

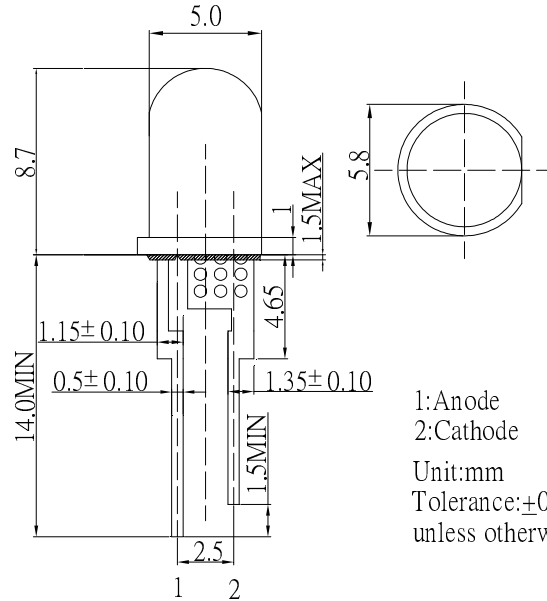
**■Features**

- Highest luminous flux
- Long Lifetime Operation
- Low Thermal resistance
- Water Clear Type

**■Applications**

- Read Lights (car, bus, aircraft)
- Bollards / Security / Garden
- Small Area Illuminations
- Indoor / Outdoor Commercial lights
- Automotive Ext

**■Outline Dimension**



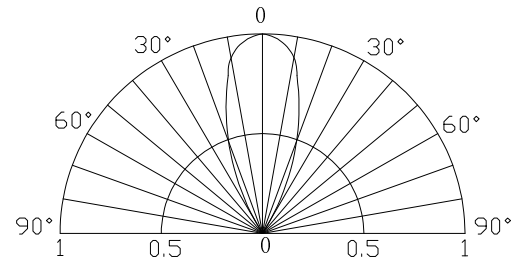
**■Absolute Maximum Rating**

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Current	I <sub>F</sub>	180	mA
Pulse Forward Current#	I <sub>FP</sub>	200	mA
Reverse Voltage	V <sub>R</sub>	5	V
Power Dissipation	P <sub>D</sub>	684	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*1	V <sub>F</sub>	I <sub>F</sub> =150mA	-	3.3	3.8	V
DC Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	-	-	10	μA
Luminous Flux*2	Φ <sub>v</sub>	I <sub>F</sub> =150mA	35	40	-	lm
Luminous Intensity*3	I <sub>v</sub>	I <sub>F</sub> =150mA	50000	60000	-	mcd
Color Temperature*4	CCT	I <sub>F</sub> =150mA	5500	6500	8500	K
Chromaticity Coordinates*5	x	I <sub>F</sub> =50mA	-	0.31	-	
	y	I <sub>F</sub> =150mA	-	0.33	-	
50% Power Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =150mA	-	40	-	deg

\*1 Tolerance of measurements of forward voltage is ±0.1V

\*2 Tolerance of measurements of luminous flux is ±15%

\*3 Tolerance of measurements of luminous intensity is ±15%

\*4 Tolerance of measurements of color temperature is ±10%

\*5 Tolerance of measurements of chromaticity coordinate is ±10%

**InGaN LED**

**TYPICAL ELECTRICAL/OPTICAL CHARACTERISTIC CURVES**

