

ULTRA RT6 HO LED

Recessed Downlight Kit



SYLVANIA ULTRA RT6 HO is a universal input voltage 5" and 6" compatible LED recessed downlight kit that creates high performing white light and is optimized for new construction and retrofit applications utilizing pin based compact fluorescent lamps. Installation is done quickly and easily in most standard six-inch frames.

The RT6 HO downlight is offered in 900 lumen and 1500 lumen options and achieves up to 71 lumens per watt.

The RT6 HO is designed to deliver light output comparable to traditional 1x18W, 1x26W and 2x26W pin based compact fluorescent luminaires.

Application Information

Application Notes

1. Operating temperature range between -4°F and +104°F (-20°C and +40°C).
2. Suitable for dry, damp or wet indoor or outdoor locations.
3. Compatible with Philips Bodine ELI-S-20 Emergency Lighting Micro Inverter.
4. Designed to install in standard 6" CFL mounting frame. For a list of compatible housings, please refer to www.sylvania.com/RT6.
5. For detailed warranty information, please see www.sylvania.com/RT6.
6. RT6/HO 1500 lumen is not intended for use in dimming applications.
7. The RT5/6 HO 900 lumen is compatible with Leviton 0-10V dimmer model IP710-DL.
8. 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.
9. Installation performed as a stand-alone kit (without frame) is recommended for hard ceiling. Installation of a recessed incandescent frame (such as Lightolier model 1102P1) is recommended for tiled ceiling application for proper support of the retrofit kit.

Key Features & Benefits

- 120-277 universal input voltage
- Lumen package:
 - 900 lumens @ 13 watts (0-10V Dimmable)
 - 1500 lumens @ 21 watts (Not dimmable)
- Replacement for 18W, 26W and 32W CFL pin based lamps
- Fits in standard 5" and 6" CFL mounting frame
- CCT: 2700K, 3000K, 3500K & 4000K
- CRI of >80
- 50,000 hour life (L₇₀)
- Suitable for dry, damp and wet indoor or outdoor locations
- UL1598 Listed and Classified for stand-alone and retrofit applications
- Reduces energy consumption up to 34%
- Lasts up to 4 times longer than compact fluorescent lamps
- No warm-up time, instant-on with full light output and stable lamp to lamp color
- Integrated white trim and metal conduit adaptor (included) for direct replacement
- Suitable for use in 8" applications using optional trim extender accessory

Product Offering

Ordering Abbreviation	Wattage	CCT
LED/RT5/6/HO/900	13	2700K, 3000K, 3500K, 4000K
LED/RT6/HO/1500	21	3000K, 3500K, 4000K

Specifications and Certifications



Catalog #	Type
Project	
Comments	
Prepared by	

Specifications

Energy Data

Minimum Starting Temp: -20°C (-4°F)

