



RT2-SERIES LED DOWNLIGHT LAMP WITH INTEGRATED TRIM



Project	
Date	
Prepared by	
Model #	RT2-49-4

OVERVIEW

The RT2-Series LED Downlight Lamp is designed to help you convert old CFL or halogen 4-inch, 5-inch and 6-inch recessed potlights into energy efficient LEDs.

With a built-in trim, telescopic neck, and dimming capabilities from 10-100%, the RT2-Series is a no-brainer if you are looking for an LED lamp that saves you money in both install time and energy costs.

PRODUCT HIGHLIGHTS

- Up to 88 lumen/W
- >91 CRI for the most accurate color rendering
- Line voltage dimming
- E26 for simple screw-in installation
- Conveniently includes the trim for a modern look
- Telescopic neck ensures a flushed look
- UL Damp Location listed for use in covered locations outdoors

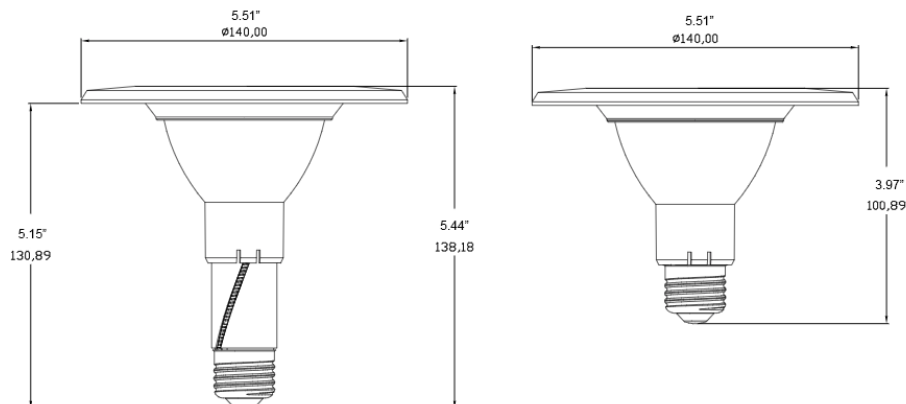
OPTICAL SPECIFICATIONS

Lumen Output (lm) ₁	700 lm	Beam Angle (°) ₁	110°
CCT (K) ₁	4000k	Projected Lifetime (L ₇₀)	>54,000 hrs
CRI (Ra) ₁	>93	Lumen Maintenance Factor	70% (L ₇₀)
Efficacy (lm/W) ₁	88 lm/W	Chromaticity Shift	±100K

ELECTRICAL SPECIFICATIONS

Power	9W	Replacement For	50W Halogen/PAR
System Wattage (W)	8.5W	Current Draw at 120V _{AC} (A) ₂	0.10A
Input Voltage ₂	120VAC		

PRODUCT DIMENSIONS

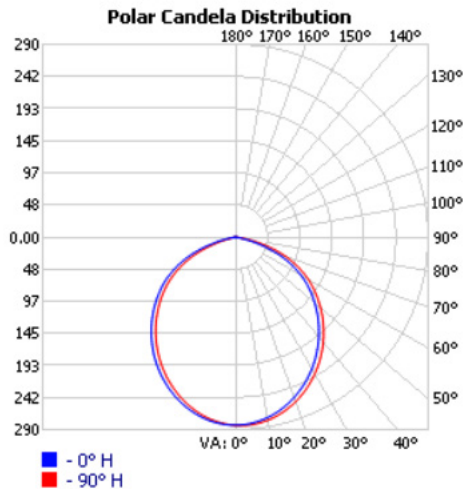


LED & DRIVER SPECIFICATIONS

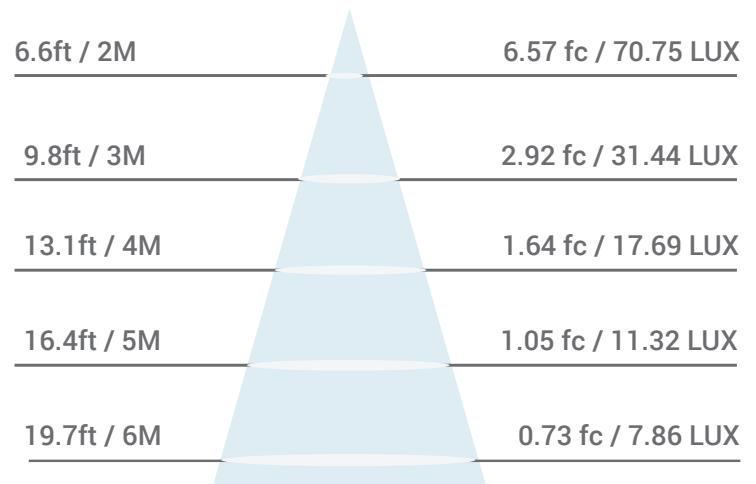
LED (Brand)	Luminus Devices	Output Voltage (VDC)	<Internal>
LED Design Origin	USA	Power Factor	0.92
LED Type	MP-3020	THD	<20%
Driver Brand	<Internal>	Inrush Current (A)	5A
Dimmable	Yes (Triac)	Surge Protection	2.5 kV

CONSTRUCTION		APPROVALS & LISTINGS		
Housing Material	ABS Plastic	Energy Star	Luminaires V2.0	
Housing Color	White	UL Rated Location	Damp Locations	
Lens Material	Polycarbonate	UL/ETL Listed	cULus	
Dimensions (inch/mm)	5.51" (Φ) / 140mm (Φ) Adjustable Height : 4"-5.5" / 101-138mm	UL/ETL File Number	E340987	
		Rated Lifetime ¹		
Weight (kg/lbs)	125g / 4.4 oz	Models	Lumen Output = 90% of Initial (L ₉₀) ²	Lumen Output = 70% of Initial (L ₇₀) ²
		RT2-49-x RT2-612-x	>15,000 hrs	>60,000 hrs
Installation Method	E26 Base, Screw In	<div>1. Rated Lifetime projected the time needed for the fixture to drop its lumen output to 90% and 70% of its initial value, which was measured based on IESNA LM-79-80 luminaire test reports.</div> <div>2. Calculations are based on TM-21 Projection and IESNA LM-80-08 LED test report, estimated rated lifetime (hours) at T_A=25°C (ambient temperature).</div>		
Operation Range (°C/°F)	-20°C to 40°C -4°F to 104°F			
Warranty ₃	5 Years			

POLAR CANDELA DISTRIBUTION



ILLUMINANCE AT A DISTANCE



1. Due to the special conditions of manufacturing, the typical data of optical specifications can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.
 2. Exceeding maximum ratings for input voltage and current will cause hazardous overload and will likely destroy the LED fixture.
 3. Refer to Warranty Terms & Conditions available at premiseled.com/warranty