

Round LED Pure White, 3mm

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Specifications:

| | |
|-------------------------|---------------|
| Dice material | : InGaN |
| Emitted colour | : White |
| Lens colour | : Water clear |
| Dominant wavelength | : Y = 0.31 |
| Viewing angle | : 36° |
| Luminous intensity (IV) | : 2,700mcd |

Absolute Maximum Ratings (Ta = 25°C)

| | |
|--|---------------------|
| Reverse Voltage | 5V |
| Reverse Current | 10µA (VR = 5V) |
| Electrostatics Discharge (ESD) | 200V |
| Operating Temperature Range | -40°C to +85°C |
| Storage Temperature Range | -40°C to +100°C |
| Lead Soldering Temperature Range 1.6mm (1/16 inch) from body | 260°C for 5 Seconds |

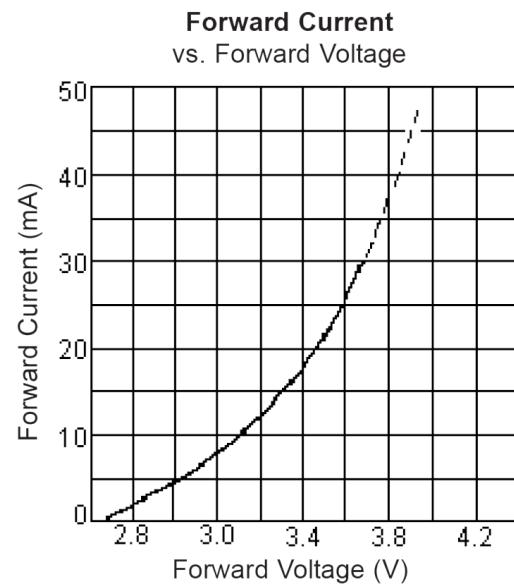
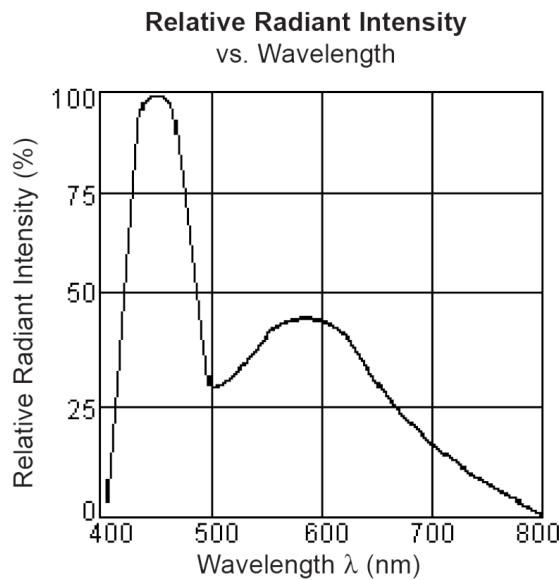
Electrical/Optical Characteristics at Ta = 25°C

| Parameter | Symbol | Minimum | Typical | Maximum | Unit | Test |
|--|-----------|---------|---------|---------|---------|-----------|
| Luminous Intensity | IV | 1,350 | 2,700 | 4,000 | mcd | IF = 20mA |
| Viewing Angle | 2θ 1/2 | - | 36 | - | degrees | - |
| Peak Emission Wavelength | X | - | 0.29 | - | nm | - |
| Dominant Wavelength | Y | - | 0.31 | - | - | - |
| Spectral Line Half-Width | Δλ | - | - | - | - | - |
| Forward Voltage | VF | 2.7 | 3.4 | 4 | V | IF = 20mA |
| Power Dissipation | Pd | - | - | 85 | - | - |
| Peak Forward Current (Duty 1/10 at 1KHz) | IF (Peak) | - | - | 100 | - | - |
| Recommended Operating Current | IF (Rec) | - | 20 | - | mA | - |