EMI/RFI: RT6/HO 1500 lumen: FCC Title 47 CFR,

Part 15, Class B

RT6/HO 900 lumen: FCC Title 47 CFR, Part 15, Class A

Sound Rating: <24dBA

Input Voltage: 120-277V

Power Factor: >0.90

Input Frequency: 60Hz

THD: <20%

Input Power: 13W & 21W

Input Current: 0.15A @ 120V; 0.07A @ 277V

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

Lighting Data

Lumen Output: 900 and 1500

Lumens per Watt: 69, 71

Color

Correlated Color Temperature (CCT): 2700K, 3000K, 3500K, 4000K

Color Rendering Index (CRI): >80

Product weight: 1.6lb

Ordering Information

Item Number	Ordering Abbreviation	Recessed Housing	Replaced CFL Wattage	Nominal Wattage (W)	Delivered Light Output (lm)	Color Temperature	Avg. Rated Life (hrs)*	Packaging Configuration	Dimmable
75137	LED/RT5/6/HO/900/827	5" and 6"	18W	13	900	2700K	50,000	4/case	YES
75138	LED/RT5/6/HO/900/830	5" and 6"	18W	13	900	3000K	50,000	4/case	YES
75140	LED/RT5/6/HO/900/835	5" and 6"	18W	13	900	3500K	50,000	4/case	YES
75139	LED/RT5/6/HO/900/840	5" and 6"	18W	13	900	4000K	50,000	4/case	YES
72487	LED/RT6/1500/HO/830	6"	26W & 32W	21	1500	3000K	50,000	4/case	NO
72494	LED/RT6/1500/HO/835	6"	26W & 32W	21	1500	3500K	50,000	4/case	NO
72495	LED/RT6/1500/HO/840	6"	26W & 32W	21	1500	4000K	50,000	4/case	NO

* 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	/	RT6	/	1500	/	HO	/	8	/	30
LED		Product Name		Light Output		High Output		CRI >80		Color
		RT6		1500lm						Temperature
		5/6 = fits 5" and 6" frames		900lm						2700K, 3000K, 3500K, 4000K
		6 = fits 6" frames								

Energy Savings

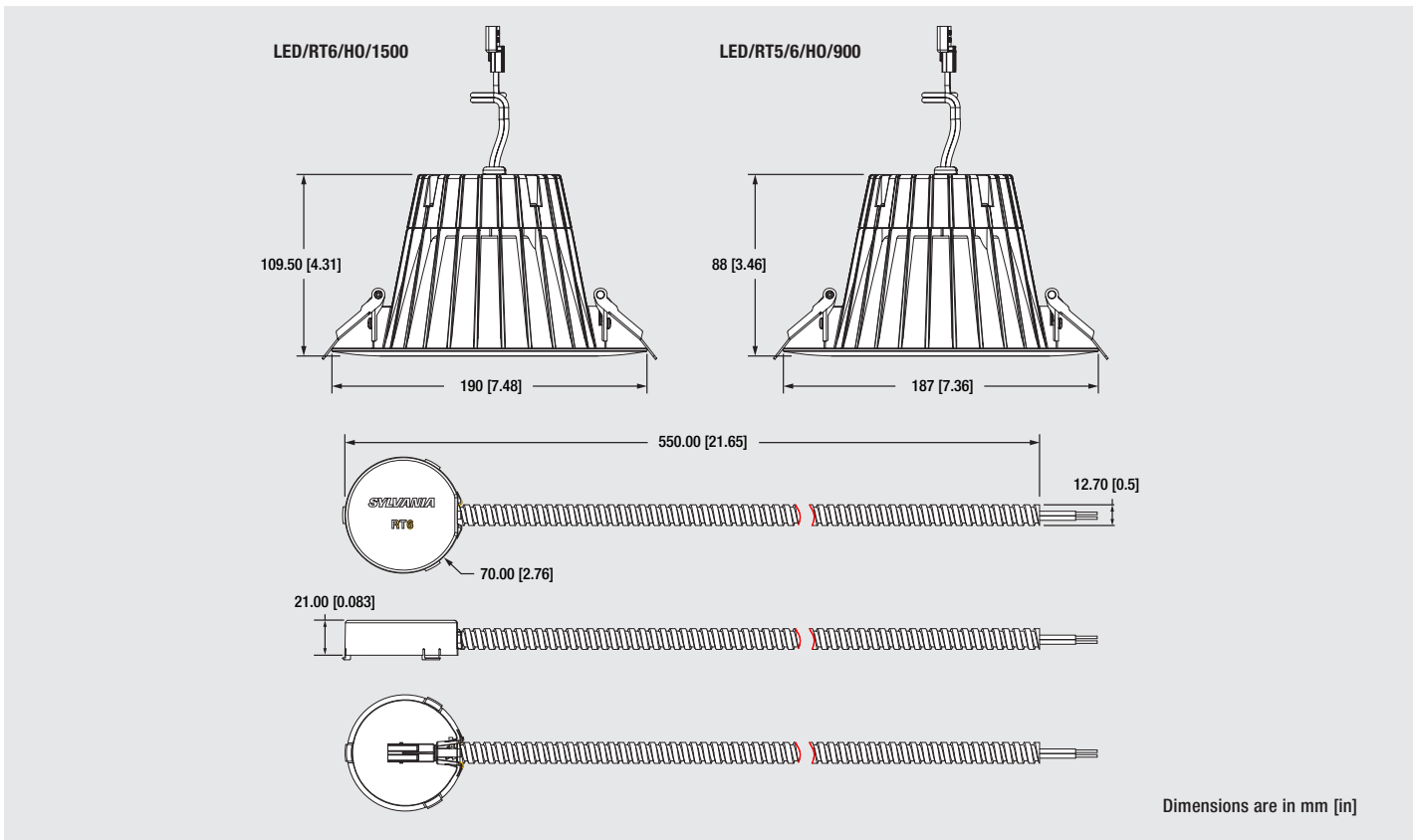
Basic Product Description	LED Lumens	LED Life	Traditional Lamp Types	Lumens	Life	Watts Saved With RT6	RT6 Energy Savings*	RT6 Life Benefit
RT5/6 HO 13W	900	50,000	18W CFL DD, DT	1200	16,000	5	\$27	3X
RT6/HO 21W	1500	50,000	26W CFL DD, DT	1800	16,000	5	\$27	3X
RT6/HO 21W	1500	50,000	32W CFL DD, DT	2400	16,000	11	\$60	3X

