



# PRODUCT SPECIFICATION

**Model No.: FYL-5019URUBC1B-CC**

Descriptions:
<ul style="list-style-type: none"> <li>■ Dice material: AlGaInP;InGaN.</li> <li>■ Emitting Color: Super Bright Red;Super Bright Blue.</li> <li>■ Device Outline: Φ5mm round type.</li> <li>■ Lens Type: Water clear.</li> </ul>



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

**NINGBO FORYARD OPTOELECTRONICS CO.,LTD.**

**Add:**No. 666 Jinghua Road, Hi-tech Park, Ningbo, Zhejiang, China

**Zip:**315103

**Tel:** 0086-574-87933652 87922206 87927870

**Fax:** 0086-574-87927917

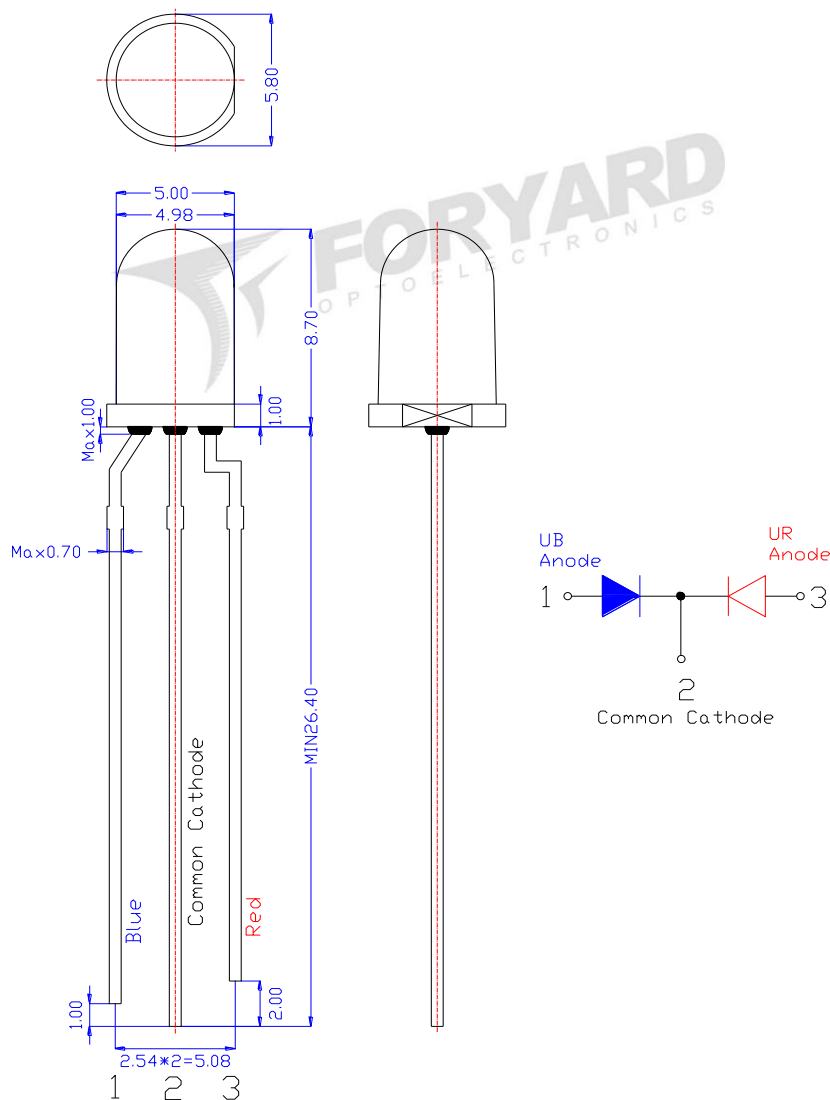
**E-mail:**Sales@foryard.com (General)

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**■ 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") unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.
- 4.The drawing is different from the actual one, please refer to the sample.

