 & 37w Model Only); or 347-480V, 50/60Hz (30 & 37w Model Only) Less Than 20% THD and PF>0.90. Standard Internal Surge Protection 6kV. 0-10V Dimming Standard for a Dimming Range of 100% to 10%; Dimming Source Current is 150 Microamps.

CERTIFICATION DATA: CSA: Listed for Wet Locations, ANSI/UL 1598, 8750; IP54 Sealed LED Compartment

BUY AMERICAN: The product is assembled in the USA and meets the Buy America(n) government procurement requirements under FAR, DFARS, and DOT regulations.

WARRANTY: 5-Year Warranty for -40°C to +50°C Environment.

Email: sales@lumecon.com Website: www.lumecon.com Phone: 248-477-5009

Note: Specifications and photometric data are subject to change at any time without notice.
Please see www.lumecon.com for current specifications and documentation.

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Ordering Information

LWS-RCS – Options / Ordering Example: LWS-RCS-F-1x30-U-3K-W-SF

Model	Optics	Wattage	Driver	Color Temperature	Color	Optics
LWS-RCS	F - Type V	1X30 - 30w (3K,4K Only)	U - 120-277V	3K - 3000K	W - White	SF - Single Fuse*
		1X37 - 37w (4K Only)	C - 347V*	4K - 4000K	CC - Custom	DF - Double Fuse*
		1X48 - 48w (4K, 5K Only)	H - 347-480V*	5K - 5000K		SP - Surge Protection
		1X65 - 65w (4K Only)				BU - Battery Backup, 90 minutes*
			30 & 37W only			BUC - Cold Start Battery Backup, -20°C, 90 Minutes*
						120-277V Models Only

Performance Data

				3000K					4000K					5000K				
LED Board Watts	Drive Current (mA)	Input Watts	Optics	Lumens	Efficacy	B	U	G	Lumens	Efficacy	B	U	G	Lumens	Efficacy	B	U	G
30W	525	34	Type V	4,590	135	2	1	1	4,776	141	2	1	1	-	-	-	-	-
37W		43		-	-	-	-	-	5,890	137	2	1	1	-	-	-	-	-
48W		55		-	-	-	-	-	7,642	139	3	1	1	7,939	144	3	1	1
65W		75		-	-	-	-	-	10,348	138	3	1	1	-	-	-	-	-

Projected Lumen Maintenance

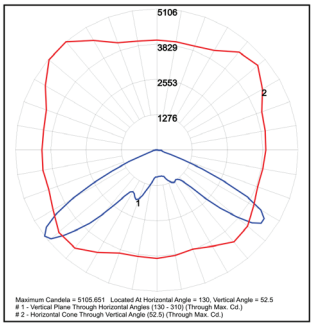
Projected per IESNA TM-21-11. Data references the extrapolated performance projections for the 525mA base model in a 25°C ambient, based on 10,000 hours of LED testing per IESNA LM-80-08.

Compare to MH box indicates suggested Light Loss Factor (LLF) to be used when comparing to Metal Halide (MH) systems.

Data shown for 5000 CT TM-21-11	Input Watts	Initial	Compare to MH 25,000 Hrs	50,000 Hrs	100,000 Hrs	Calculated LED Life
L70 Lumen Maintenance @ 25°C / 77°F	All wattages up to and including 55w	1.00	0.97	0.86	0.86	219,000
L70 Lumen Maintenance @ 50°C / 122°F		1.00	0.96	0.82	0.82	114,000
L80 Lumen Maintenance @ 40°C / 104°F		1.00	0.95	0.78	0.78	93,000

Photometric Data

LWS-RCS-F-1x65-U-4K
Type V



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