### 3 Watt LED Module

**Light Source**
- 1 High Power Light Emitting Diode (3 Watt LED)
- Colors: Cool White, Warm White, Blue, Cyan, Green, Amber and Red
- Consistent unit-to-unit color temperature

**Model-ILL3A0001**
- 1.74” (44.2mm) round compact source
- May be driven up to 1000mA
- Operating life 50,000 hours
- For Spot Lighting, Landscape Lighting, Architectural Lighting, Portable Lighting, Task Lighting, Track Lighting, Point of Purchase, Cabinet and Display Case Lighting
- High efficiency optics: 5 or 25 degrees (see “Photometric Data”)
- Metal Clad PCB Substrate
- 8” power leads
- Compatible with range of standard and custom drivers

<table>
<thead>
<tr>
<th>P/N ILL3A0001*</th>
<th>Color</th>
<th>Color Temp - Dominant Wavelength</th>
<th>Typical Luminous Flux (Lumens)</th>
<th>Design Current (mA)</th>
<th>Luminous Intensity (cd)</th>
<th>Power Consumption (Watts)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ILL3A0001(A or H)</td>
<td>Cool White</td>
<td>6400K +/- 600K</td>
<td>64</td>
<td>700</td>
<td>1097.00 (A) 275.50 (H)</td>
<td>2.8</td>
</tr>
<tr>
<td>ILL3A0001(B or I)</td>
<td>Warm White</td>
<td>3250K +/- 250K</td>
<td>40</td>
<td>700</td>
<td></td>
<td>2.8</td>
</tr>
<tr>
<td>ILL3A0001(C or J)</td>
<td>Blue</td>
<td>470nm</td>
<td>19</td>
<td>700</td>
<td></td>
<td>2.8</td>
</tr>
<tr>
<td>ILL3A0001(D or K)</td>
<td>CyanL</td>
<td>505nm</td>
<td>52</td>
<td>700</td>
<td></td>
<td>2.8</td>
</tr>
<tr>
<td>ILL3A0001(E or L)</td>
<td>Green</td>
<td>530nm</td>
<td>52</td>
<td>700</td>
<td></td>
<td>2.8</td>
</tr>
<tr>
<td>ILL3A0001(F or M)</td>
<td>Amber</td>
<td>589nm</td>
<td>48</td>
<td>700</td>
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<td>1.8</td>
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<tr>
<td>ILL3A0001(G or N)</td>
<td>Red</td>
<td>625nm</td>
<td>52</td>
<td>700</td>
<td></td>
<td>1.8</td>
</tr>
</tbody>
</table>

* = Color and (5° or 25°) Optics
Specifications

Operating Specifications:
- Operating PCB temperature: 65 °C (Recommended)
- Maximum PCB temperature: 100 °C
- Thermal Resistance (Rthj-a): 32 °C/W
- Projected life: 50,000 hours (70% lumen maintenance at 65 °C)
- Additional heat sinking required, refer to CML technical support for thermal management guidelines

Photometric Data

Radiation Pattern with 5° optic (CW)

Radiation Pattern with 25° optic (CW)