**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 15°, 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**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Input Voltage</th>
<th>CCT</th>
<th>Beam Angle</th>
<th>Lumens</th>
<th>Case Finishes</th>
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</thead>
<tbody>
<tr>
<td>MR168W12V27K15</td>
<td>12V AC*</td>
<td>2700K</td>
<td>15°</td>
<td>540 lm</td>
<td>Silver, Black, White,</td>
</tr>
<tr>
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<td></td>
<td></td>
<td></td>
<td>Brass, Custom</td>
</tr>
<tr>
<td>MR168W12V27K24</td>
<td></td>
<td>2700K</td>
<td>24°</td>
<td>540 lm</td>
<td></td>
</tr>
<tr>
<td>MR168W12V27K36</td>
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<td>2700K</td>
<td>36°</td>
<td>540 lm</td>
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<tr>
<td>MR168W12V27K60</td>
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<td>2700K</td>
<td>60°</td>
<td>540 lm</td>
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<tr>
<td>MR168W12V30K15</td>
<td></td>
<td>3000K</td>
<td>15°</td>
<td>575 lm</td>
<td></td>
</tr>
<tr>
<td>MR168W12V30K24</td>
<td></td>
<td>3000K</td>
<td>24°</td>
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<td>575 lm</td>
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</tr>
</tbody>
</table>

* Input voltage range 10V AC to 18V AC
L.T.F., L.L.C. PHONE: (847) 498-5832 FAX: (773) 337-5628 EMAIL: LTFsales@ltftechnology.com

Company’s Address: 11966 Oak Creek Pkwy Unit H, IL 60142 U.S.A. www.ltftechnology.com

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L.T.F.
SunLight2 MR16 LED Bulb Series

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

Relative Spectral Emission CCT 3000K

Relative Spectral Emission CCT 2700K

Nominal CCT: LED_3000K
x0=0.4338 y0=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:
\( K_r=42\% \ K_g=49.3\% \ K_b=8.8\% \)

Nominal CCT: LED_2700K
x0=0.4578 y0=0.4101
Chromaticity Coordinates:
\( x=0.4564 \ y=0.4101 \)
\( u'=0.2605 \ v'=0.5266 \)
Colour Fidelity Index: Rf=95
Gamut Index: Rg=102
Chromaticity Difference: +0.00007Duv
Color Ratio:
\( K_r=45.2\% \ K_g=47.0\% \ K_b=7.8\% \)

CRI Test Results CCT 3000K

CRI Test Results CCT 2700K
SunLight2 MR16 LED Bulb Series

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

IES TM-30-18 Report (3000K)
L.T.F.
SunLight2 MR16 LED Bulb Series
12V GU5.3 8W LED Halogen Replacement Bulbs
High CRI & R9, Single CCT 3000K & 2700K

MECHANICAL SPECS

50 mm
46 mm

RECOMMENDED LTF POWER SUPPLIES

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Wattage</th>
<th>Input</th>
<th>Output</th>
<th>IP Rating</th>
<th>FCC Compliant</th>
<th>Dimming</th>
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</thead>
<tbody>
<tr>
<td>TA60WA12LED</td>
<td>60W</td>
<td>120V AC, 0.5A 50/60Hz</td>
<td>12V AC</td>
<td>IP60</td>
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<td>ELV, Optional 0-10V</td>
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<tr>
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<tr>
<td>TE60WA12LED65B15</td>
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<td>277V AC, 0.2A 50/60Hz</td>
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<td>IP65</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>