ULTRA LED™ RT8

Recessed Downlight Kit

The SYLVANIA ULTRA LED RT8 unit is an eight-inch LED recessed down-light 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 (82 CRI), and a 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.

Key Features & Benefits

- Lumen Package:
  2000 lumens @ 27W (120/277V)
  2000 lumens @ 23W (347V)
- 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 82
- 50,000 hour life (L_{70})
- Suitable for dry, damp and wet locations
- UL1598 Listed and Classified for stand-alone and retrofit applications
- 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

Application Information

Applications

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

Specifications and Certifications

SYLVANIA

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

Input Current: 0.20A @ 120V; 0.10A @ 277V; 0.074A @ 347V

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

Lighting Data

Lumen Output: 2000

Lumens per Watt: Up to 86

Color

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

Color Rendering Index (CRI): 82

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)	Color Temperature	CRI	Avg. Rated Life (hrs.)*
72503	LED/RT8/2000/830	120/277	8"	32W, 42W	27	2000	3000K	82	50,000
72504	LED/RT8/2000/835	120/277	8"	32W, 42W	27	2000	3500K	82	50,000
72509	LED/RT8/2000/840	120/277	8"	32W, 42W	27	2000	4000K	82	50,000
75397	LED/RT8/2000/830/347V	347	8"	32W, 42W	23	2000	3000K	82	50,000
75398	LED/RT8/2000/840/347V	347	8"	32W, 42W	23	2000	4000K	82	50,000
75399	LED/RT8/2000/850/347V	347	8"	32W, 42W	23	2000	5000K	82	50,000

* 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 RT8 8 = fits 8" frames		Light Output 2000lm		CRI >80	Color Temperature 3000K		Input Voltage 347V

Energy Savings

Basic Product Description	LED Lumens	LED Life	Traditional Lamp Type	Lumens	Life	Watts Saved With RT8	RT8 Energy Savings*	RT8 Life Benefit
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

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

Accessories

RT8 Trim

75092	RT8TRIMALZAK
75093	RT8TRIMSN

Trim Ring Extender

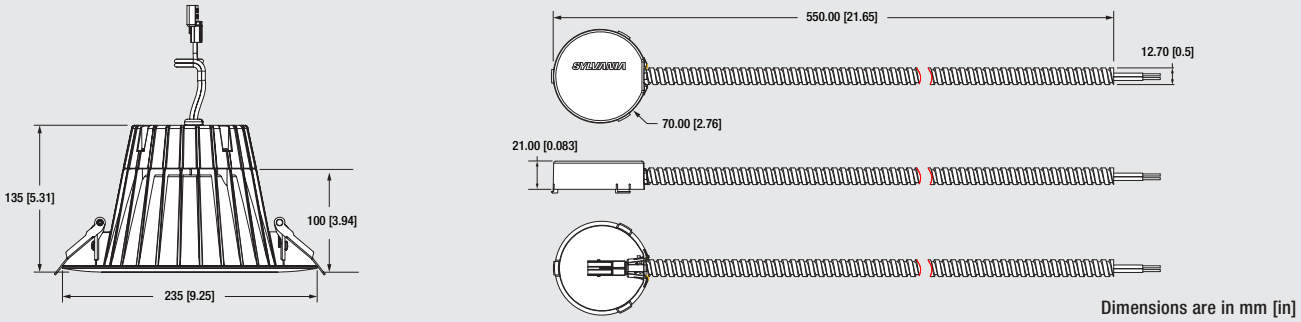
75083	RT8/10/TRIMEXT

Alzak 75092

Satin 75093

75083

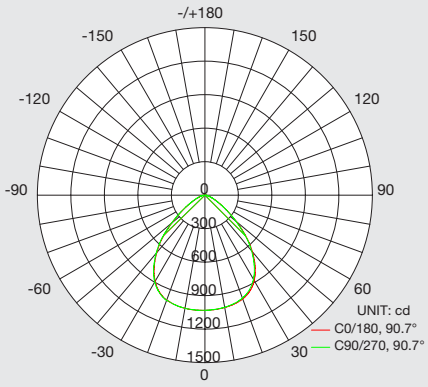
Assembly Diagram



Dimensions are in mm [in]

Photometric Information

Polar Chart

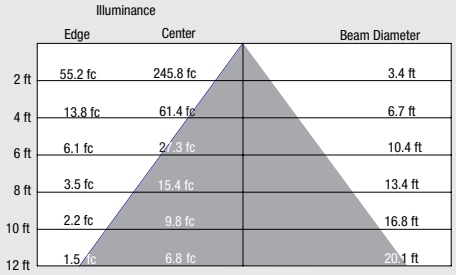


AVERAGE BEAM ANGLE (50%): 90.7°

Zonal Lumen Distribution

Zone	Lumens	% Retrofit Kit
0-20	384	19
0-30	822	41
0-40	1312	65
0-60	1943	97
0-80	2090	104
0-90	2106	105
10-90	2008	100
20-40	927	46
20-50	1330	66
40-70	734	3
60-80	146	67
70-80	43	2
80-90	16	0
0-180	2106	105

Illuminance at Distance



Spacing to Mounting Height Ratio

Spacing Criteria (0-180°)	1.16
Spacing Criteria (90-270°)	1.16
Spacing Criteria (Diagonal)	1.24

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. Compatible with Philips Bodine ELI-S-20 Emergency Lighting Micro Inverter.
4. Designed to install in standard 8" CFL mounting frame. For a list of compatible housings, please refer to www.sylvania.com/RT8.
5. For detailed warranty information, please see www.sylvania.com/RT8.
6. Not intended for use in dimming applications.
7. 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.
8. 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.
9. Compatible with Philips Bodine model ELI-S-20 and IOTA model IIS-125 Emergency Lighting Inverters.

OSRAM SYLVANIA Inc.
200 Ballardvale Street
Wilmington, MA 01887 USA
Phone 1-800-LIGHTBULB (1-800-544-4828)
www.sylvania.com

SYLVANIA is a registered trademark of OSRAM SYLVANIA Inc.
ULTRA LED is a registered trademark of OSRAM SYLVANIA Inc.
LED CREATING TOMORROW is a registered trademark of OSRAM GmbH.
Specifications subject to change without notice.

/sylvania /sylvania

© 2016 OSRAM SYLVANIA