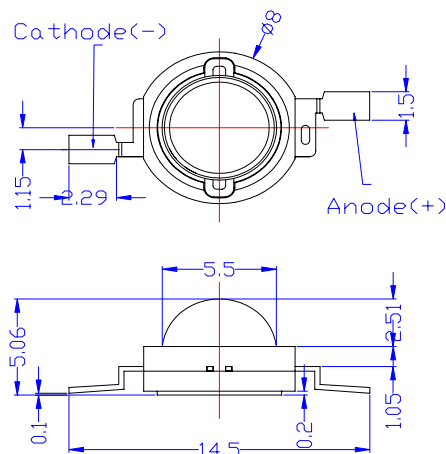


**■Features**

- 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

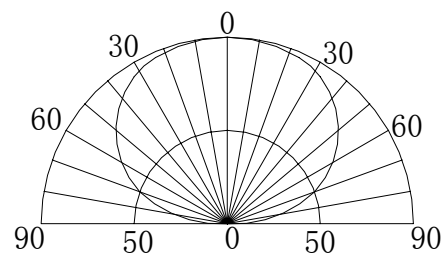
**■Outline Dimension**


Unit:mm  
Tolerances are for reference only

**■Absolute Maximum Rating (Ta=25 °C)**

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	$P_D$	2400	mW
Operating Temperature	$T_{opr}$	-30 ~ +85	
Storage Temperature	$T_{stg}$	-40~ +100	
Lead Soldering Temperature	$T_{sol}$	260 /5sec	-

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

**■Directivity**

**■Electrical -Optical Characteristics (Ta=25 °C)**

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	$V_F$	$I_F=700mA$	2.0	2.5	3.0	V
DC Reverse Current	$I_R$	$V_R=5V$	-	-	10	$\mu A$
Domi. Wavelength	$\lambda_D$	$I_F=700mA$	585	590	600	nm
Luminous Flux	$\nu$	$I_F=700mA$	-	90	120	lm
50% Power Angle	$2\theta_{1/2}$	$I_F=700mA$	-	140	-	deg

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

**■Forward Operating Current (DC)**
