



**L.T.F.**

## SunLight2 MR16 LED Bulb Series

**12V GU5.3 8W LED Halogen Replacement Bulbs  
High CRI & R9, Single CCT 3000K & 2700K**

  
**SunLight2**



Not rated for enclosed fixtures

<b>CCT</b>	3000K, 2700K
<b>Max. Tc</b>	90° C
<b>Ambient Temp.</b>	-30°C to 35°C
<b>Power Factor</b>	0.95
<b>CRI, R9</b>	97+, 96+
<b>Lumens</b>	540 lm, 575 lm
<b>Flicker Index</b>	0.01
<b>Percent Flicker</b>	< 1%
<b>Dimming</b>	Phase Dimmable
<b>InRush Cycle to Cycle</b>	< 1 Amp



**RoHS**



### FEATURES

- Direct replacement for halogen bulbs
- GU5.3 Base MR16
- High CRI 97+, R9 96+, R13 98+
- Low blue emission for circadian health
- Zero ultraviolet emission, won't fade colors
- Beam angles 24° or 36°
- Title 24 Compliant, low flicker < 1%
- 30,000 hours rating
- 3 years / 25k hours warranty

### APPLICATIONS

- Color-critical task lighting
- Residential & hospitality lighting
- Museum and gallery lighting
- Color-critical retail displays (e.g, apparel, groceries, hard goods & toys)
- Track lighting, new & retrofit
- Desk lamps
- Indoor and Outdoor

### ELECTRICAL SPECIFICATIONS

Model Number	Input Voltage	CCT	Beam Angle	Lumens	Case Finishes
BL18W12V27K24	12V AC*	2700K	24°	540 lm	Silver, Black, White, Custom
BL18W12V27K36		2700K	36°	540 lm	
BL18W12V30K24		3000K	24°	575 lm	
BL18W12V30K36		3000K	36°	575 lm	

\* Input voltage range 10V AC to 18V AC

### RECOMMENDED LTF POWER SUPPLIES

Model Number	Wattage	Input	Output	IP Rating	FCC Compliant	Dimming
<a href="#">TA60WA12LED</a>	60W	120V AC, 0.5A 50/60Hz	12V AC	IP60	No	ELV, Optional 0-10V
<a href="#">TA60WA12LED65B15</a>				IP65	Yes	
<a href="#">TE60WA12LED65B15</a>				IP65	Yes	

SunLight2 Series 8W 12V MR16 LED Bulb

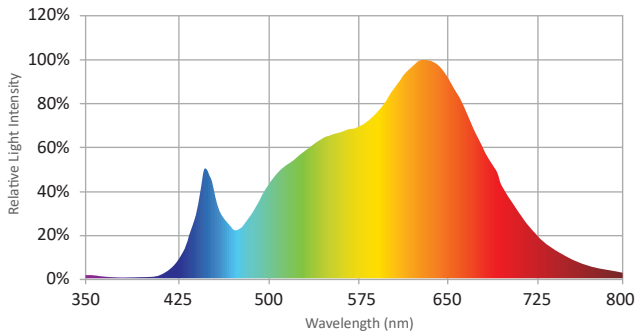


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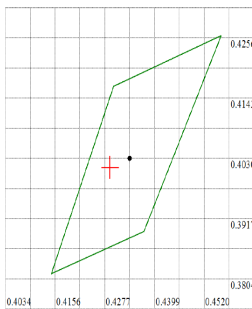
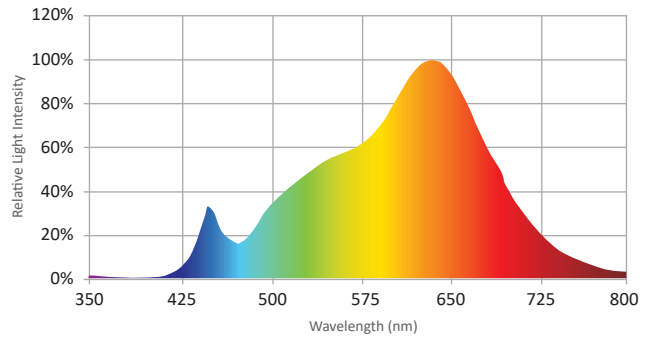
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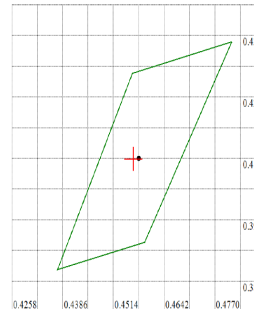
Relative Spectral Emission CCT 3000K



Relative Spectral Emission CCT 2700K

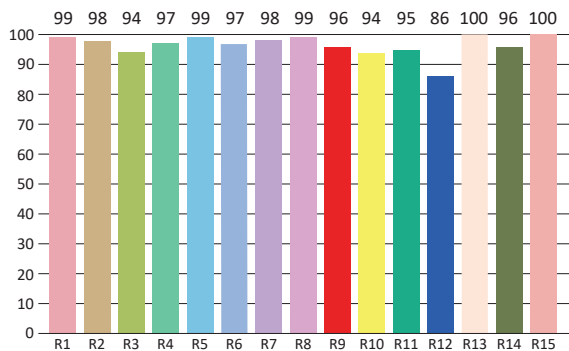


**Nominal CCT:** LED\_3000K  
 $x_0=0.4338$   $y_0=0.4030$   
**Chromaticity Coordinates:**  
 $x=0.4290$   $y=0.4013$   
 $u'=0.2466$   $v'=0.5191$   
**Colour Fidelity Index:** Rf=95  
**Gamut Index:** Rg=102  
**Chromaticity Difference:**  
 $+0.00004Duv$   
**Color Ratio:**  
 Kr=42% Kg=49.3% Kb=8.8%

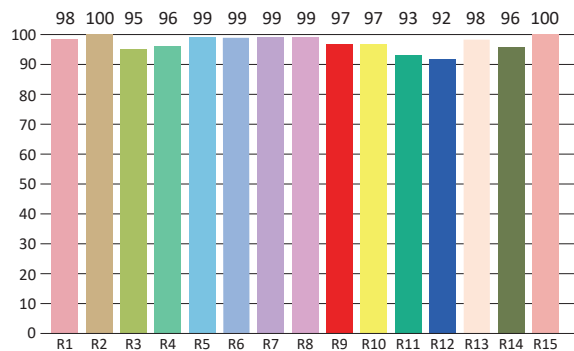


**Nominal CCT:** LED\_2700K  
 $x_0=0.4578$   $y_0=0.4101$   
**Chromaticity Coordinates:**  
 $x=0.4564$   $y=0.4100$   
 $u'=0.2605$   $v'=0.5266$   
**Colour Fidelity Index:** Rf=95  
**Gamut Index:** Rg=102  
**Chromaticity Difference:**  
 $+0.00007Duv$   
**Color Ratio:**  
 Kr=45.2% Kg=47.0% Kb=7.8%

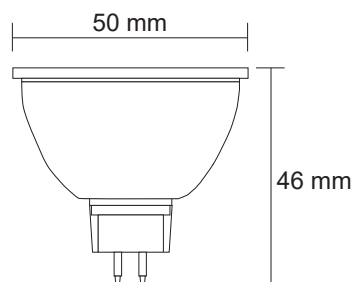
CRI Test Results CCT 3000K



CRI Test Results CCT 2700K



## MECHANICAL SPECS



SunLight2 Series 8W 12V MR16 LED Bulb