



Sunlight2 MR16 LED Bulb

<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

Sunlight2™ is a series of LED bulbs optimized for architectural lighting applications with flicker-free dimming operation. Its high CRI & full spectrum light provides exceptional color accuracy using patented LED technology.



### 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°, 36° or 60°
- 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 M16 LED Bulb, Single CCT

Model Number	Input Voltage	CCT	Beam Angle	Lumens	Case Finishes
MR168W12V27K24	12V AC*	2700K	24°	540 lm	Silver, Black, White, Brass, Custom
MR168W12V27K36		2700K	36°	540 lm	
MR168W12V27K60		2700K	60°	540 lm	
MR168W12V30K24		3000K	24°	575 lm	
MR168W12V30K36		3000K	36°	575 lm	
MR168W12V30K60		3000K	60°	575 lm	

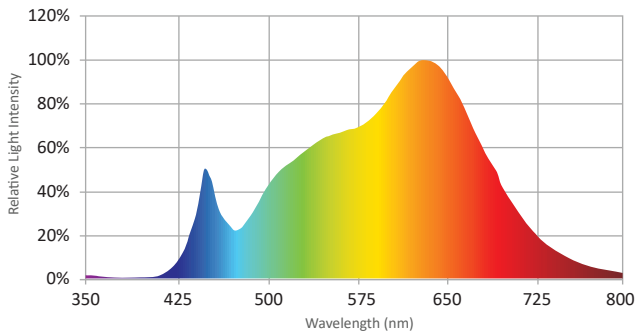
\* Input voltage range 10V AC to 18V AC

### Recommended LTF Power Supplies

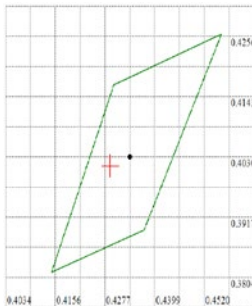
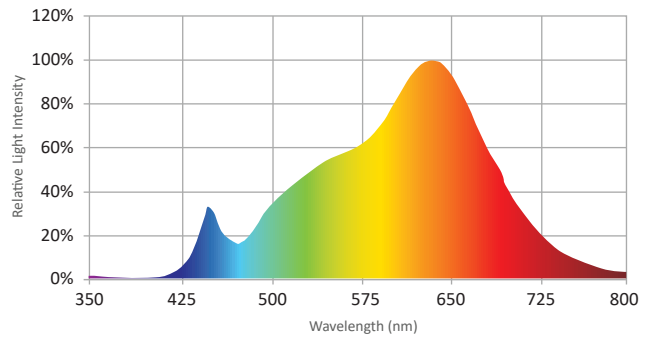
Model Number	Wattage	Input	Output	IP Rating	FCC Compliant	Dimming
<a href="#">TA60WA12LED</a>	60W	120V AC, 0.5A 50/60Hz	12V AC	IP60	No	ELV, Optional 0-10V
<a href="#">TA60WA12LED65B15</a>				IP65	Yes	
<a href="#">TE60WA12LED65B15</a>		277V AC, 0.2A 50/60Hz		IP65	Yes	

### Spectroradiometric Characteristics M16 LED Bulb, Single CCT

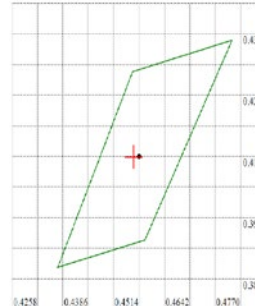
Relative Spectral Emission CCT 3000K



Relative Spectral Emission CCT 2700K

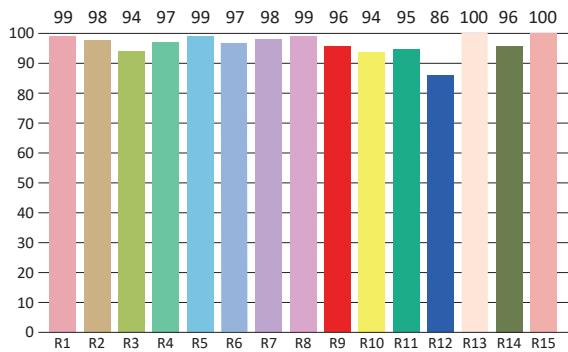


**Nominal CCT:** LED 3000K  
 $x_0=0.4338$   $y_0=0.4030$   
**Chromaticity Coordinates:**  
 $x=0.4290$   $y=0.4013$   
 $u'=0.2466$   $v'=0.5191$   
**Colour Fidelity Index:** Rf=95  
**Gamut Index:** Rg=102  
**Chromaticity Difference:**  
 $+0.00004D_{uv}$   
**Color Ratio:**  
 Kr=42% Kg=49.3% Kb=8.8%

