Electrical Specifications:

- **Operating voltage:** 80V AC - 135V AC (120V AC nominal)
- **Operating temperature:** -40°F to +165°F (-40°C to +74°C)
- **Turn-on / Turn-off Time:** 75 msec max
- **Power Factor:** > 0.9
- **Total Harmonic Distortion:** < 20%

**Features & Benefits**

- Direct retrofit replacement for incandescent lamps used in Programmable Visibility (PV) signals
- Compatible with McCain and 3M signal heads
- CalTrans qualified
- 90% reduction in power vs. incandescent
- Failure of single LED results in loss of light from that LED only
- Moisture and dust resistant
- Fuse and transient suppressor incorporated for line and load protection
- Meets FCC Title 47, Subpart B, Section 15 Regulations for electrical noise
- Conforms to MIL-STD-810F for blowing rain
- Written warranty available on request
- All products traceable by serial number

**Ordering Information**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Color</th>
<th>Dominant Wavelength (nm)</th>
<th>Typical Wattage @ 25°C</th>
<th>Minimum Luminous Intensity* (Cd)</th>
</tr>
</thead>
<tbody>
<tr>
<td>P46-3R33-003</td>
<td>Red</td>
<td>622</td>
<td>10</td>
<td>500</td>
</tr>
<tr>
<td>P46-3Y33-003</td>
<td>Yellow</td>
<td>590</td>
<td>15</td>
<td>500</td>
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<tr>
<td>P46-3G33-003</td>
<td>Green</td>
<td>505</td>
<td>8</td>
<td>500</td>
</tr>
</tbody>
</table>

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