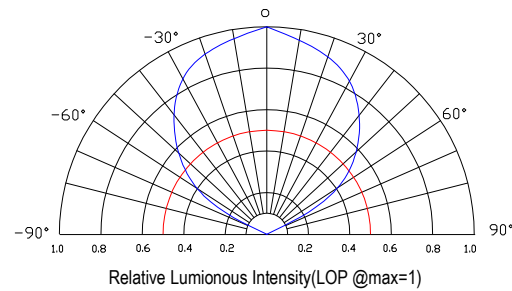


FYLP-5W-URL

Features:

- Long operating life
- Highest flux per Led family in the world.
- 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
- Superior ESD protection
- Eutectic die bonding
- ROHS compliant
- Instant light

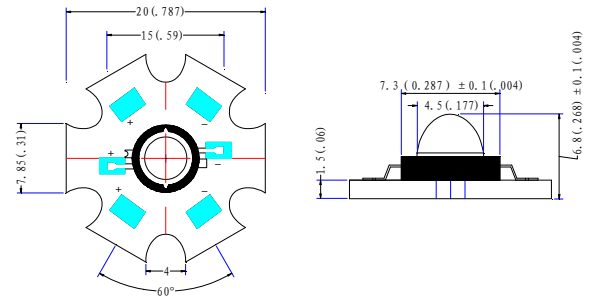
Radiation Pattern



Package Dimensions

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



■ Typical Optical/Electrical Characteristics@TJ=25℃

Item	symbol	Condition	Min	Typ	Max	Unit
Forward Voltage	VF	IF=1.2A	2.0		2.8	V
Reverse Current	IR	VR=5V			50	uA
50% Power Angle	2θ _{1/2}	IF=1.2mA	100	110	120	deg
Luminous Intensity	Φ _v	IF=1.2mA	70	80	-	LM
Recommend Forward Current	IF			1.2		A
Wave length	λ _d	IF=1.2A	620	625	630	nm
Thermal Resistance,Junction to Case	R _{jp}	IF=1.2A		18		℃/W

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

■ Absolute Maximum Rating

Item	symbol	Absolute Maximum Rating	Unit
Forward Current	IF	1.2	A
Peak Forward Current*	IFD	1.3	A
Reverse Voltage	VR	5	V
Power Dissipation	PD	5	W
Operation Temperature	TOPR	-30℃ to +80℃	
Storage Temperature	TSTG	-40℃ to +100℃	
Lead Soldering Temperature*	TSOL	260℃ for 3 Seconds Max	

- IFP Conditions :Pulse Width $\leq 10\text{ msec}$ 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 degree less than 3 seconds.

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

