



Part No.: JSL-502CWC

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: 5mm Round With Flange Type
- Lens Type: Water Clear
- The LED lamps are available with different colors, intensities.

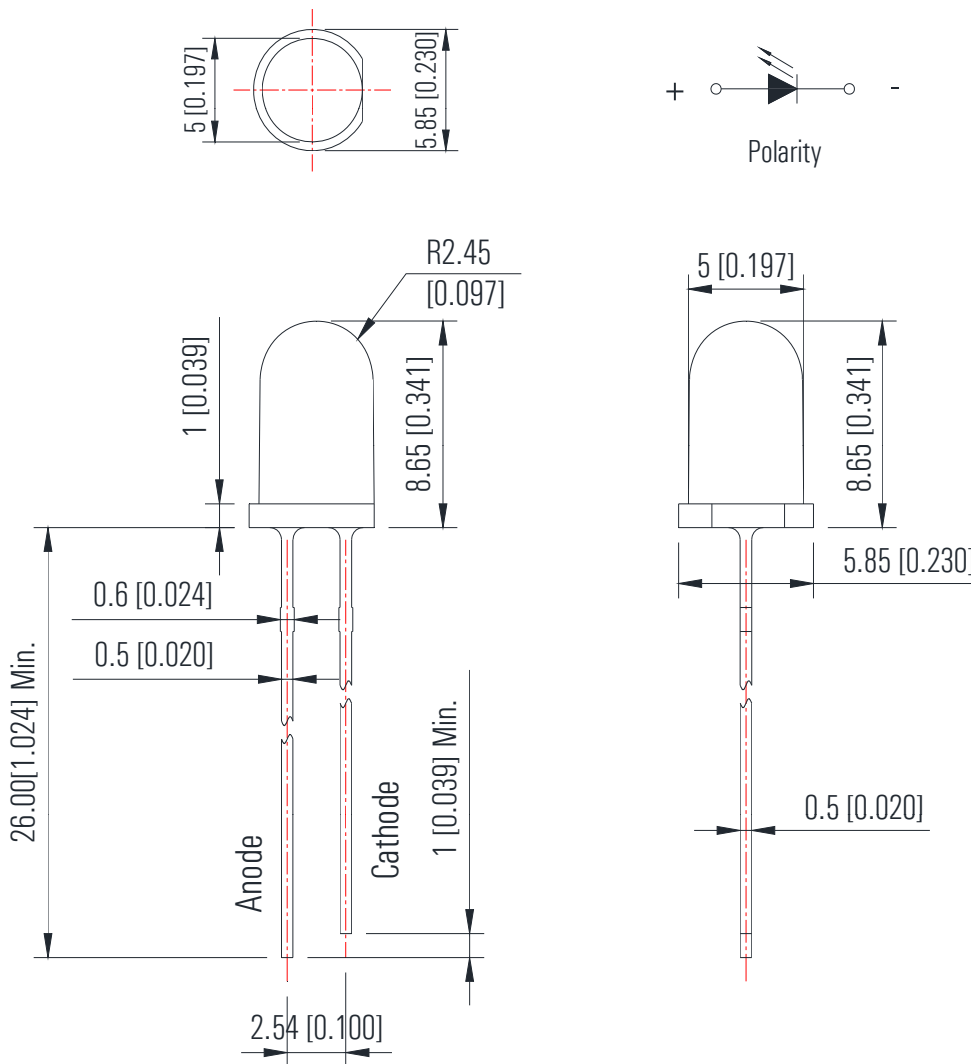
Application:

- Message Panel.
- Backlighting.
- Optical indicator.
- 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	18000	25000	----	mcd
Color Rendering index	CRI	I _F = 20mA	----	75	----	Ra
Viewing Angle	2 θ 1/2	I _F =20mA	----	15	----	deg.

