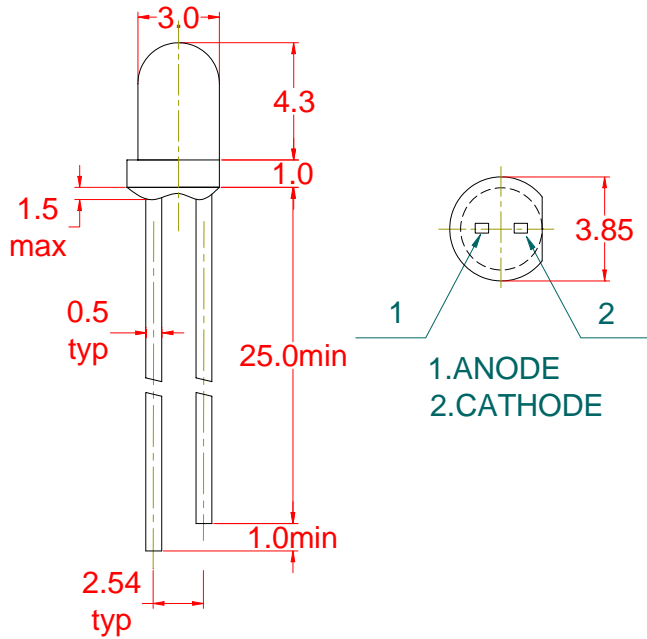


# DATA SHEET for LED

Part No.	LUW/G/B30243	
Emitting Color	Lens' Color	Chip Material
Super White/Green/Blue	Water Clear	InGaN

## Package Dimensions :



## Note :

1. All dimensions are in millimeters(mm)
2. Tolerance is  $\pm 0.25$ mm unless otherwise noted

### Absolute Maximum Rating of Each Segment (Ta = 25 °C)

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P <sub>M</sub>	150	mW
Pulse Forward Current (Duty 1/10 @ 1kHz)	I <sub>FP</sub>	100	mA
Continuous Forward Current	I <sub>F</sub>	40	mA
Reverse Voltage	V <sub>R</sub>	6	V
Operation Temperature	T <sub>opr</sub>	-25 °C ~ 85 °C	°C
Storage Temperature	T <sub>stg</sub>	-40 °C ~ 100 °C	°C
Soldering Temperature : 2.0mm from Body for 3 seconds at 260 °C			

### Electron-Optical Characteristics of Each Segment (Ta = 25 °C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I <sub>V</sub>		1,500		mcd	I <sub>F</sub> =20 mA
Forward Voltage	V <sub>F</sub>		3.5	4.0	V	I <sub>F</sub> =20 mA
Reverse Current	I <sub>R</sub>			50	μA	V <sub>R</sub> =5V
Dominant Wavelength	λ <sub>d</sub>		473		nm	I <sub>F</sub> =20 mA
Peak Emission Wavelength	λ <sub>p</sub>		470		nm	I <sub>F</sub> =20 mA
Spectral Line Half Width	Δλ		20		nm	I <sub>F</sub> =20 mA
Viewing Angle	2Θ <sub>1/2</sub>		20		deg	I <sub>F</sub> =20 mA

Note :

- 1) The luminous intensity data and λ<sub>p</sub> is survey values with the machine JF- II , JS-2000.
- 2) 2Θ<sub>1/2</sub> is the chip angle at which the luminous intensity half the axial luminous intensity.
- 3) Pay attention to electrostatic (ESD)

### Typical Characteristic Curves :

