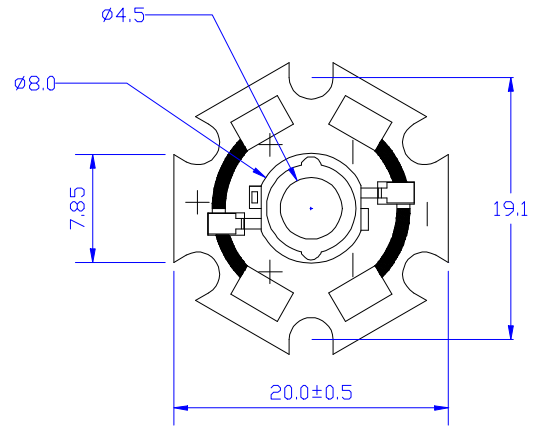


Part No.: JLSL-3W-FS

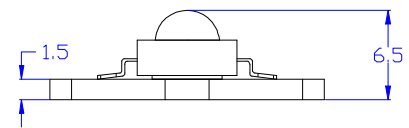
Features:

- Highest Flux
- High reliability and Very long operating life (up to 100K hours)
- Low voltage DC operated
- More Energy Efficient than Incandescent and most Halogen lamps
- NO UV
- Superior ESD protection



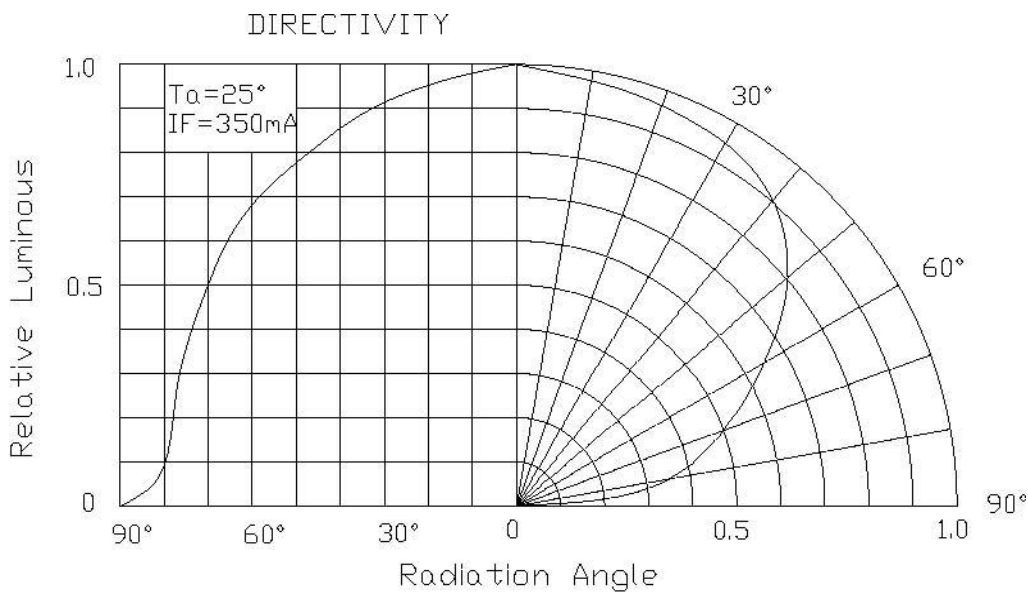
Typical Applications:

- Growing lights
- Vegetable Lighting



NOTE:

- All dimensions are millimeter.
- Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted





Ningbo Junsheng Electronics Co.,LTD.

Part No.: **JLS-3W-FS**

Absolute maximum ratings (Ta = 25°C)

| Parameter | Symbol | Test Condition | Value | | Unit |
|--------------------------|-------------------|----------------|-------------------------|------|------|
| | | | Min. | Max. | |
| DC Forward Current | I _F | ---- | ---- | 700 | mA |
| Peak Pulse Current | I _{peak} | Duty=0.1, 1kHz | ---- | 1000 | mA |
| Power Dissipation | P _d | ---- | ---- | 3.0 | W |
| LED Junction Temperature | T _j | ---- | ---- | 120 | °C |
| Operating Temperature | T _{opr} | ---- | -25 | +100 | °C |
| Storage Temperature | T _{str} | ---- | -40 | +120 | °C |
| ESD Sensitivity | --- | HBM | 8000 | ---- | V |
| Soldering Temperature | --- | ---- | 260°C for 5 Seconds max | | |

Electrical and optical characteristics (Ta = 25°C)

| Parameter | Symbol | Test Condition | Value | | | Unit |
|---------------------|----------------|------------------------|-------|------|------|------|
| | | | Min. | Typ. | Max. | |
| Forward Voltage | V _F | I _F = 700mA | 3.0 | ---- | 3.6 | V |
| Luminous Flux | Φ _v | I _F = 700mA | 90 | ---- | 150 | lm |
| Viewing Angle | 2θ 1/2 | I _F = 700mA | ---- | 120 | ---- | Deg. |
| Dominate Wavelength | λ _d | I _F = 700mA | 400 | ---- | 850 | nm |

Typical Electro-Optical Characteristics Curves