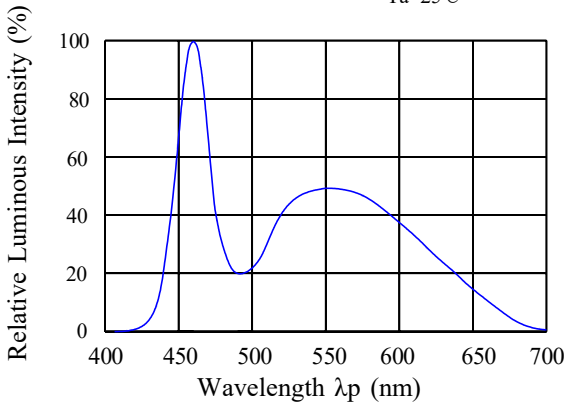


Typical electrical/optical characteristic curves:

(25°C Ambient Temperature Unless Otherwise Noted)

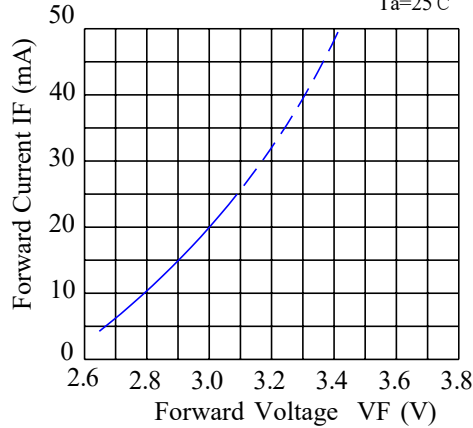
Spectrum Distribution

Ta=25°C

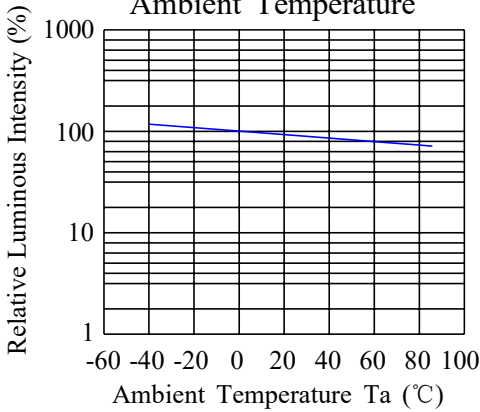


Forward Current & Forward Voltage

Ta=25°C

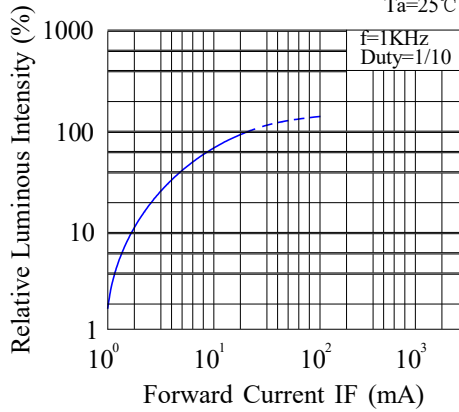


Luminous Intensity & Ambient Temperature

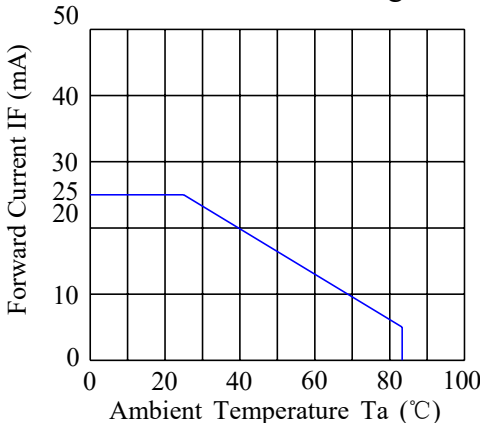


Luminous Intensity & Forward Current

Ta=25°C



Forward Current Derating Curve



Radiation Diagram

Ta=25°C

