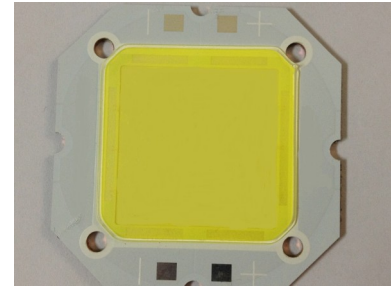


| | |
|-------------------|---|
| Under Development | ● |
| Mass production | |



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES



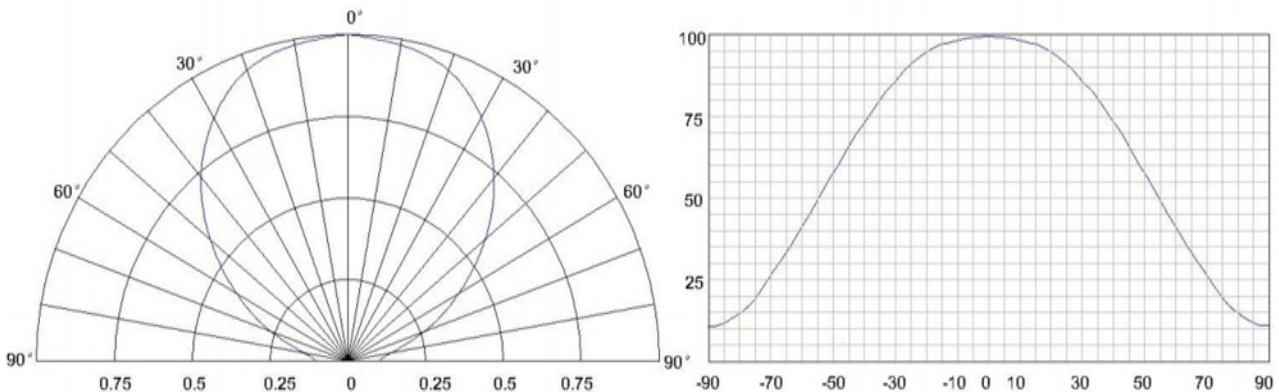
Features

- Long operating life
- Higher flux
- Available in White:6000-6500K
- More energy efficient than incandescent and most halogen lamps
- Low voltage DC operated
- Cool beam, safe to the touch
- Instant light (less than 100ns)
- Fully dimmable
- No UV
- Superior ESD protection
- RoHS compliant

Applications

- Landscape light
- Illuminant of Projector
- floodlight
- XLE-HB

Radiation Pattern



Typical Optical/ Electrical Characteristics @T_a=25°C

| Item | symbol | condition | Min. | Typ. | Max | Unit |
|------------------------------|-------------------|-----------------------|------|------|------|------|
| Forward Voltage | V _F | I _F =1.34A | 35 | 36.5 | 38 | V |
| Reverse Current | I _R | V _R =10V | — | — | 80 | μA |
| 50% Power Angle | 2θ _{1/2} | I _F =1.34A | 110 | — | 140 | deg |
| Luminous Flux | ψ _v | I _F =1.34A | 6020 | | 7040 | lm |
| Forward Current | I _F | — | — | 1.34 | — | A |
| Correlated Color Temperature | CCT | I _F =1.34A | 6020 | | 7040 | K |
| Color-rendering index | Ra | I _F =1.34A | — | 70 | — | |

Notes:

- 1.Tolerance of forward voltage :±0.1V
- 2.Tolerance of Peak Wavelength:±2.0nm
- 3.Tolerance of luminous flux:±10%

