

ULTRA LED™ RT8

Recessed Downlight Kit



The SYLVANIA ULTRA LED RT8 unit is an eight-inch LED recessed downlight kit creating high performing white light which is optimized for new construction and retrofit applications. Installation is done quickly and easily in most standard eight-inch frames.

Quality of Light

The SYLVANIA ULTRA LED RT8 provides excellent color rendering (up to 90 CRI), and a wide selection of color temperatures (3000K, 3500K, 4000K, 5000K). LEDs have virtually no UV or infrared radiation to damage or fade furnishings, art or other objects.

Optical Design

Optical design efficiently directs light output in an 80° beam angle with low glare.

Application Information

Applications

- Healthcare
- Hospitality
- Office
- Property Management
- Residential
- Retail

Key Features & Benefits

- Lumen Package:
 - 2000 lumens @ 27W (120/277V)
 - 2000 lumens @ 23W (347V)
 - 3000 lumens @ 40W (120/277V)
 - 5000 lumens @ 54W (120/277V)
- Replacement for 32W and 42W CFL pin base lamps
- Fits in standard 8" CFL mounting frame
- CCT: 3000K, 3500K, 4000K, 5000K (see offerings below)
- CRI of up to 90
- 50,000 hour life (L₇₀)
- Suitable for dry, damp and wet locations
- UL1598 Listed and Classified for stand-alone and retrofit applications
- 0-10V dimmable (3000lm only)
- Reduces energy consumption up to 50%
- 120/277V or 347V input voltage
- Lasts up to 3 times longer than CFL pin base lamps
- No warm-up time, instant-on with full light output and stable lamp to lamp color
- Integrated white trim, white baffle reflector and metal conduit adaptor (included) for direct replacement
- Suitable for use in 10" applications using optional trim extender accessory

Product Offering

Ordering Abbreviation	Wattage	Color Temperature	CRI
LED/RT8/2000	27	3000K, 3500K, 4000K	82
LED/RT8/2000-347V	23	3000K, 4000K, 5000K	82
LED/RT8/3000	40	3000K, 3500K, 4000K	90
LED/RT8/5000	54	3000K, 3500K, 4000K	82

Specifications and Certifications



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Specifications

Energy Data

Minimum Starting Temp: 0°C to -20°C (32°F to -4°F)

EMI/RFI: FCC Title 47 CFR, Part 15, Class B

Sound Rating: <24dBA

Input Voltage: 120-277V & 347V

Power Factor: >0.90

Input Frequency: 60Hz

THD: <20%

Input Power: 23W, 27W, 40W, 54W

Maximum Ambient Operating Temperature (Non-Insulated Ceiling): 40°C (104°F)

Lighting Data

Lumen Output: 2000, 3000, 5000

Lumens per Watt: Up to 86

Color

Correlated Color Temperature (CCT): 3000K, 3500K, 4000K, 5000K

Color Rendering Index (CRI): 82, 90

R9: 15

Product Weight: 2.3 lbs.

Ordering Information

Item Number	Ordering Abbreviation	Input Voltage (V)	Recessed Housing	Replaced CFL Wattage	Nominal Wattage (W)	Delivered Light Output (lm)	LPW	Color Temperature	CRI	Avg. Rated Life (hrs.)*	Dimmable
72503	LED/RT8/2000/830	120/277	8"	2X26W 1X42W	27	2000	74	3000K	82	50,000	No
72504	LED/RT8/2000/835	120/277	8"	2X26W 1X42W	27	2000	74	3500K	82	50,000	No
72509	LED/RT8/2000/840	120/277	8"	2X26W 1X42W	27	2000	74	4000K	82	50,000	No
75397	LED/RT8/2000/830/347V	347	8"	2X26W 1X42W	23	2000	86	3000K	82	50,000	No
75398	LED/RT8/2000/840/347V	347	8"	2X26W 1X42W	23	2000	86	4000K	82	50,000	No
75399	LED/RT8/2000/850/347V	347	8"	2X26W 1X42W	23	2000	86	5000K	82	50,000	No
72625	LED/RT8/3000/930	120/277	8"	2X32W	40	3000	75	3000K	90	50,000	Yes (0-10V Low Voltage)
72626	LED/RT8/3000/935	120/277	8"	2X32W	40	3000	75	3500K	90	50,000	Yes (0-10V Low Voltage)
72628	LED/RT8/3000/940	120/277	8"	2X32W	40	3000	75	4000K	90	50,000	Yes (0-10V Low Voltage)
79740	LED/RT8/5000/830	120/277	8"	2X42W	54	5000	92	3000K	82	50,000	Yes (0-10V Low Voltage)
79741	LED/RT8/5000/835	120/277	8"	2X42W	54	5000	92	3500K	82	50,000	Yes (0-10V Low Voltage)
79742	LED/RT8/5000/840	120/277	8"	2X42W	54	5000	92	4000K	82	50,000	Yes (0-10V Low Voltage)

