

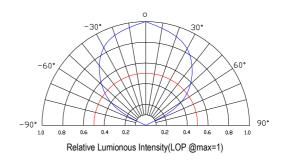
HIGH POWER

FYLP-5W-PGL

Features:

- Long operating life
- Highest flux per Led family in the world.
- Available in Pure green
- 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

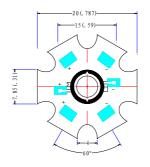
Radiation Pattern

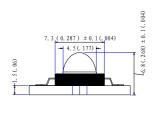


Package Dimensions

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.







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■ Typical Optical/Electrical Characteristics@TJ=25°C

ltem	symbol	Condition	Min	Тур	Max	Unit
Forward Voltage	VF	IF=1.2A	3.2		4.2	V
Reverse Current	IR	VR=5V			50	uA
50% Power Angle	2θ _{1/2}	IF=1.2mA	100	110	120	deg
Luminous Intensity	Ф۷	IF=1.2mA	130	150	-	LM
Recommend Forward Current	IF			1.2		Α
Wave length	λd	IF=1.2A	520		525	nm
Thermal Resistance, Junction to Case	Rjp	IF=1.2A		18		°C/W

Notes: 1. Tolerance of measurement of forward voltage $\pm 0.1 v$

- 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	IF	1.2	Α		
Peak Forward Current*	IFD	1.3	Α		
Reverse Voltage	VR	5	V		
Power Dissipation	PD	5	W		
Electrostatic discharge	Esd	4500	V		
Operation Temperature	Topr	-30°C to +80°C	-30℃ to +80℃		
Storage Temperature	TSTG	-40℃ to +100℃			
Lead Soldering Temperature*	TsoL	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 power 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.
- Sueggest 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.

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

