



Part No.: JSL-303CWC

Features:

- Single color
- High bright output
- Low power consumption
- High reliability and long life
- Compliance with EU REACH

Descriptions:

- Emitting Color: Super Bright Cold White
- Device Outline: 3mm Round With Flange Type
- Lens Type: Water Clear
- The LED lamps are available with different colors, intensities.

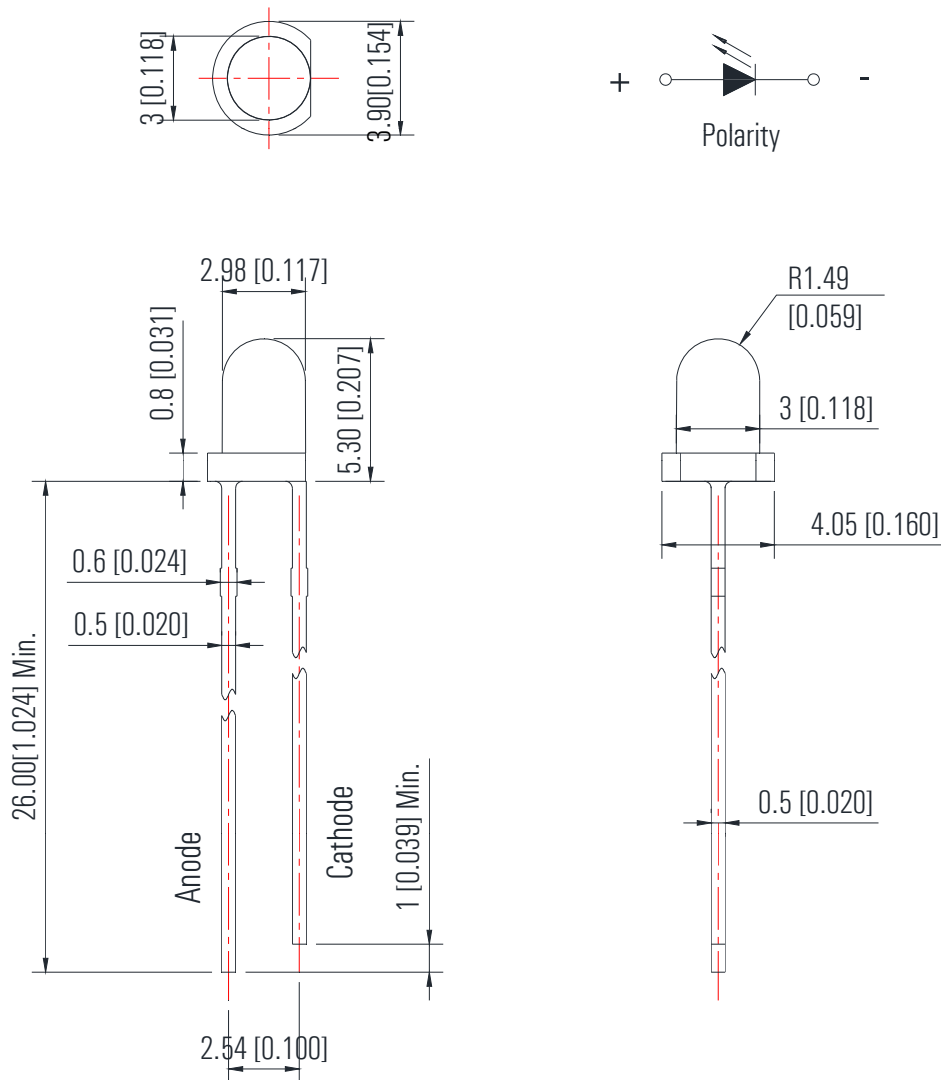
Application:

- Circuit board.
- Indicators.
- Computer.
- Commercial Lighting use.



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Package Dimension:



Notes:

1. All dimensions are millimeters/单位: mm.
2. Tolerance is +/-0.25mm unless otherwise noted/
没有标注的公差均为±0.25mm



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Absolute maximum ratings (Ta = 25°C)

| Parameter | Symbol | Test Condition | Values | | Unit |
|-----------------------|-------------------|-------------------------|--------|------|------|
| | | | Min. | Max. | |
| Reverse Voltage | V _R | I _R = 30 μ A | ---- | 5 | V |
| Forward Current | I _F | ---- | ---- | 25 | mA |
| Power Dissipation | P _d | ---- | ---- | 85 | mW |
| Pulse Current | I _{peak} | Duty=0.1mS, 1kHz | ---- | 100 | mA |
| Operating Temperature | T _{opr} | ---- | -40 | +85 | °C |
| Storage Temperature | T _{str} | ---- | -40 | +85 | °C |