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■ Absolute Maximum Ratings(Ta=25°C)

Parameter	MAX.		Unit
	UR	UB	
Power Dissipation	75	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	100	mA
Continuous Forward Current	30	30	mA
Derating Linear From 50°C	0.4		mA/°C
Reverse Voltage	5		V
Operating Temperature Range	-40°C to +85°C		
Storage Temperature Range	-40°C to +100°C		
Lead Soldering Temperature[4mm(.157") From Body]	260°C for 5 Seconds		

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

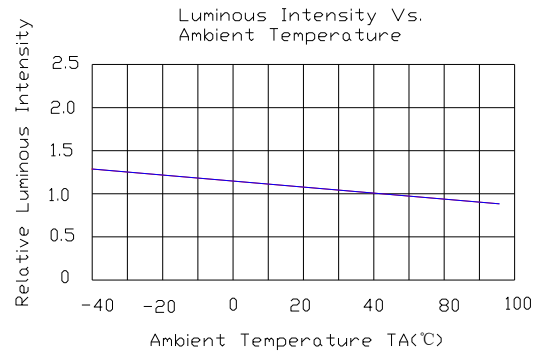
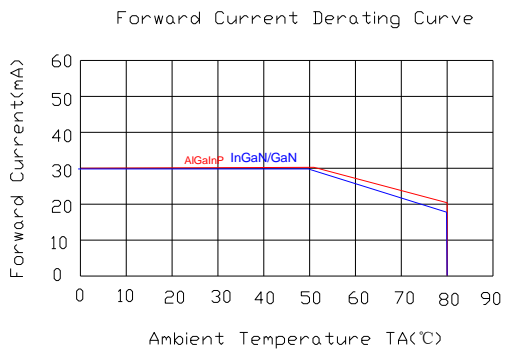
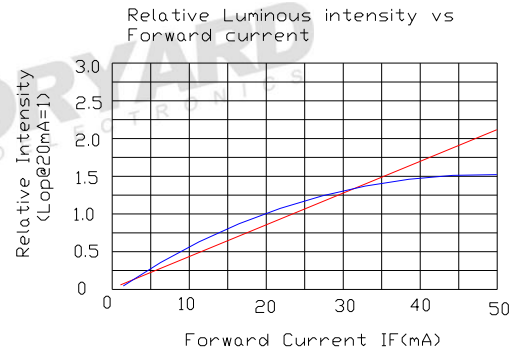
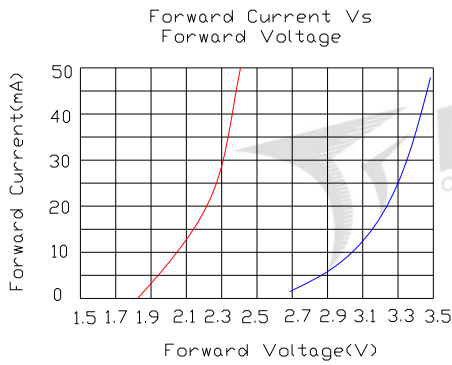
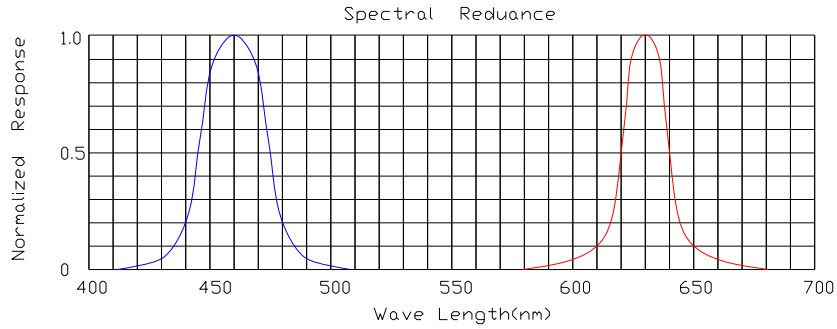
Parameter	Symbol	Colour	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	 I <sub>v</sub>	UR	700	1380	2300	mcd	IF=20mA
		UB	700	1380	2300		
Viewing Angle	2θ <sub>1/2</sub>	UR	---	30	---	Deg	
		UB	---	30	--		
Peak Emission Wavelength	λ <sub>p</sub>	UR	---	630	--	nm	
		UB	---	470	--		
Dominant Wavelength	λ <sub>d</sub>	UR	618	625	630	nm	
		UB	465	470	475		
Spectral Line Half-Width	λ	UR	---	30	--	nm	
		UB	---	30	--		
Forward Voltage	V <sub>F</sub>	UR	1.8	2.1	2.4	V	
		UB	2.6	3.1	3.4		
Reverse Current	I <sub>R</sub>		---	---	10	μA	VR=5V

Note:

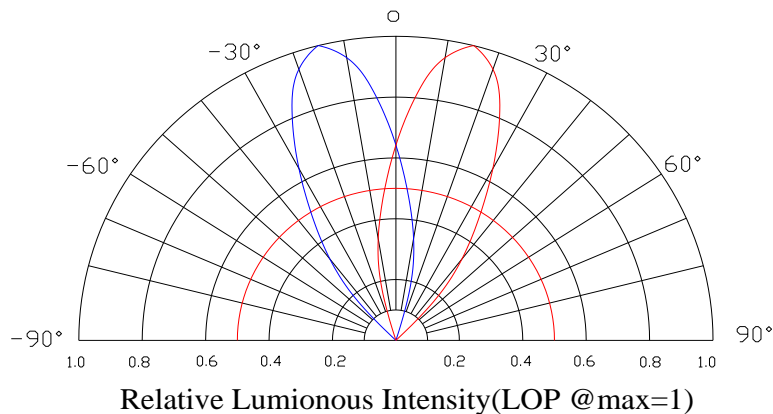
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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**Typical Electrical/Optical Characteristics Curves(Ta=25°C Unless Otherwise Noted)**

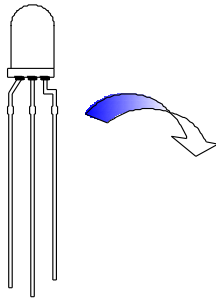


**Radiation pattern**

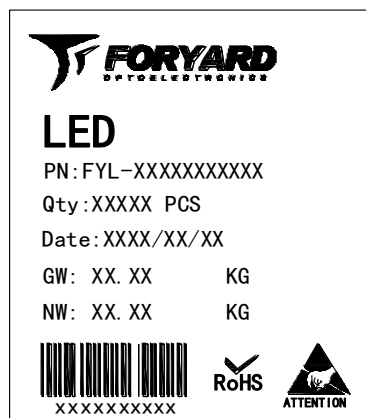
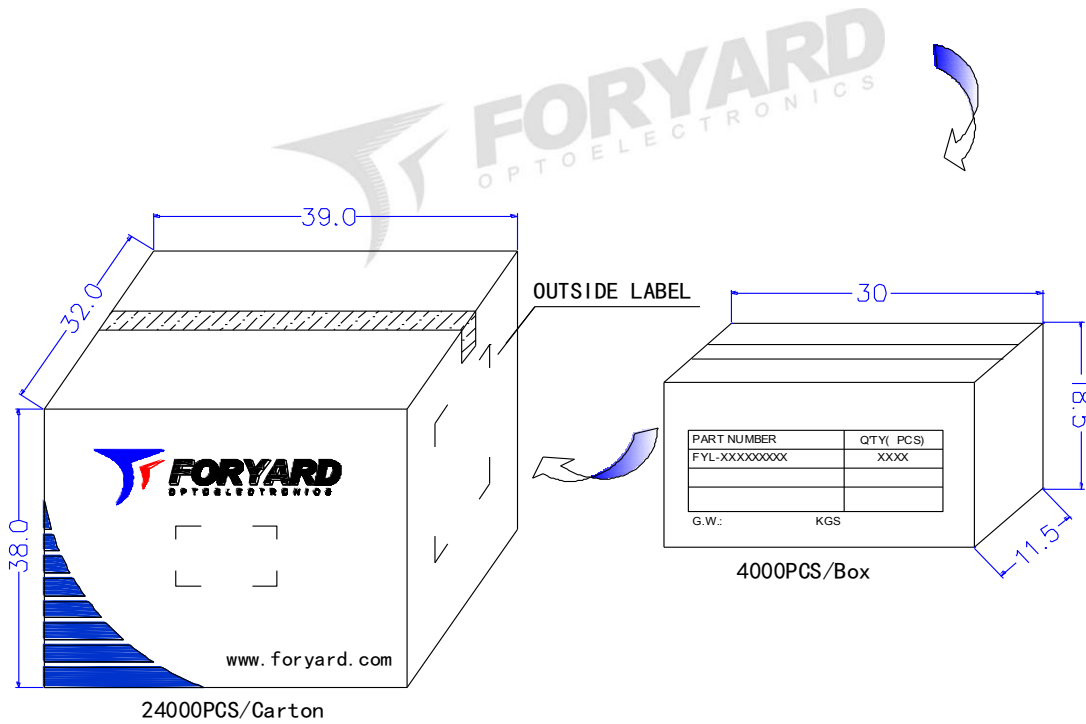


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**LAMP PACKING.**



5mm 500PCS/Polybag



OUTSIDE LABEL

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