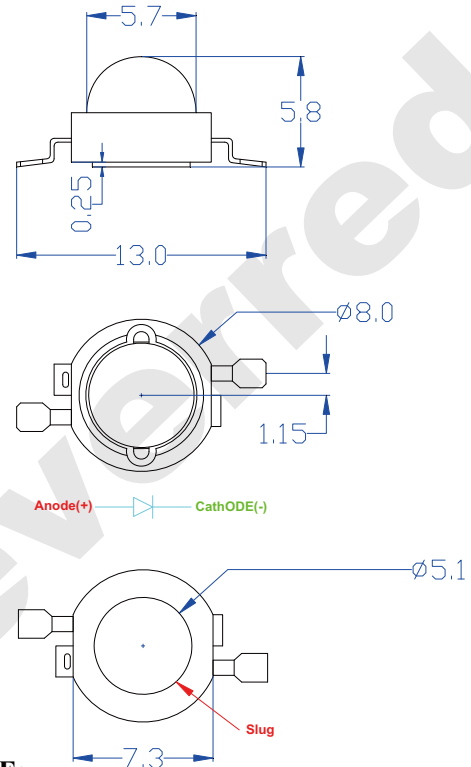


Features:

- Highest Flux
- High reliability and Very long operating life
- Low voltage DC operated
- More Energy Efficient
- NO UV
- Superior ESD protection
- RoHS Compliant

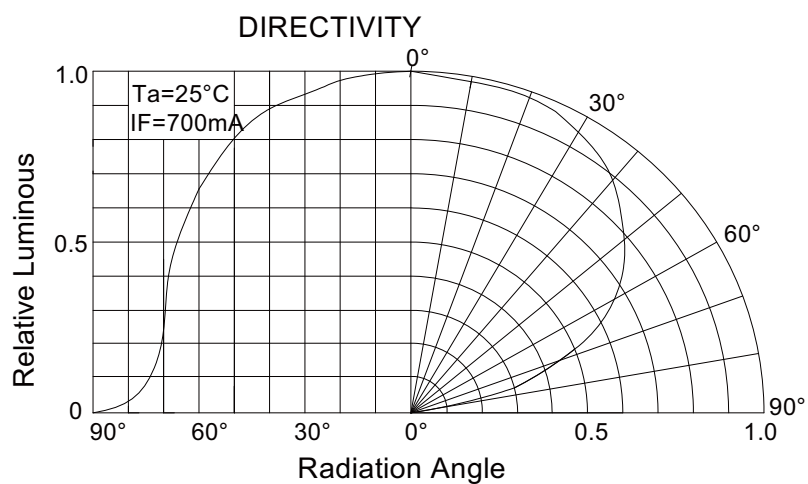
Typical Applications:

- Reading lights
- Portable
- Automotive Exterior
- Decorative



NOTE:

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





Absolute maximum ratings (Ta = 25°C)

| Parameter | Symbol | Test Condition | Value | | Unit |
|--------------------------|--------|------------------|-------|------|------|
| | | | Min. | Max. | |
| DC Forward Current | IF | ---- | ---- | 700 | mA |
| Peak Pulse Current | Ipeak | Duty=0.1mS, 1kHz | ---- | 1000 | mA |
| Power Dissipation | Pd | ---- | ---- | 3.0 | W |
| LED Junction Temperature | Tj | ---- | ---- | 120 | °C |
| Operating Temperature | Topr | ---- | -25 | +100 | °C |
| Storage Temperature | Tstr | ---- | -40 | +120 | °C |
| ESD Sensitivity | --- | HBM | 8000 | --- | V |

Electrical and optical characteristics (Ta = 25°C)

| Parameter | Symbol | Test Condition | Value | | | Unit |
|---------------------|--------|----------------|-------|------|------|------|
| | | | Min. | Typ. | Max. | |
| Forward Voltage | VF | IF = 700mA | 2.2 | 2.6 | 3.5 | V |
| Luminous Flux | Φv | | ---- | 70 | ---- | lm |
| Viewing Angle | 2θ 1/2 | | ---- | 140 | ---- | Deg. |
| Dominant Wavelength | λd | | 620 | ---- | 630 | nm |

Luminous Flux Bins (Ta = 25°C)

Unit:lm

| Bin | K | L | M |
|-----|----|----|-----|
| Min | 60 | 70 | 80 |
| Max | 70 | 80 | 100 |

Note

1. Flux is measured with an accuracy of ±15%
2. CCT is measured with an accuracy of ± 200K
3. Forward Voltage is measured with an accuracy of ± 0.15V