* LED lamp life is defined as the number of hours when 50% of an average group of identical lamps reached 70% of its initial lumens.

Ordering Guide

LED	/	RT8	/	2000	/	8	/	30	/	347V
LED		Product Name		Light Output		CRI >80		Color		Input Voltage
		RT8		2000lm, 3000lm, 5000lm				Temperature		347V
		8 = fits 8" frames						3000K, 3500K, 4000K		

Energy Savings

Basic Product Description	LED		Traditional Lamp Type	Lumens	Life	Watts Saved With RT8	RT8 Energy Savings*	RT8 Life Benefit
	Lumens	Life						
RT8 27W	2000	50,000	Compact Fluorescent	2400	16,000	Up to 15	\$82.50	3X
RT8 23W	2000	50,000	Compact Fluorescent	2400	16,000	Up to 19	\$104.50	3X
RT8 40W	3000	50,000	Compact Fluorescent	2400	16,000	Up to 24	\$132.00	3X
RT8 54W	3000	50,000	Compact Fluorescent	2400	16,000	Up to 30	\$165.00	3X

* Based on \$0.11/kWh over 50,000 hours life.

Accessories

RT8 Trim

75092 RT8TRIMALZAK

75093 RT8TRIMSN

Trim Ring Extender

75083 RT8/10/TRIMEXT



Alzak 75092

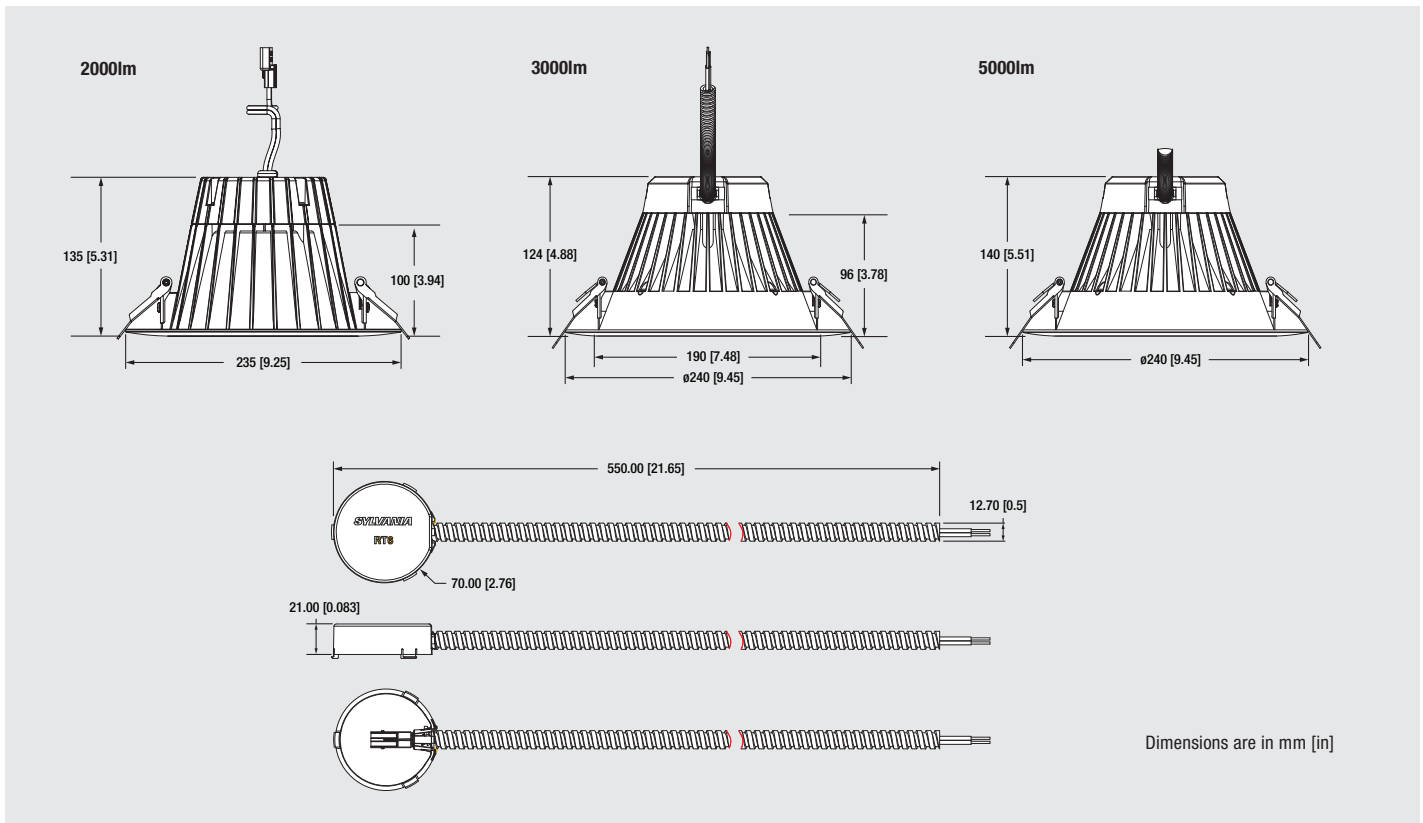


Satin 75093

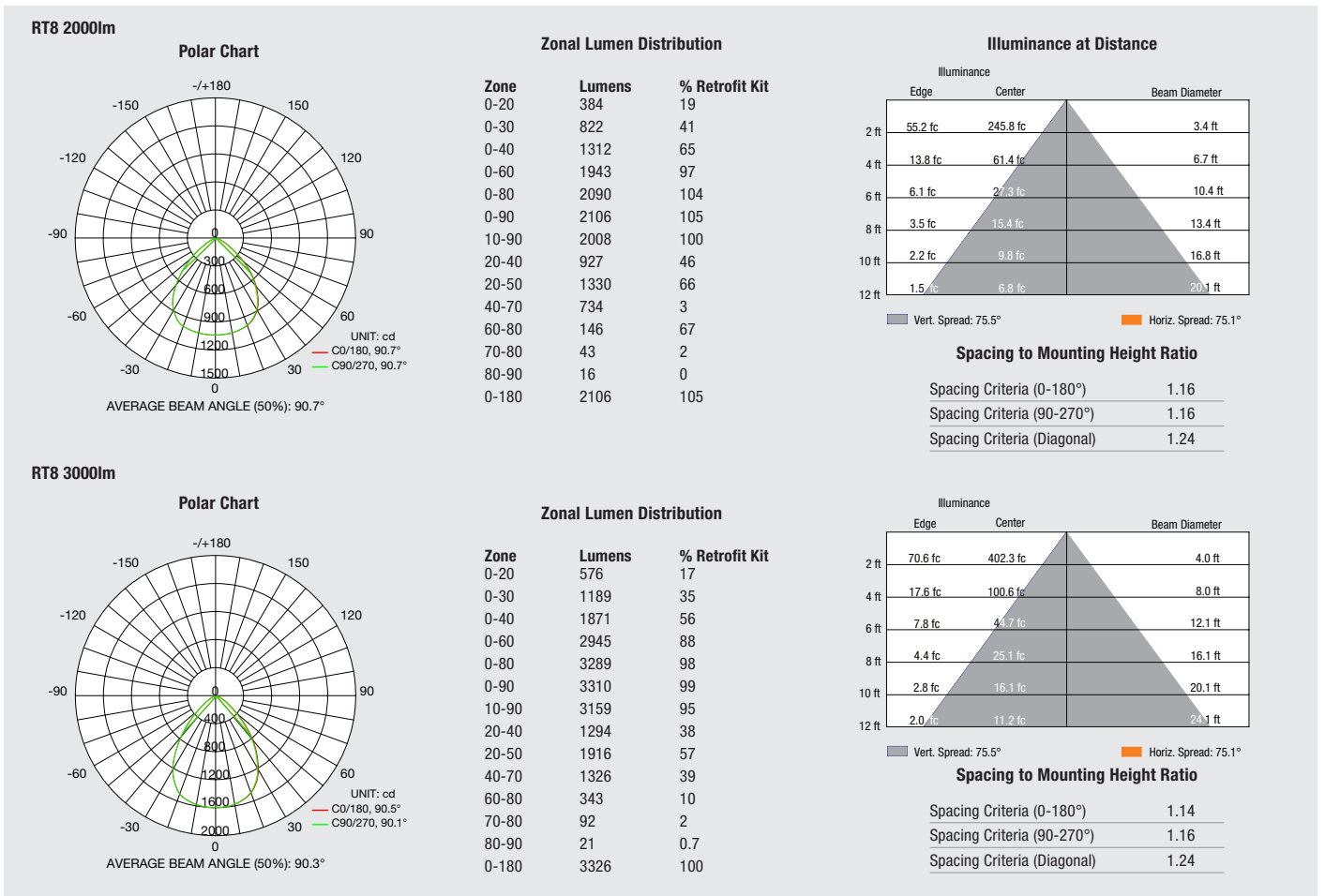


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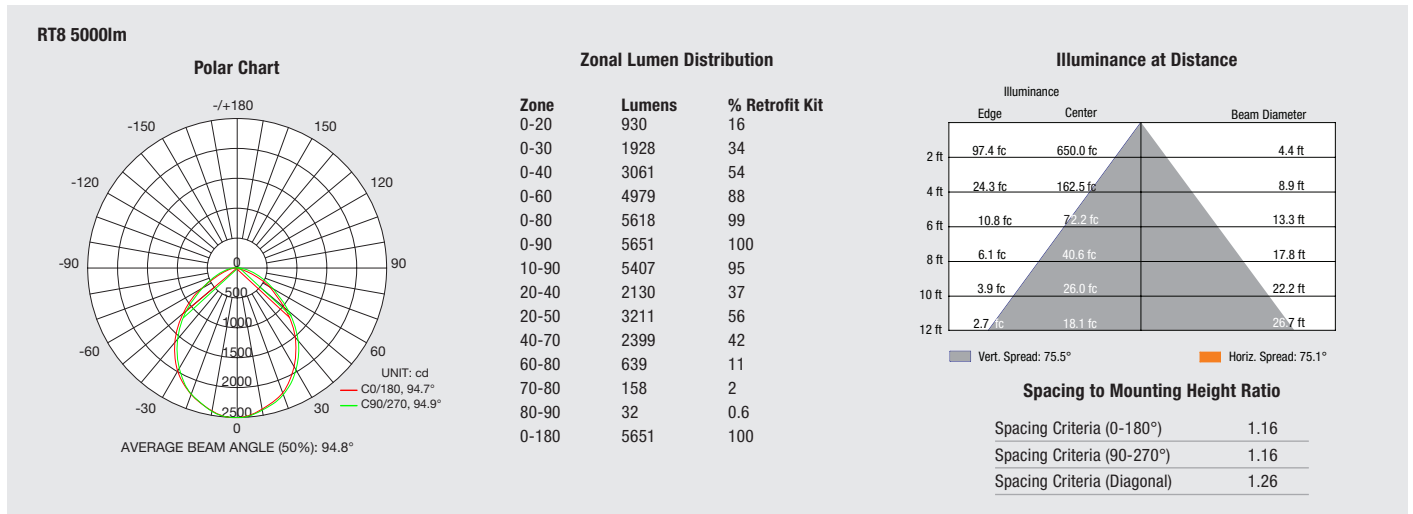
Assembly Diagram



Photometric Information



Photometric Information (continued)



Application Information

Application Notes

1. Operating temperature range between -4°F and +104°F (-20°C and +40°C).
2. Suitable for indoor/outdoor use, including dry, damp and wet location environments.
3. Designed to install in standard 8" CFL mounting frame. For a list of compatible housings, please refer to www.sylvania.com/RT8.
4. For detailed warranty information, please see www.sylvania.com/RT8.
5. For installation in non-insulated ceilings: If insulation is present, it may be placed around the retrofit kit as long as a three-inch space is maintained around the kit.
6. Installation performed as a stand-alone kit (without frame) is recommended for hard ceiling. Installation of a recessed incandescent frame is recommended for tiled ceiling application for proper support of the retrofit kit.
7. Compatible with Philips Bodine model ELI-S-20 and IOTA model IIS-125 Emergency Lighting Inverters.

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