Absolute Maximum Rating

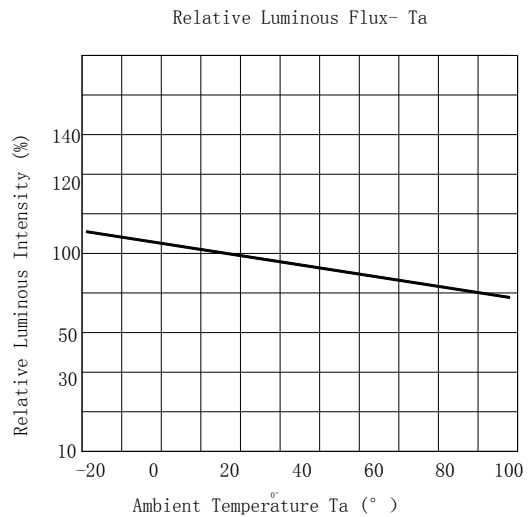
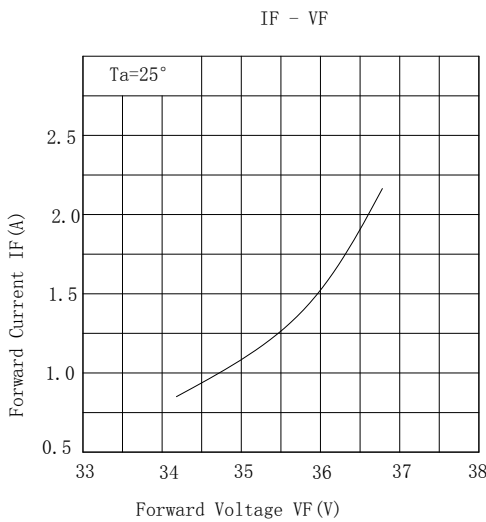
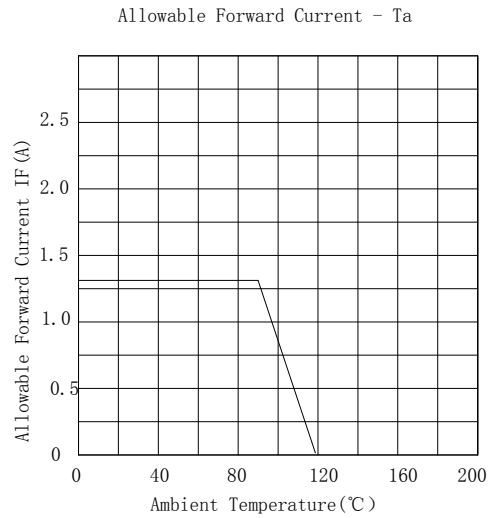
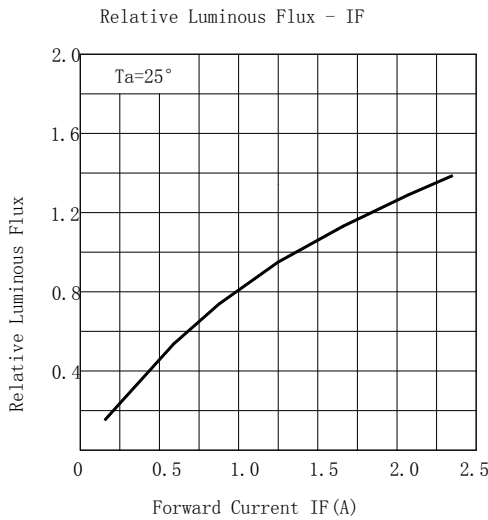
| Item | Symbol | Absolute Maximum Rating | Unit |
|-----------------------------|------------------|-------------------------|------|
| Forward | I _F | 1.34 | A |
| Peak Forward | I _{FV} | 2.4 | A |
| Reverse Voltage | V _R | 10 | V |
| Power Dissipation | P _D | 50 | W |
| Electrostatic discharge | E _{SD} | ±4000 | V |
| Operation Temperature | T _{OPR} | - 30~ + 80 | °C |
| Storage Temperature | T _{STG} | - 40~ + 100 | °C |
| Lead Soldering Temperature* | T _{SOL} | Max.260°C for 3Sec Max | |

Typical Optical/Electrical Characteristics Curves ($T_a=25^\circ\text{C}$ Unless Otherwise Noted)

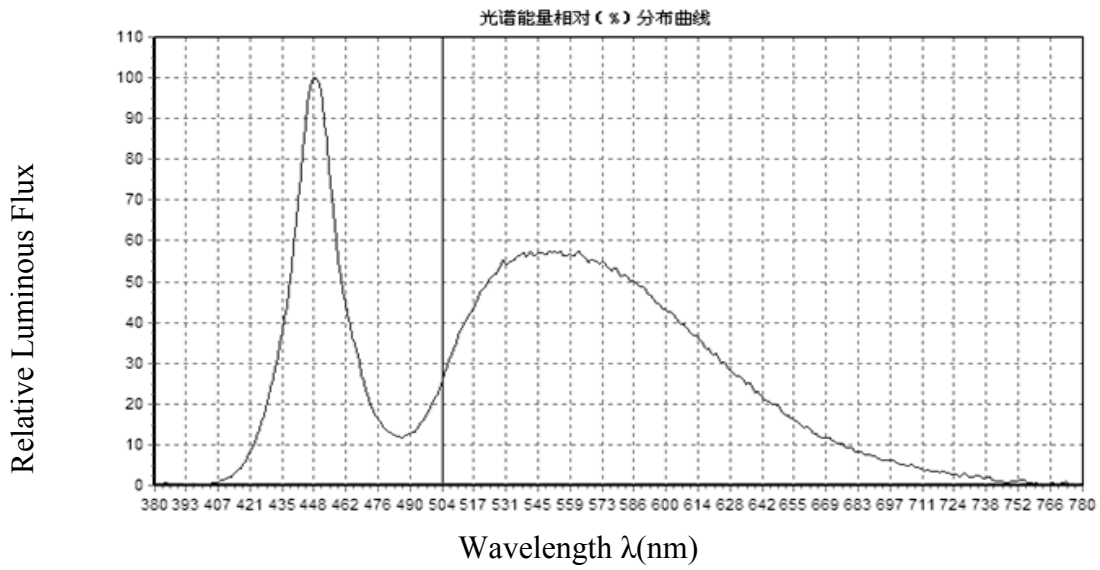
*IFP Condition: Pulse Width $\leq 10\text{msec}$ duty $\leq 1/10$

*All high power emitter LED products mounted on copper substrate can be lighted directly, but we do not recommend lighting the high power products for more than 5 seconds without a appropriate heat dissipation equipment.

*Please do not add or change wires, while LEDS is running



Wavelength Characteristics



Package Dimensions

