

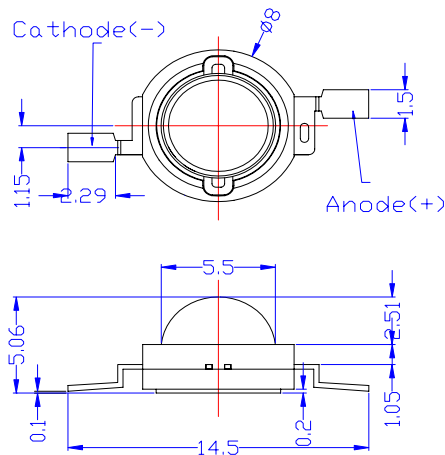
■Features

- Highest luminous flux
- Super energy efficiency
- Very long operating life (up to 100K hours)
- Superior ESD protection
- No UV

■Applications

- Read lights (car, bus, aircraft)
- Portable (flashlight, bicycle)
- Bollards / Security / Garden
- Traffic signaling / Beacons
- In door / Out door Commercial lights
- Automotive Ext

■Outline Dimension



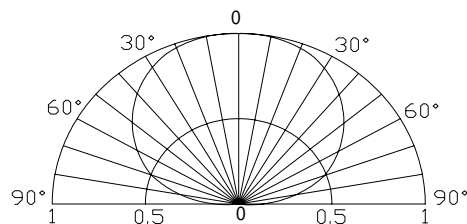
Unit:mm
Tolerances are for reference only

■Absolute Maximum Rating (Ta=25)

Item	Symbol	Value	Unit
DC Forward Current	I _F	800	mA
Pulse Forward Current*	I _{FP}	1000	mA
Reverse Voltage	V _R	5	V
Power Dissipation	P _D	3200	mW
Operating Temperature	Topr	-30 ~ +85	
Storage Temperature	Tstg	-40~ +100	
Lead Soldering Temperature	Tsol	260 /5sec	-

*Pulse width Max.10ms Duty ratio max 1/10

■Directivity



■Electrical -Optical Characteristics (Ta=25)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V _F	I _F =700mA	3.0	3.3	4.0	V
DC Reverse Current	I _R	V _R =5V	-	-	10	μA
Domi. Wavelength	λ _D	I _F =700mA	520	525	535	nm
Luminous Flux	v	I _F =700mA	-	130	180	lm
50% Power Angle	2θ _{1/2}	I _F =700mA	-	140	-	deg

Note: Don't drive at rated current more than 5s without heat sink for Xeon 3 emitter series.

Forward Operating Current (DC)