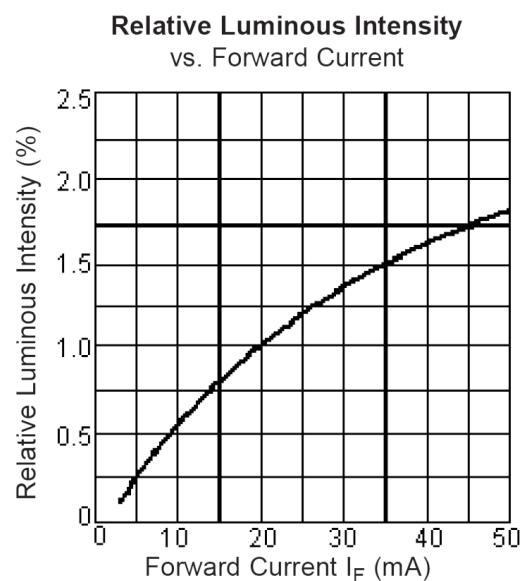
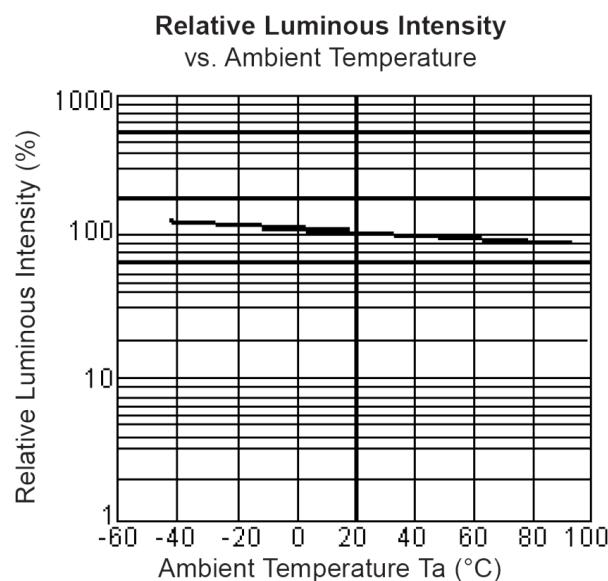
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White Typical Electrical Optical Characteristics Curves ($T_a = 25^\circ\text{C}$ Ambient Temperature Unless Otherwise Noted)



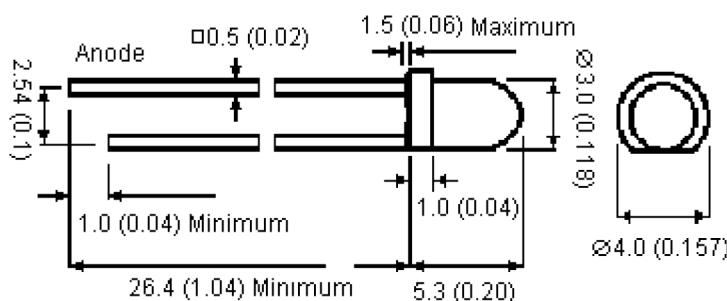
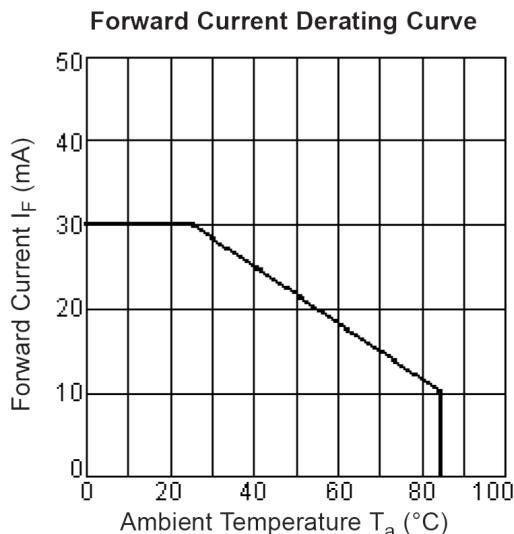
White Typical Electrical Optical Characteristics Curves ($T_a = 25^\circ\text{C}$ Ambient Temperature Unless Otherwise Noted)



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White Typical Electrical Optical Characteristics Curves ($T_a = 25^\circ\text{C}$ Ambient Temperature Unless Otherwise Noted)



Dimensions : Millimetres

Part Number Table

| Description | Part Number |
|---------------------------|---------------|
| LED, 3mm, 36°, Pure White | MCL034SWC-WH1 |

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