



# PRODUCT SPECIFICATION

**Model No.: FYL-5019UEUGW1B-CC**

Descriptions:
<ul style="list-style-type: none"> <li>■ Dice material: AlGaInP/AlGaInP</li> <li>■ Emitting Color: Orange/Yellow Green</li> <li>■ Device Outline: Φ5mm round type.</li> <li>■ Lens Type: White diffused.</li> </ul>



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

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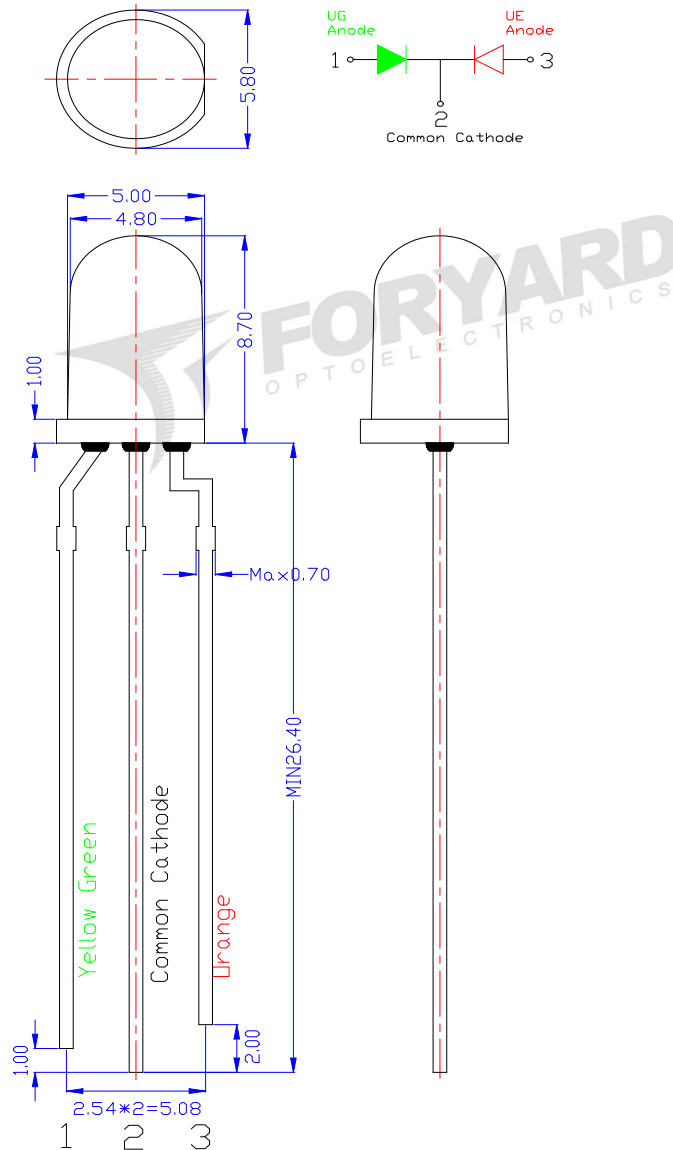
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**Model No.: FYL-5019UEUGW1B-CC**

■ ⑤ Features

- 1.Low power consumption.
- 2.High efficiency.
- 3.General purpose leads.
- 4.High intensity.
- 5.RoHs compliant.

■ Package configuration



Notes:

1. All dimensions are millimeters (inches)
2. Tolerance is  $\pm 0.25\text{mm} (.010\text{'})$  unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

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**Absolute Maximum Ratings(Ta=25° C)**

Items	Symbol	Absolute maximum Rating		Unit
		UE	UG	
Forward Current(DC)	IF	30	30	mA
Peak Forward Current*	IFP	100	100	mA
Power Dissipation	PD	75	75	mW
Operation Temperature	Topr	-40°C to +85°C		°C
Storage Temperature	Tstg	-40°C to +100°C		°C
Reverse Voltage	VR	5		V
Lead Soldering Temperature[4mm(.157") From Body]	Tsol	260°C for 5 Seconds		

