

ULTRA RT6 LED Recessed Downlight Kit



The SYLVANIA ULTRA RT6 is a six-inch LED recessed downlight kit creating high performing white light and is optimized for new construction and retrofit applications. Installation is done quickly and easily in most standard six-inch Insulated Ceiling (IC) housings, Airtight (AT) housings and non-IC housings.

Dimming

The SYLVANIA ULTRA RT Series luminaire is dimmable to 20% with standard 120V electronic low voltage dimmers (recommended), incandescent or magnetic low voltage dimmers. In some cases, standard incandescent dimmers require a minimum load of typically >40 watts on the circuit for full range dimming performance (four LED modules). For dimming with digital (smart) multi-location dimmers or when dimming fewer than four LED modules, Electronic Low Voltage (ELV) dimmers are required (some ELV dimmers need a neutral connection in the wallbox).

Quality of Light

The SYLVANIA ULTRA RT Series provides excellent color rendering (82+ CRI), and a selection of color temperatures (2700K, 3000K).

Key Features & Benefits

- Lumen package:
 - 625 lumens @ 11watts
- Replacement for 65BR30 incandescent lamps
- CCT: 2700K/3000K
- CRI of 82
- Dimmable to 20-100%
- 35,000 hour life (L₇₀)
- Suitable for indoor and damp locations
- Reduces energy consumption up to 86%
- 120V input voltage
- Lasts 17 times longer than incandescent lamps
- No warm-up time, instant-on with full light output and stable lamp to lamp color
- Meets California Title 24 fixture requirements for high efficacy luminaire
- Integrated white trim and medium base socket adaptor (included) for direct replacement

LEDs have virtually no ultraviolet and minimal infrared wavelengths, and they do not emit heat like conventional lamps.

Optical Design

Optical design yields productive beam lumens, 80° cutoff, and low glare.

Product Offering

Ordering Abbreviation	Wattage	CCT	THD	Power Factor
LED/625/RT6/827/FL80/WRFL/WTR	11	2700K	60%	0.81
LED/625/RT6/830/FL80/WRFL/WTR	11	3000K	60%	0.81



This light source meets restrictions on hazardous substances.



Application Information

Applications

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



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	Date

Specifications

Energy Data

Minimum Starting Temp: 0° Celcius (32° F)
EMI/RFI: FCC Title 47 CFR, Part 15, Class B (Consumer)
Sound Rating: <24dBA
Input Voltage: 120V
Power Factor: 0.81
Input Frequency: 60Hz
THD: 60%
R9: 15

Rated Wattage: 11W

Input Power: 11W

Input Current: 0.1A

Maximum Insulated Ceiling (IC) Ambient Continuous

Operating Temperature: 40°C (104°F)

Maximum Non-IC Ambient Continuous Operating

Temperature: 40°C (104°F)

Lighting Data

Lumen Output: 625

Lumens per Watt: 61

Watts at 120VAC: 11

Color

Correlated Color Temperature (CCT):
2700K-3000K

Color Rendering Index (CRI): 82

Ordering Information

Item Number	Ordering Abbreviation	Recessed Housing	Replaced Incandescent Wattage	Nominal Wattage (W)	Delivered Light Output (lm)	Color Temperature	CRI	THD	Power Factor	Avg. Rated Life (hrs)*	Packaging Configuration
70654	LED/625/RT6/827/FL80/WRFL/WTR	6 in.	65W	11	625	2700K	82	60%	0.81	35,000	Box
70653	LED/625/RT6/830/FL80/WRFL/WTR	6 in.	65W	11	625	3000K	82	60%	0.81	35,000	Box

