RG4 LED
Level Crossing
Signal Modules
8 inch (200mm)

Outstanding Reliability
• Self-contained design provides protection against moisture and dust
• Designed for retrofit into existing housings

Excellent Appearance & Visibility
• Robust LED system design enables high luminous intensity over long product life
• Efficient optical system delivers uniform color

Meets Rigorous Certification & Testing Standards
• Meets AREMA standards
• All lamps undergo comprehensive testing in the manufacturing plant
RG4 LED Level Crossing Signal Modules

• 8 inch (200mm)
Dimensions in inches. (mm) indicates metric equivalent

Mechanical Outline

Design Compliance

Parameter | Compliance
--- | ---
Environmental Limits | AREMA Part 11.5.1 - Class B
Electronic Noise | FCC Title 47 Sub.B Sec. 15 Class A
Transient Immunity | AREMA Part 11.3.3

Operating Specifications

Parameter | Rating
--- | ---
Operating Temperature | -40 to +70°C (-40 to +158°F)
Operating Voltage Range | 8V to 20V DC
| 8V to 16V AC (50-60Hz)
Voltage Turn-Off (VTO) | 4V
Power Surge | 45Vrms for 80ms.
Maximum Current Draw | 1.2A

Photometric Characteristics

Visible Distance 7500 ft (2200m)

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Photometric Characteristics

Product Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Dominant Wavelength (nm)</th>
<th>Nominal Power (W)</th>
<th>Peak Intensity (cd)</th>
<th>Beam Angles (50% of peak intensity)</th>
<th>Field Angles (10% of peak intensity)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RG4-RTFB-43B</td>
<td>630</td>
<td>13</td>
<td>650</td>
<td>18°H x –11°V</td>
<td>38°H x –16°V</td>
</tr>
</tbody>
</table>

All values are design or typical values when measured under laboratory conditions at T=25°C.

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