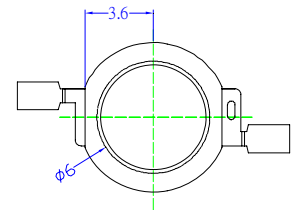
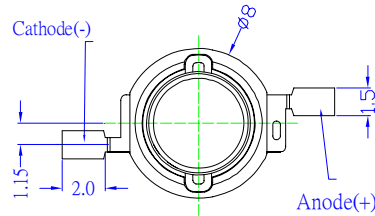


**■Features**

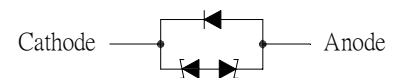
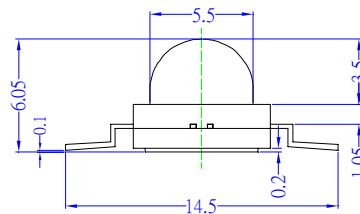
- Highest Luminous Flux
- Super Energy Efficiency
- Long Lifetime Operation
- Superior ESD protection
- Superior UV Resistance

**■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**


BackView

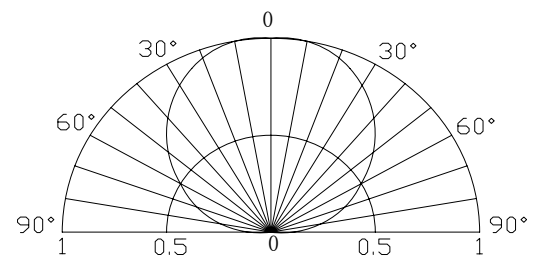

 ESD Protection Diode  
 Unit:mm  
 Tolerance:±0.30mm

**■Absolute Maximum Rating**

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I <sub>F</sub>	800	mA
Pulse Forward Current*	I <sub>FP</sub>	1000	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	3200	mW
Operating Temperature	Topr	-30 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +100	°C
Lead Soldering Temperature	Tsol	260°C/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 <sub>F</sub>	I <sub>F</sub> =700mA	3.0	3.3	4.0	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	μA
Domi. Wavelength	λ <sub>D</sub>	I <sub>F</sub> =700mA	465	470	475	nm
Luminous Flux	Φ <sub>v</sub>	I <sub>F</sub> =700mA	20	30	-	lm
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =700mA	-	120	-	deg

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

**■Forward Operating Current (DC)**