* 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

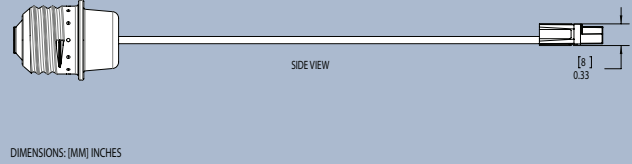
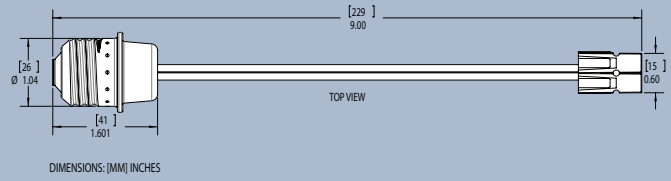
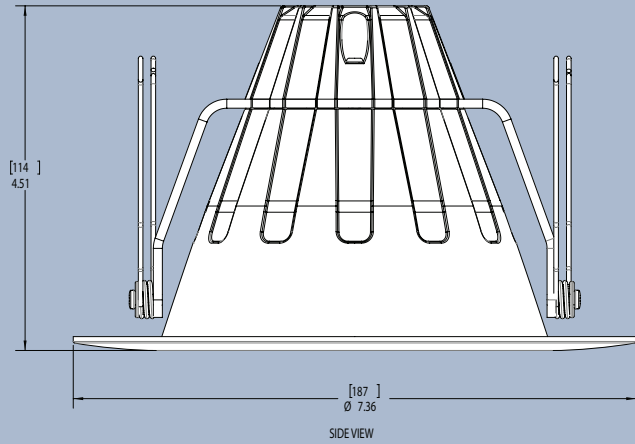
LED	/	625	/	RT6	/	8	30	/	FL	80	/	WRFL	/	WTR
LED		Light Output (lm)		Product Name RT6 6=fits 6" housing		CRI=82	Color Temperature 3000K		Flood	Beam Angle 80 degrees		White Reflector		White Trim

Energy Savings

Basic Product Description	LED		Traditional Lamp Types	Lumens	Life	Watts Saved With RT6	RT6 Energy Savings*	RT6 Life Benefit
	Lumens	Life						
RT6 11W	625	35,000	Incandescent 65BR30	640	2000	54	\$208	17X
			Halogen 50WBR30/SS/HAL	585	2500	39	\$150	14X
			Halogen 50PAR30LN/WFL	660	2500	39	\$150	14X
			Compact Fluorescent 15WBR30	600	8000	4	\$15	4X