Electrical and optical characteristics (Ta = 25°C)

| Parameter | Symbol | Test Condition | Values | | | Unit |
|-------------------------|----------------|-----------------------|--------|------|------|------|
| | | | Min. | Typ. | Max. | |
| Forward Voltage 正向电压 | V _F | I _F =20mA | 2.8 | 3.0 | 3.4 | V |
| Reverse Current | I _R | V _R =5V | ---- | ---- | 30 | μ A |
| Color Temperature | T _c | I _F = 20mA | ---- | 9000 | ---- | K |
| Luminous Intensity | I _v | I _F =20mA | 6000 | 8500 | ---- | mcd |
| Color Rendering index | CRI | I _F = 20mA | ---- | 75 | ---- | Ra |
| Viewing Angle | 2 θ 1/2 | I _F =20mA | ---- | 30 | ---- | deg. |

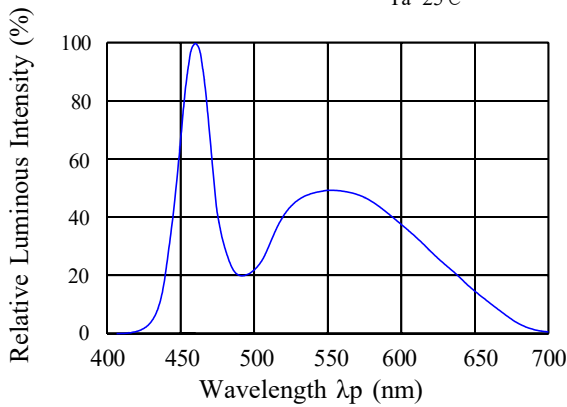


Typical electrical/optical characteristic curves:

(25°C Ambient Temperature Unless Otherwise Noted)

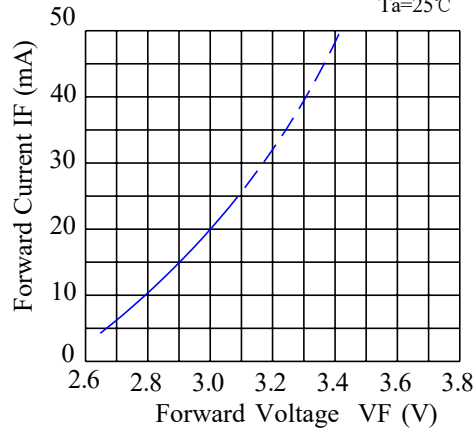
Spectrum Distribution

Ta=25°C

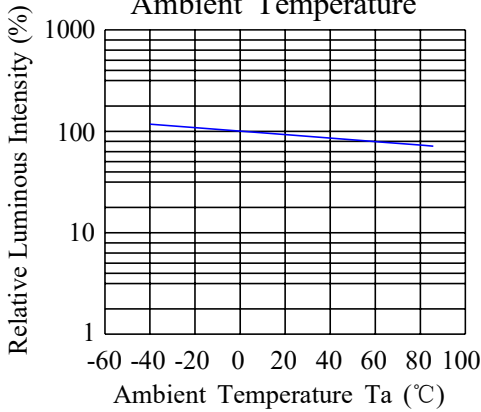


Forward Current & Forward Voltage

Ta=25°C

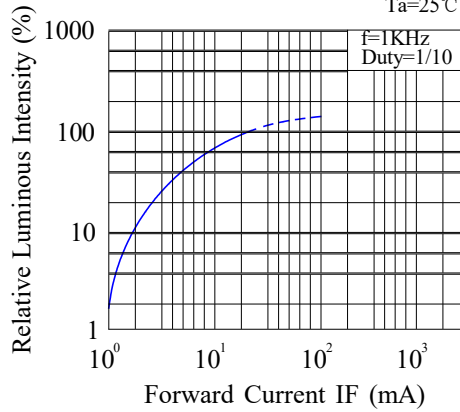


Luminous Intensity & Ambient Temperature

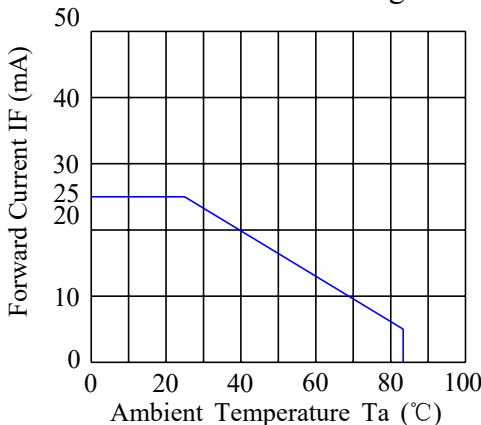


Luminous Intensity & Forward Current

Ta=25°C



Forward Current Derating Curve



Radiation Diagram

Ta=25°C

