

FYLP-3W-URS

Features:

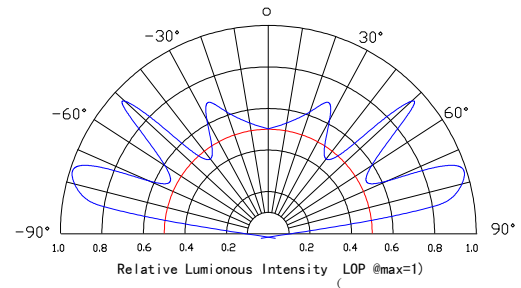
- Long operating life
- Highest flux
- Available in Red
- Lambertian radiation pattern
- More energy efficient than incandescent and most halogen lamps
- Low voltage DC operated
- Cool beam, safe to the touch
- Instant light (less than 100ns)
- Fully dimmable
- No UV
- Lower Rth

- ROHS compliant

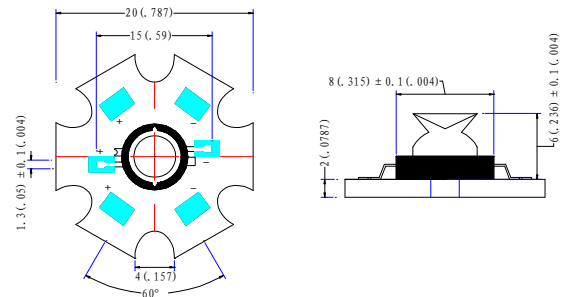
Applications

- Reading lights(car,bus,aircraft)
- LCD Backlights /light Guides
- Fiber optic alternative/Decorative/Entertainment
- Mini-accent/Up lighters/Down lighters/ Orientation
- Indoor/Outdoor commercial and Residential Architectural
- Cove/Under shelf /Task
- Bollards/Security/Garden
- Portable(flashlight,bicycle)
- Edge-lit signs (Exit, point of sale)
- Automotive Exit (stop –tail-Turn ,CHMSL,Mirror Side Repeat)
- Trafficsignaling /Beacons/railCrossing and Wayside

Radiation Pattern



Package Dimensions



■ **Typical Optical/Electrical Characteristics@T_J=25°C**

| Item | symbol | Condition | Min | Typ | Max | Unit |
|-------------------------------------|-------------------|-----------------------|-----|-----|-----|------|
| Forward Voltage | V _F | I _F =800mA | 2.4 | 2.6 | 3.0 | V |
| Reverse Current | I _R | V _R =5V | | | 50 | uA |
| 50% Power Angle | 2θ _{1/2} | I _F =800mA | -- | 175 | -- | deg |
| Luminous Intensity | Φ _v | I _F =800mA | 40 | 48 | | LM |
| Recommend Forward Current | I _F | | | 800 | | mA |
| Wave length | λ _d | I _F =800mA | 620 | 625 | 630 | nm |
| Thermal Resistance,Junction to Case | R _{jp} | I _F =800mA | | 10 | | °C/W |

- Notes: 1. Tolerance of measurement of forward voltage $\pm 0.1v$
 2. Tolerance of measurement of peak Wavelength $\pm 2.0nm$
 3. Tolerance of measurement of luminous intensity $\pm 15\%$.

■ **Absolute Maximum Rating**

| Item | symbol | Absolute Maximum Rating | Unit |
|-----------------------------|------------------|-------------------------|------|
| Forward Current | I _F | 800 | mA |
| Peak Forward Current* | I _{FD} | 1200 | mA |
| Reverse Voltage | V _R | 5 | V |
| Power Dissipation | P _D | 3000 | mW |
| Operation Temperature | T _{OPR} | -30°C to +80°C | |
| Storage Temperature | T _{STG} | -40°C to +100°C | |
| Lead Soldering Temperature* | T _{SOL} | 260°C for 3 Seconds Max | |

- IFP Conditions :Pulse Width ≤ 10 msec duty $\leq 1/10$
- All high Power emitter LED products mounted on aluminum metal-core printed circuit board, can be lighted directly ,but we do not recommend lighting the high power products for more than 5 seconds without a directly,but we do not recommend lighting the high powe products for more than 5 seconds without a appropriate heat dissipation equipment.
- Re-flow, wave peak and soak-stannum soldering etc. is not suitable for this products.
- Suggest to solder it by professional high power LED soldering machine.
- Can use invariable -temperature searing-iron with soldering condition: ≤ 260 degreen less than 3 seconds.

■ Typical optical/Electrical Characteristics Curves (Tj=25°C Unless Otherwise Noted)

