

DESCRIPTION

Unlike standard LEDs, SOL-Light Warm Dim LEDs are designed to shift from full brightness (2700K or 3000K) to a warmer color temperature (1800K) as they are dimmed down, replicating the effects of halogen light sources with a CRI of 95+ and a High R9 of 96+. The lamp is a direct replacement for a 12VAC, 50 watt halogen with 24° (468 Lumens) or 36° (450 Lumens) beam spreads. For use in track lighting, recessed down lights, and other indoor and outdoor applications. 30,000 hour rated lamp life. Suitable for enclosed fixtures. UL, NOM and CUL, listed for use with 12V NEC Class 1 and Class 2 systems, Title 24 and JA8 (4th quarter 2018) Compliant. 3-year pro-rated warranty.

FEATURES

- Two Color Temperatures 2700K and 3000K. Both dim to warm 1800K
- Direct replacement for inefficient halogen lamps
- GU5.3 Base MR16
- High CRI 95+ and high R9 96+
- Low blue emission for healthy vision
- Zero ultraviolet emission, won't fade colors
- Beam angles 24° or 36°
- 30,000 hours rating

APPLICATIONS

Track and Recessed Lighting, Residential, Hospitality, Museum & Gallery, Track Lighting, Desk and Outdoor

LED LAMP

7.73 watts at up to 468 Lumens at 3000K, Two color temperatures at 2700K or 3000K (warm dims to 1800K), 95+ CRI, R9: 96, Rg: 101, Rf: 94, Input Voltage 12V, Max. TC 90° C, Ambient temperature range -30° to 35° C, Power Factor .92, Inrush Cycle to <1 amp

DIMMING

- Phase and Power Dimmable, Percent of Flicker <1%
- Compatible with 12VAC LED Electronic Low-Voltage (use ELV dimmer also called "trailing-edge", or "reverse phase" dimmer) and Magnetic Low-Voltage Transformers (use MLV dimmer also called "leading-edge" or "forward-phase" dimmer)

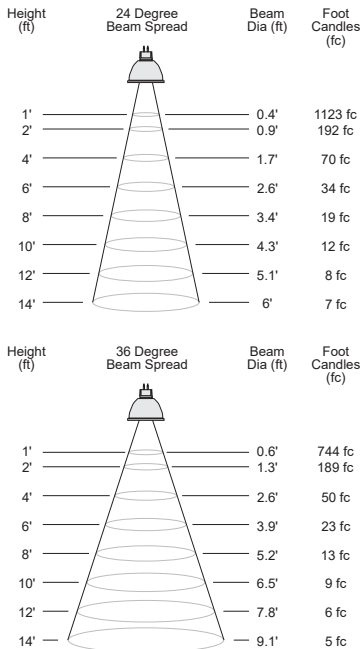
COMPLIANCE LABEL

Title 24 and JA8 (4th quarter 2018 Compliant), low flicker <1% CE, UL, NOM

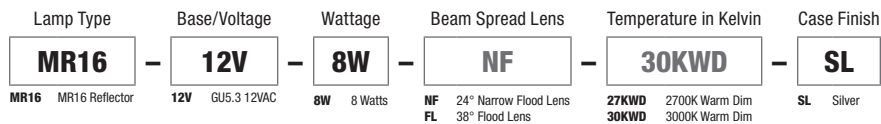
WARRANTY

3 years/30,000 hour warranty. See PureEdgeLighting.com

Designed & Powered by LTF



MODEL #	INPUT VOLTAGE	CCT	BEAM ANGLE	LUMENS	LUMENS PER WATT	CRI	WATTAGE	CASE FINISH
MR16-12V-8W-NF-27KWD-SL	12V	2700K dims to 1800K	24°	468 lm	50	97	7.73W	Silver
MR16-12V-8W-FL-27KWD-SL	12V	2700K dims to 1800K	36°	450 lm	55	97	7.73W	Silver
MR16-12V-8W-NF-30KWD-SL	12V	3000K dims to 1800K	24°	468 lm	53	97	7.73W	Silver
MR16-12V-8W-FL-30KWD-SL	12V	3000K dims to 1800K	36°	450 lm	58	97	7.73W	Silver