**Typical Electrical & Optical Characteristics(Ta=25°C)**

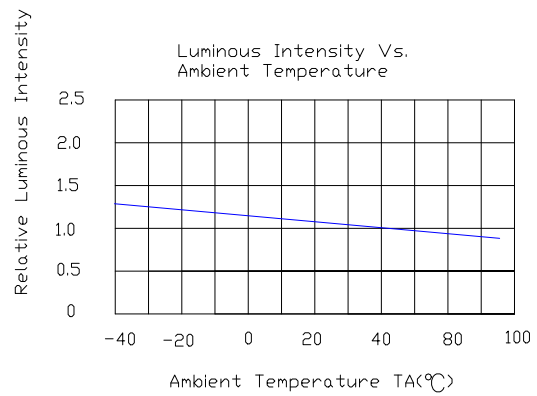
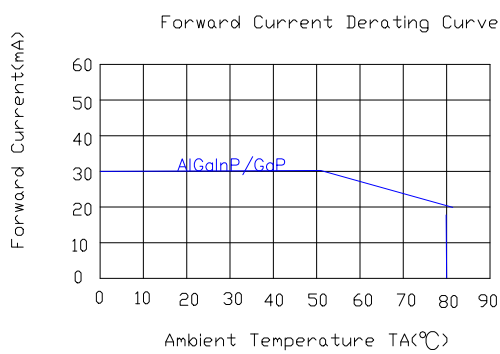
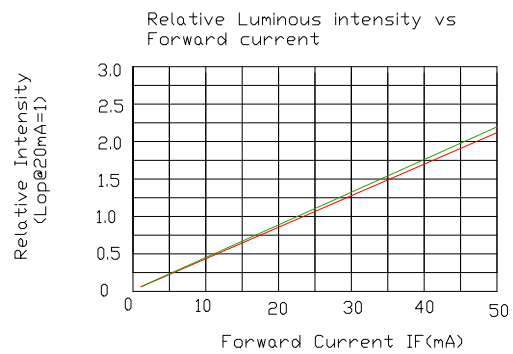
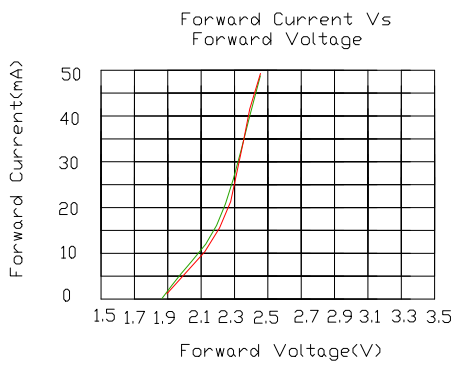
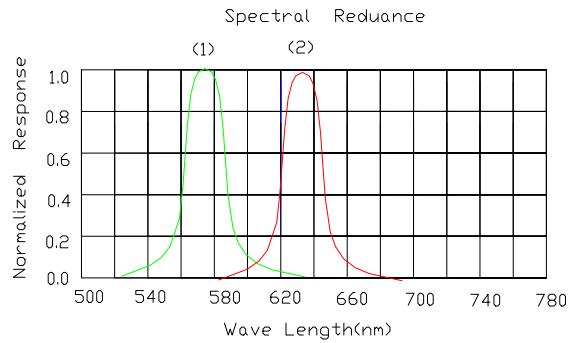
Items	Symbol	Condition	Min.	Typ	Max.	Unit	
Forward Voltage	VF	IF = 20mA	UE	1.7	2.00	2.50	V
			UG	1.7	2.10	2.50	
Peak Emission Wavelength	λp	IF = 20mA	UE	---	625	---	nm
			UG	---	570	---	
Reverse Current	IR	VR=5V	---	---	10.00	μA	
Dominant Wavelength	λD	IF = 20mA	UE	---	620	---	nm
			UG	---	570	---	
Luminous Intensity	IV	IF = 20mA	UE	---	250	---	mcd
			UG	---	90	---	
Viewing Angle	2θ½	IF = 20mA	---	60	---	Deg	

1.Luminous Intensity is based on the Foryard standards.

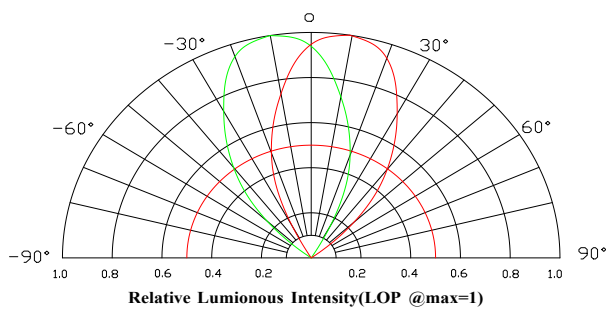
2.Pay attention about static for InGaN

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■ Typical Eletrical/Optical Characteristics Curves(Ta=25° C Unless Otherwise Noted)

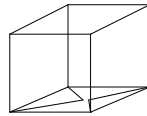
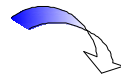
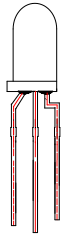


**Radiation pattern.**

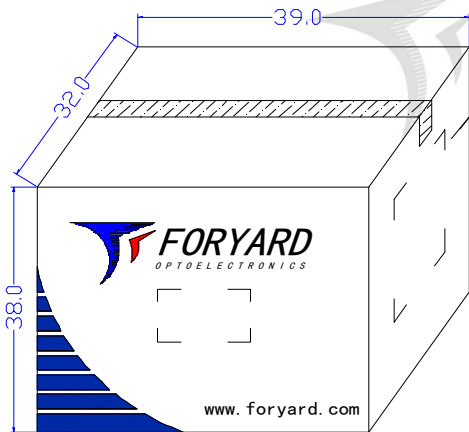


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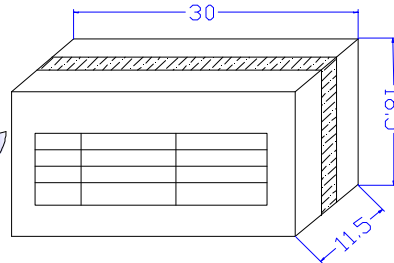
⑤ ■ LAMP PACKING.



5mm 500PCS/Polybag



OUTSIDE LABEL



5000PCS/ Box

30000PCS/ Carton



OUTSIDE LABEL

Note: The specifications are subject to change without notice. Please contact us for updated information.