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

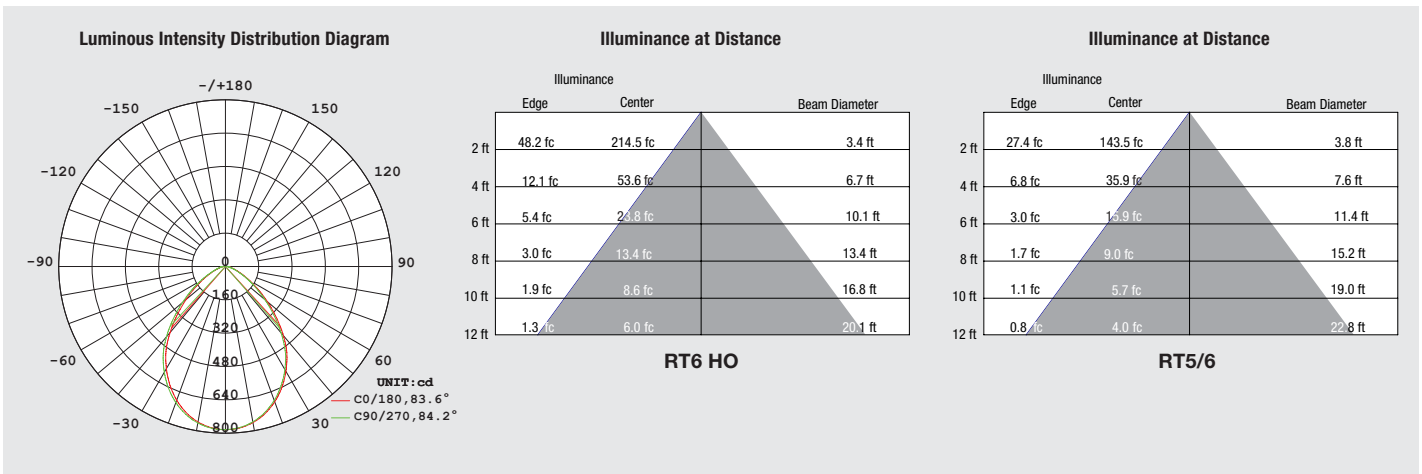
Accessories

RT5/6 Retrofit Trim		
75095	RT/5/6/TRIM/DKBZ	
75097	RT/5/6/TRIM/BLK	
75098	RT/5/6/TRIM/ORBZ	
Trim Ring Extender		
75082	RT6/8/TRIMEXT	

Assembly Diagram



Photometric Information



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