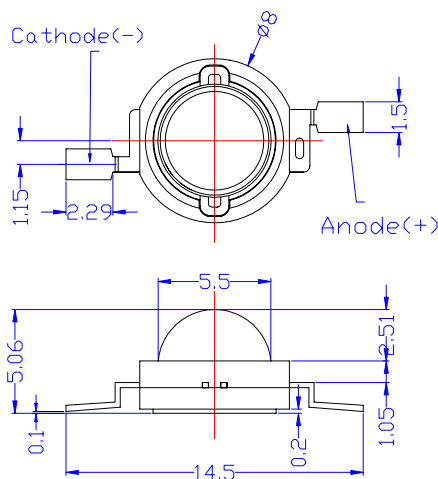


■Features

- Highest luminous flux
- Super energy efficiency
- Very long operating life (up to 100K hours)
- Superior ESD protection
- No UV

■Applications

- Read lights (car, bus, aircraft)
- Portable (flashlight, bicycle)
- Bollards / Security / Garden
- Traffic signaling / Beacons
- In door / Out door Commercial lights
- Automotive Ext

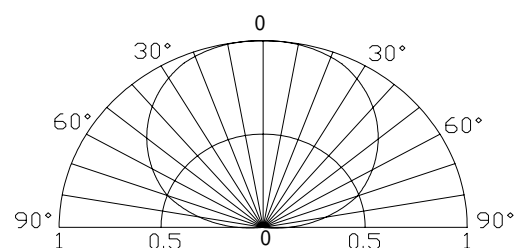
■Outline Dimension


Unit:mm
Tolerances are for reference only

■Absolute Maximum Rating (Ta=25 °C)

| Item | Symbol | Value | Unit |
|----------------------------|-----------|-----------|------|
| DC Forward Current | I_F | 400 | mA |
| Pulse Forward Current* | I_{FP} | 500 | mA |
| Reverse Voltage | V_R | 5 | V |
| Power Dissipation | P_D | 1600 | mW |
| Operating Temperature | T_{opr} | -30 ~ +85 | |
| Storage Temperature | T_{stg} | -40~ +100 | |
| Lead Soldering Temperature | T_{sol} | 260 /5sec | - |

*Pulse width Max.10ms Duty ratio max 1/10

■Directivity

■Electrical -Optical Characteristics (Ta=25 °C)

| Item | Symbol | Condition | Min. | Typ. | Max. | Unit |
|--------------------|-----------------|-------------|------|------|------|---------|
| DC Forward Voltage | V_F | $I_F=350mA$ | 3.0 | 3.3 | 4.0 | V |
| DC Reverse Current | I_R | $V_R=5V$ | - | - | 10 | μA |
| Domi. Wavelength | λ_D | $I_F=350mA$ | 500 | 505 | 510 | nm |
| Luminous Flux | ν | $I_F=350mA$ | - | 70 | 100 | lm |
| 50% Power Angle | $2\theta_{1/2}$ | $I_F=350mA$ | - | 140 | - | deg |

Note: Don't drive at rated current more than 5s without heat sink for Xeon 1 emitter series.

Forward Operating Current (DC)