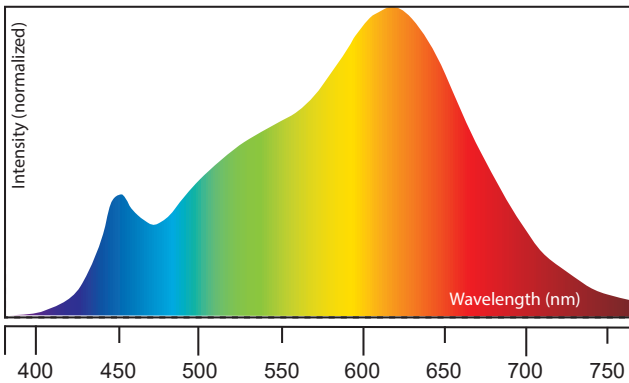
PROJECT		FIXTURE TYPE		DATE	
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TM-30-15 DATA

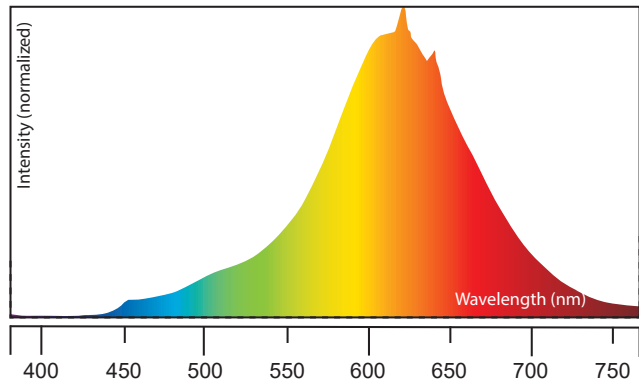
The data below is for a 3000K MR16 12V LED Bulbs. Consistent color temperatures throughout a single chip and among multiple chips is possible through a 3 phase binning process in which each order is inspected with a color meter to ensure uniformity.

SPECTRORADIOMETRIC PARAMETERS

CCT 3000K

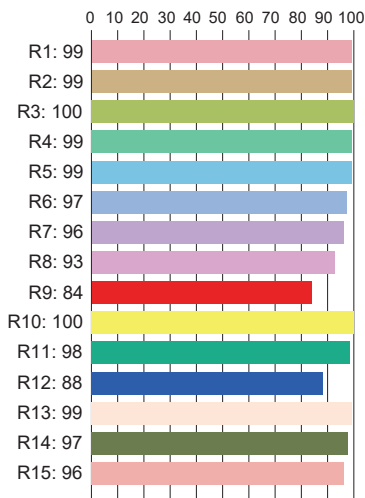


CCT 1800K (Dim-to-Warm)

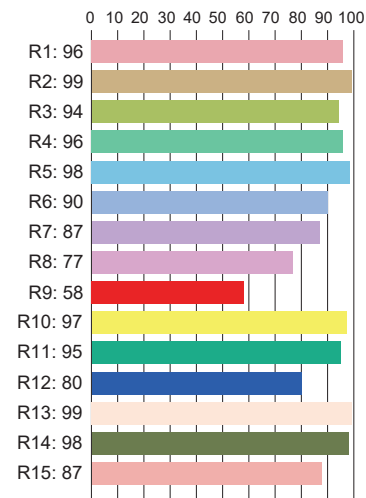


CRI TEST RESULTS

CCT 3000K

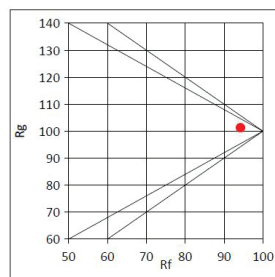
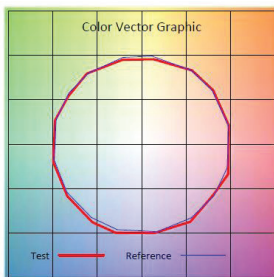


CCT 1800K (Dim-to-Warm)



Rf: 94.2 | Rg: 101.2

Color Vector Graphic



Rf: 91.8 | Rg: 96.9

Color Vector Graphic

