

SYLVANIA Luminaires

Hi-PerformanceLED™ CCT Selectable Downlight with Red Light Therapy

Application

Red light therapy is a new innovation in our continued quest to understand how the light around impacts our circadian rhythm. Emerging research published by Rensselaer Polytechnic Institute, “suggest that red light positively affects measures of alertness not only at night, but also during the day. Red light also seemed to be a more potent stimulus for modulating brain activities associated with daytime alertness than blue light.”

The SYLVANIA High PerformanceLED Downlight with Red Light Therapy combines a regular 3000K LED Retrofit Trim Kit that is both ENERGY STAR® and Title 24 listed with the optional Red Light innovation and is ideal when retrofitting traditional technologies or even in new construction.

Benefits and Features

- 3000K + Red Light 650nm (easily interchangeable via the regular wall switch)
- Red Light benefits
 - Enhances alertness
 - Increases energy levels
 - Helps overcome fatigue
- ENERGY STAR listing maximizes rebate opportunities
- Up to 86 LPW
- CRI = 93
- Offered in 14 watts
- Energy savings up to 79%

Electrical

- 120VAC
- Power Factor >0.9
- THD <20%
- Phase-cut dimmable

Rated Life

- 50,000 hours (L₇₀)

Warranty

- 5-year
- NLB Trusted Warranty Program

Operating Temperature

- -40°F to 102°F (-40°C to 40°C)

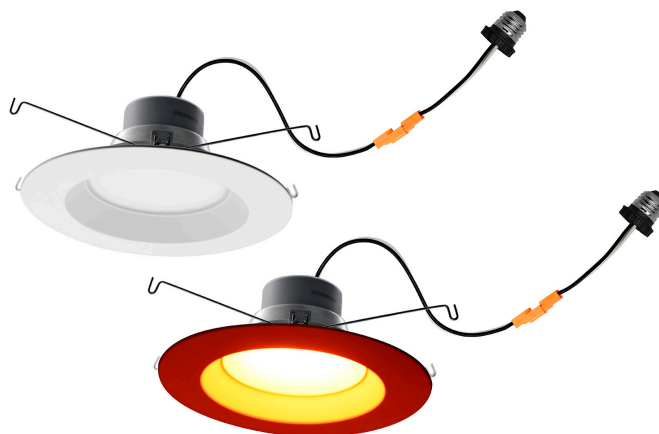
Item #

Type

Project

Notes

Date



Enhances alertness



Increases energy levels



Helps overcome fatigue

Wattage Comparison

Traditional Source	Traditional System Wattage	LED System Wattage	Energy Savings
Compact Fluorescent	65	14	79%

Certifications and Listings

- cULus
- RoHS
- FCC
- ENERGY STAR®
- Wet Rated
- Title 24


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Ordering Guide

RT	56	/	SC1	/	1200	/	RL
Product Name	Size		CCT		Lumens		Options
RT = Downlight	56 = Suitable for 5-6" cans		SC1 = 3000K or Red Light Selectable		1200 = 1200 lm		RL = Red Light

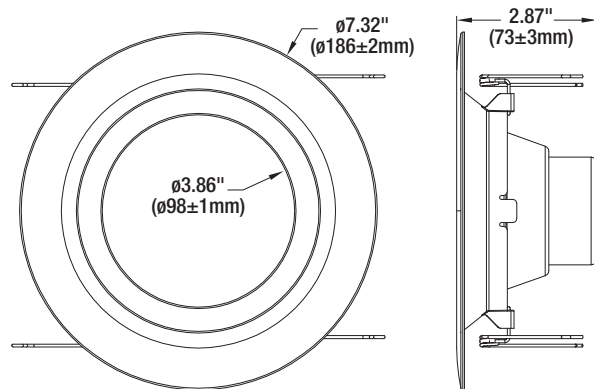
Ordering Information

Item Number	Ordering Abbreviation	Power (W)	Input Voltage (V)	Dimming	CRI	Color Temperature (CCT)	Total Fixture Lumens (lm)	LPW	ENERGY STAR®
62391	RT56/SC1/1200/RL	14	120V	Phase-Cut	93	3000K + Red Light 650nm	1200	86	Yes

Dimmer Compatibility

Make	Leading or Trailing Edge	Model
Leviton SureSlide	L	6674
Lutron Maestro C-L	L	MACL-153M
Lutron Diva	L	DVCL-153P
Lutron Caseta	L	PD-6WCL
Legrand Radiant	L	RHCL453P
Lutron Diva	T	DVELV-300P
Lutron Maestro	T	MAELV-600

Physical Information



Installation

- Operating temperature range between -4°F and 104°F (-20°C and 40°C).
- Suitable for indoor and outdoor dry, damp and wet locations.
- The RT5/6 screw-based recessed downlight kits are dimmable down to 10% of full light output with compatible dimmers. The minimum dimming value is based on light output using compatible dimmers, and may not be an indication of the kit's full rated capability.
- Not intended for use with emergency light fixtures or exit lights.
- For use in housings that can structurally support a lamp weighing one pound.
- RT5/6 designed to install in standard 5" and 6" insulated and non-insulated housings.

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