



ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

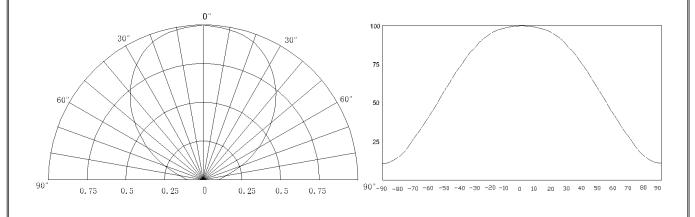
- Long operating life
- Highest flux
- Available in White:2500K-25000K
- Lambertian radiation pattern
- More energy efficient than incandescent and most halogen lamps
- Low voltage DC operated
- Cool beam, safe to the touch
- Instant light (less than 100ns)
- Fully dimmable
- No UV
- Superior ESD protection
- Eutectic die bonding

Radiation Pattern



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)
- Traffic signaling / Beacons / RailCrossing and Wayside





Typical Optical/ Electrical Characteristics @T	_ =25 ℃
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Item	Symbol	Condition	Min.	Тур.	Max.	Unit
	V _F (R)		2.0	2.6	3.0	
Forward Voltage	V _F (G)	IF=350mA	3.0	3.4	4.0	V
	V _F (B)		3.0	3.4	4.0	
Reverse Current	I _R	VR=5v			50	uA
50% Power Angle	201/2	IF=350mA	110		140	deg
Recommend Forward Current	I _F			350		mA
Luminous Intensity	ΦV(R)		26.8	30.6		
	ΦV(G)	IF=350mA	51.7	59.8		Im
	ΦV(B)		8.2	10.2		-
Wave Length	$\lambda_{d}(R)$		620	625		
	$\lambda_d(G)$	IF=350mA	520	525		nm
	$\lambda_{d}(B)$	1	460	465		1

Notes:

1. Tolerance of measurement of forward voltage±0.1V.

2. Tolerance of measurement of peak Wavelength±2.0nm.

3. Tolerance of measurement of luminous intensity±15%.

Absolute Maximum Rating

Item	Symbol	Absolute Maximum Rating	Unit	
Forward Current	l _F	350	mA	
Peak Forward Current*	I _{FP}	500	mA	
Reverse Voltage	V _R	5	V	
Power Dissipation	P _D	1000	mW	
Electrostatic discharge	E _{SD}	±2000	V	
Operation Temperature	T _{OPR}	-40~+80	$^{\circ}\mathrm{C}$	
Storage Temperature	T _{STG}	-40~+100	$^{\circ}\mathrm{C}$	
Lead Soldering Temperature*	T _{SOL}	Max. 260 ℃ for 3sec Max.		

*IFP Conditions: Pulse Width≤10msec duty≤1/10

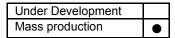
* All high power emitter LED products mounted on aluminum metal-core printed circuit board, can be lighted directly, but we do not recommend lighting the high power products for more than 5 seconds without a appropriate heat dissipation equipment.

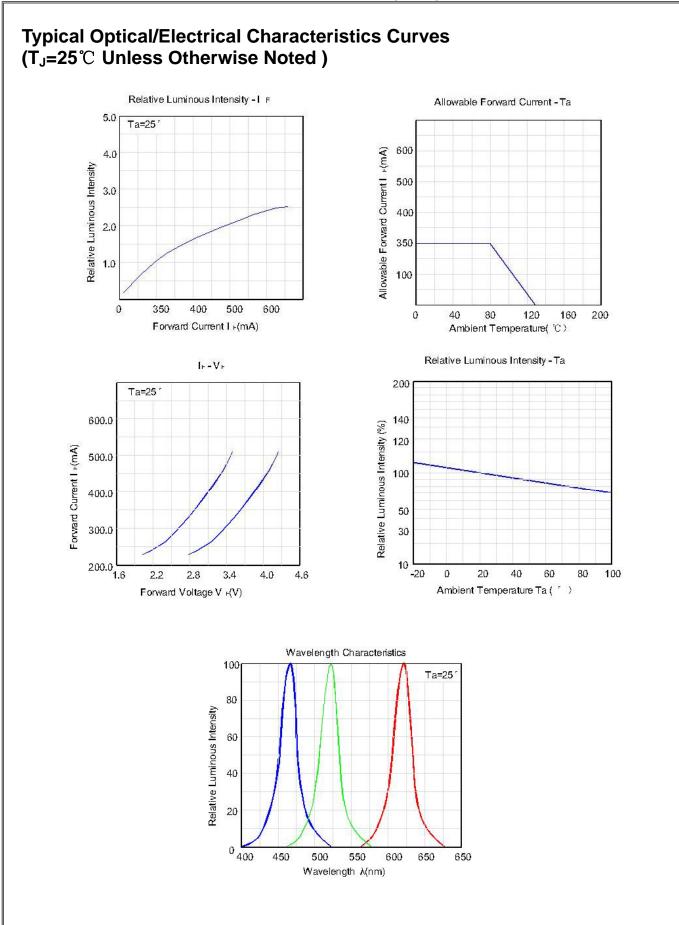
* Re-flow, wave peak and soak-stannum soldering etc.is not suitable for this products.

* Suggest to solder it by professional high power LED soldering machine.

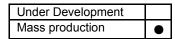
* Can use invariable-temperature searing-iron with soldering condition:<260 degree less than 3 seconds.



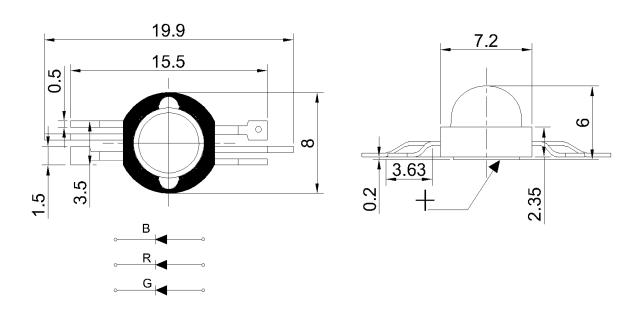








Package Dimensions



Notes:

- 1. All dimension units are millimeters.
- 2. All dimension tolerance is ± 0.2 mm unless otherwise noted.

Package Adhesive pipe (Units : mm)