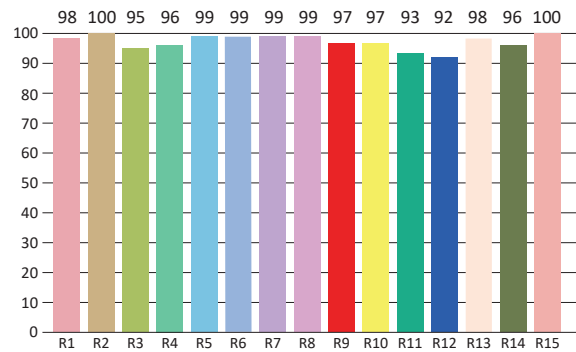


**Nominal CCT:** LED 2700K  
 $x_0=0.4578$   $y_0=0.4101$   
**Chromaticity Coordinates:**  
 $x=0.4564$   $y=0.4100$   
 $u'=0.2605$   $v'=0.5266$   
**Colour Fidelity Index:** Rf=95  
**Gamut Index:** Rg=102  
**Chromaticity Difference:**  
 $+0.00007D_{uv}$   
**Color Ratio:**  
 Kr=45.2% Kg=47.0% Kb=7.8%

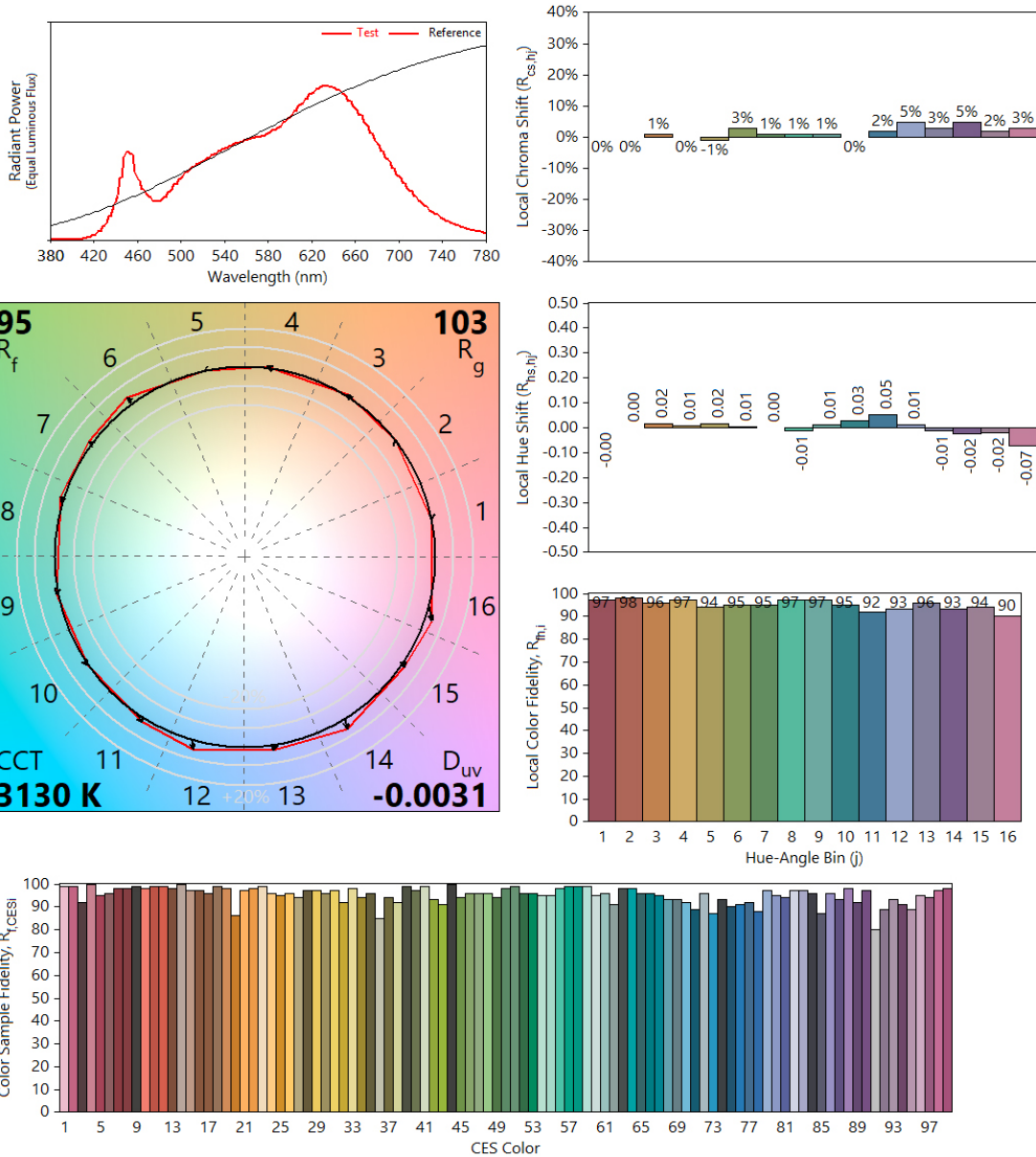
CRI Test Results CCT 3000K



CRI Test Results CCT 2700K



### IES TM-30-18 Report (3000K)



### Mechanical Specs

