EXCELLENT APPEARANCE & VISIBILITY

- Robust LED system design enables high luminous intensity over long product life
- Efficient optical system delivers uniform color across both wide- and narrow-beam signals
- Sun Phantom reducing features have been incorporated in our design
- Easy to install and align

MEETS RIGOROUS CERTIFICATION & TESTING STANDARDS

- Meets selected AREMA recommended practices, as detailed in the Design Compliance Table
- All lamps undergo comprehensive testing in the manufacturing plant
- Meets key failure rate criteria as per EN 50129*

* Detailed rating table with duration and operating conditions available upon request.
Mid-Range
Visibility to 2000 ft (600 m)

TYPICAL VOLTAGE-CURRENT CURVES (Measured at 20°C)

GREEN ASPECT
RM4-GCFB-28B-92GK

YELLOW ASPECT
RM4-YCFB-43B-92GK

RED ASPECT
RM4-RSFB-43B-92GK

WHITE ASPECT
RM4-WSFB-28B-92GK

Definitions:
• Peak: Maximum Luminous Intensity
• Beam Angle: 50% of Peak Intensity
• Field Angle: 10% of Peak Intensity

TYPICAL LIGHT DISTRIBUTION

Definitions:
• Peak: Maximum Luminous Intensity
• Beam Angle: 50% of Peak Intensity
• Field Angle: 10% of Peak Intensity
Long Range
Visibility to 5000 ft (1500 m)

TYPICAL VOLTAGE-CURRENT CURVES (Measured at 20°C)

GREEN ASPECT
RM4-GCFB-75B-9G

YELLOW ASPECT
RM4-YCFB-85B-9G

RED ASPECT
RM4-RCFB-75B-9G

WHITE ASPECT
RM4-WCFB-75B-9G

TYPICAL LIGHT DISTRIBUTION

GE current
a Daintree company
### Operating Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature Range</td>
<td>-40 to 70°C (-40 to 158°F)</td>
</tr>
<tr>
<td>Nominal Operating Voltage</td>
<td>10V DC</td>
</tr>
<tr>
<td>Operating Voltage Range</td>
<td>8 - 16V DC</td>
</tr>
<tr>
<td>Voltage Turn-Off</td>
<td>5V DC</td>
</tr>
<tr>
<td>Turn-On/Turn-Off Time</td>
<td>&lt; 75ms</td>
</tr>
</tbody>
</table>

### Design Compliance

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact Resistance of Front Shell</td>
<td>IR3</td>
</tr>
<tr>
<td>Water/Dust Ingress Protection (in typical Rail Housing)</td>
<td>EN 60529 IP65</td>
</tr>
<tr>
<td>Dielectric Strength</td>
<td>AREMA 11.5.1.D.7, Class B</td>
</tr>
<tr>
<td>Electrical Surge Protection</td>
<td>EN61000-4-5, Class 3, AREMA 11.3.3</td>
</tr>
<tr>
<td>Electromagnetic Compatibility (EMC)</td>
<td>FCC Part 15, Subpart B</td>
</tr>
</tbody>
</table>

### Mechanical Outline

Dimensions in inches (mm):

- Diameter: 8.2" (208)
- Height: 7.7" (196)
- Width: 2.4" (61)
- Thickness: 1.5" (38)
- Side thickness: 2.2" (56)
- Back thickness: 6" (152)

### Product Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Aspect</th>
<th>Nominal Watts</th>
<th>Number of LEDs</th>
</tr>
</thead>
<tbody>
<tr>
<td>RM4-GCFB-28B-92GK</td>
<td>Green</td>
<td>15W</td>
<td>88</td>
</tr>
<tr>
<td>RM4-YCFB-43B-92GK</td>
<td>Yellow</td>
<td>18W</td>
<td>132</td>
</tr>
<tr>
<td>RM4-RSFB-43B-92GK</td>
<td>Red</td>
<td>18W</td>
<td>132</td>
</tr>
<tr>
<td>RM4-WSFB-28B-92GK</td>
<td>White</td>
<td>17W</td>
<td>88</td>
</tr>
<tr>
<td>RM4-GCFB-75B-92G</td>
<td>Green</td>
<td>15W</td>
<td>88</td>
</tr>
<tr>
<td>RM4-YCFB-85B-92G</td>
<td>Yellow</td>
<td>16W</td>
<td>88</td>
</tr>
<tr>
<td>RM4-RCFB-75B-92G</td>
<td>Red</td>
<td>15W</td>
<td>88</td>
</tr>
<tr>
<td>RM4-WCFB-75B-92G</td>
<td>White</td>
<td>16W</td>
<td>90</td>
</tr>
</tbody>
</table>

**Notes:**
1. This is a minimum stabilized value at T = 25°C.
2. For VI Curves and Isocandella graphics, please refer to Pages 3 and 4.
3. Signal performance when exposed to external light (ex. sun, head lamp) is dependant on each application field testing is recommended.