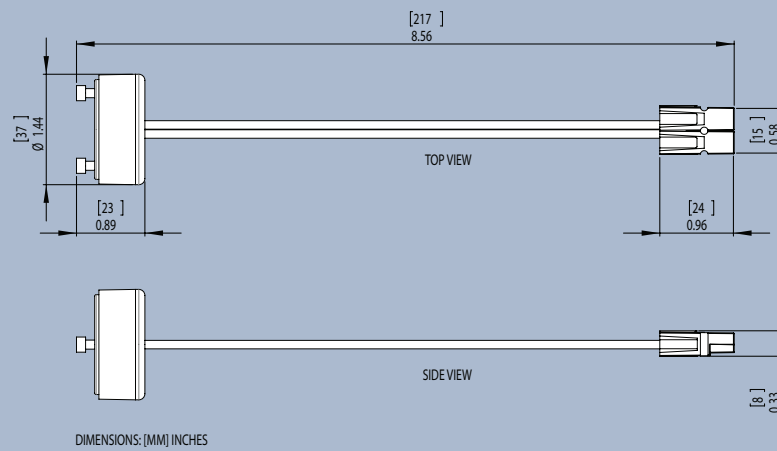
* Based on \$0.11/Kwh, 3 hours a day

Assembly Diagram

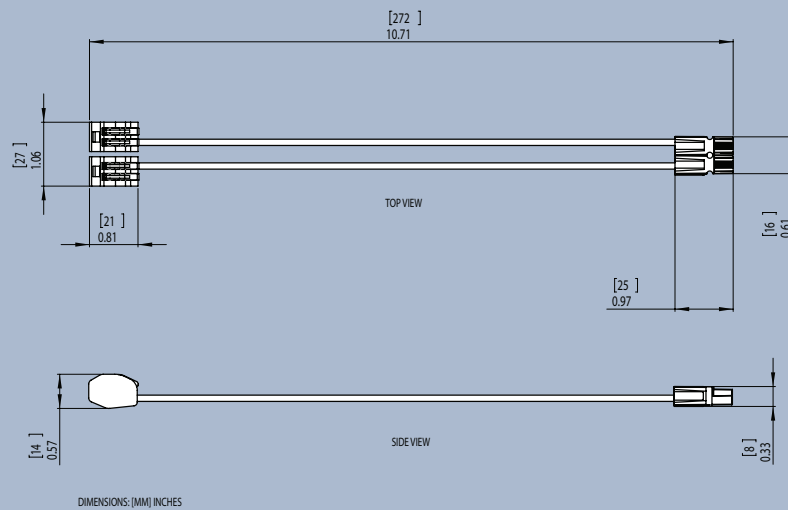


Accessories

70650 LED/CRT6/GU24/SOCKET/ADAPTOR (sold separately)

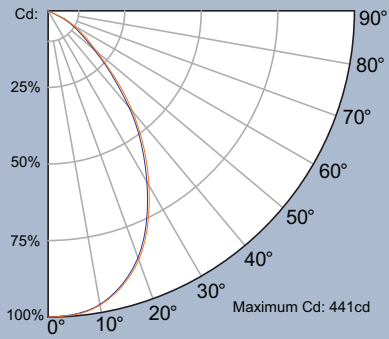


70657 LED/CRT6/RETROFIT/ADAPTOR (sold separately)



Photometric Information

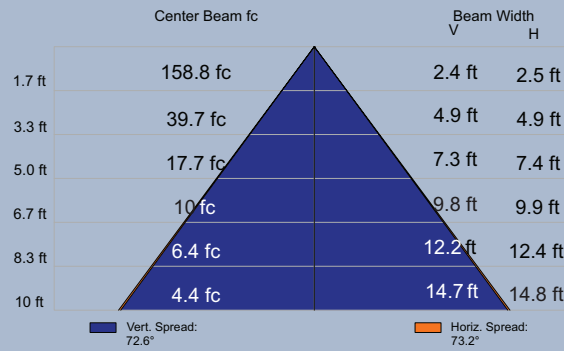
Polar Chart



Zonal Lumen Distribution

Zone	Lumens	% Fixture
0-30	308.9	47.9
0-40	455.2	70.6
0-60	608.4	94.4
60-90	36.2	5.6
0-90	644.6	100.0
90-180	0.0	0.0
0-180	644.6	100.0

Illuminance at Distance



Application Information

Application Notes

1. Operating temperature range between -32°F and +113°F (-0°C and +45°C).
2. Suitable for use in indoor and damp location environments.
3. Suitable for dimmers or in housings controlled by a dimmer – see www.sylvania.com/RT6 for detailed dimmer compatibility list.
4. Not intended for use with emergency light fixtures or exit lights.
5. For use in housings that can structurally support a lamp weighing one pound.
6. Designed to install in standard 6" insulated and non-insulated housings. For a list of compatible housings, please refer to www.sylvania.com/RT6.
7. For detailed warranty information, please see www.sylvania.com/RT6.



To get the full LED story on your phone, snap a picture of this tag. (Requires a free mobile app from <http://gettag.mobi>)

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LED169

SYLVANIA

lighting facts®

A Program of the U.S. DOE

Light Output (Lumens)	625
Watts	11
Lumens per Watt (Efficacy)	61
Color Accuracy Color Rendering Index (CRI)	82
Light Color Correlated Color Temperature (CCT)	3000 (Bright White)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008: Approved Method for the Electrical and Photometric Testing of Solid-State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: 5BZT-1D3NNC
Model Number: LED/625/RT6/830FL80/WRF/WTR
Type: Recessed downlight

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