

■ **Features**

- Highest Luminous Flux
- Super energy efficiency
- Long Lifetime Operation
- Superior UV Resistance

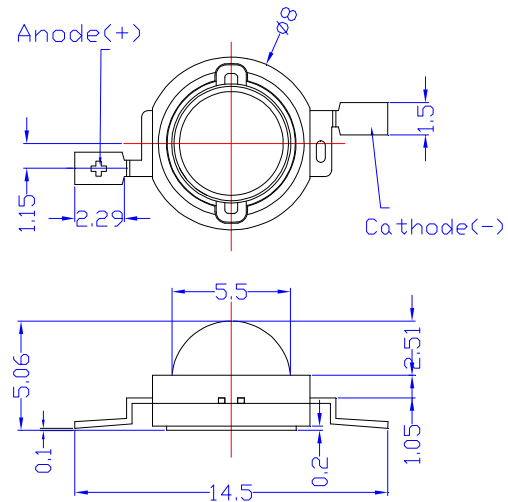
■ **Caution**

- Avoid Reflow Soldering Process

■ **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

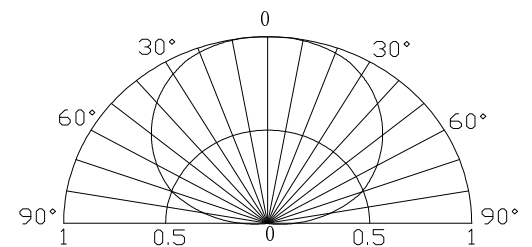
■ **Absolute Maximum Rating**

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I <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>	2400	mW
Operating Temperature	T <sub>opr</sub>	-30 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40~ +100	°C
Lead Soldering Temperature	T <sub>sol</sub>	260°C/5sec	-

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

■ **Directivity**

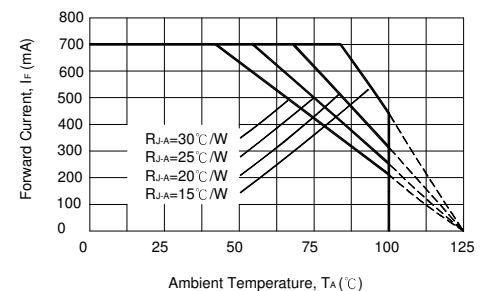


■ **Electrical -Optical Characteristics**

(Ta=25°C)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =350mA	2.0	2.3	3.0	V
		I <sub>F</sub> =700mA	2.5	2.8	3.5	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	585	590	595	nm
Luminous Flux	Φ <sub>v</sub>	I <sub>F</sub> =700mA	70	80	-	lm
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =700mA	-	140	-	deg

■ **Forward Operating Current (DC)**



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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

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