

PRODUCT SPECIFICATION

Model No.: FYL-5013YD1C

Descriptions:

- Dice material: AlGaInP.
- Emitting Color: Yellow.
- Device Outline: $\Phi 5\text{mm}$ round type.
- Lens Type: Yellow Diffused.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY
		Foryard S020 2025.05.26	Foryard E001 2025.05.26

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

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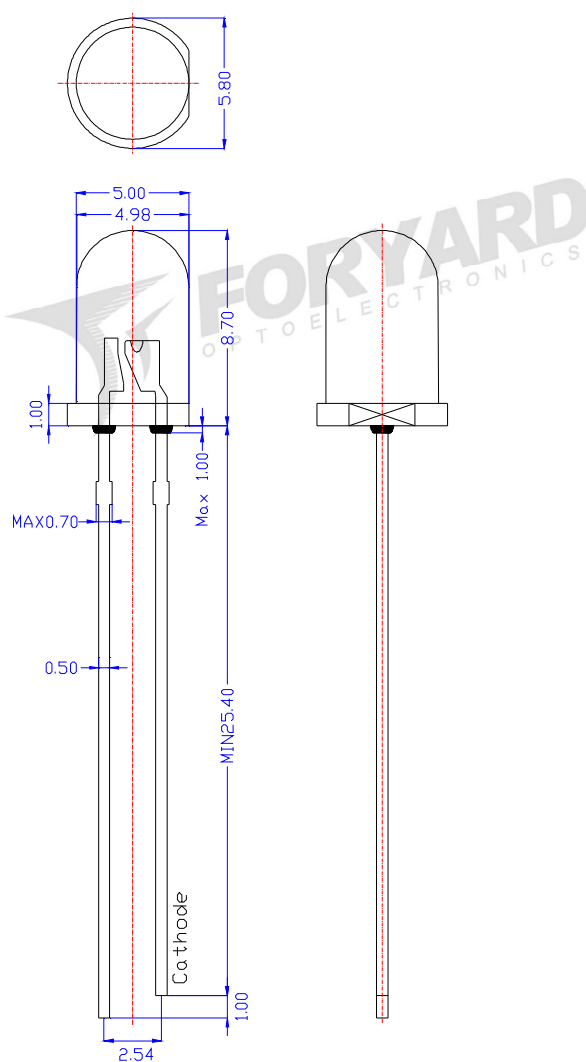
Fax: 0086-574-87927917

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

■ Features

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

■ Package configuration



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 Maximun Ratings(Ta=25°C)

Parameter	MAX.	Unit
Power Dissipation	80	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	150	mA
Continuous Forward Current	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 Charcteristics(Ta=25°C)

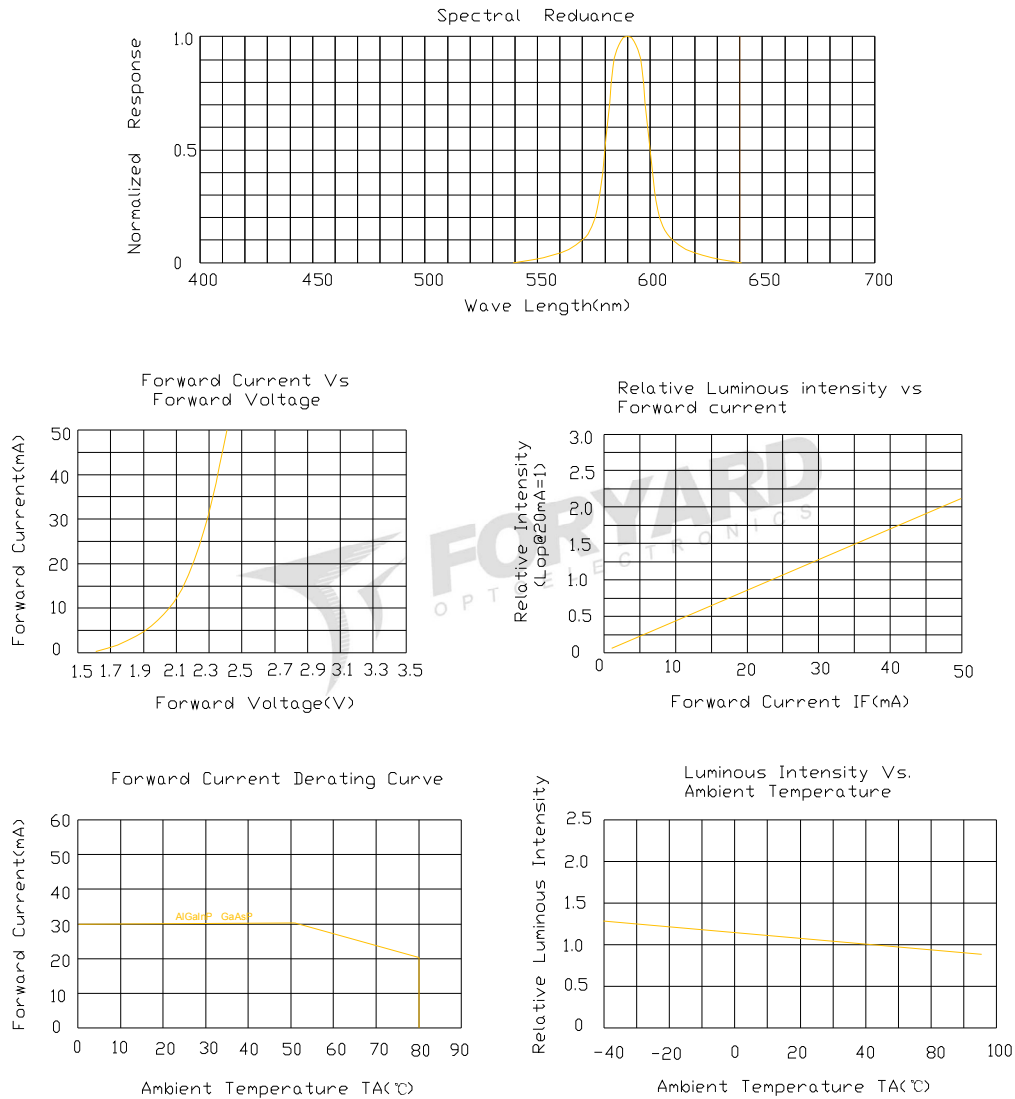
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	45	80	150	mcd	IF=20mA
Viewing Angle	$2\theta_{1/2}$	---	20	---	Deg	
Peak Emission Wavelength	λ_p	---	590	--	nm	
Dominant Wavelength	λ_d	585	590	595	nm	
Spectral Line Half-Width	$\Delta\lambda$	---	35	--	nm	
Forward Voltage	V_F	1.8	2.1	2.4	V	VR=5V
Reverse Current	I_R	---	---	10	μA	

Note:

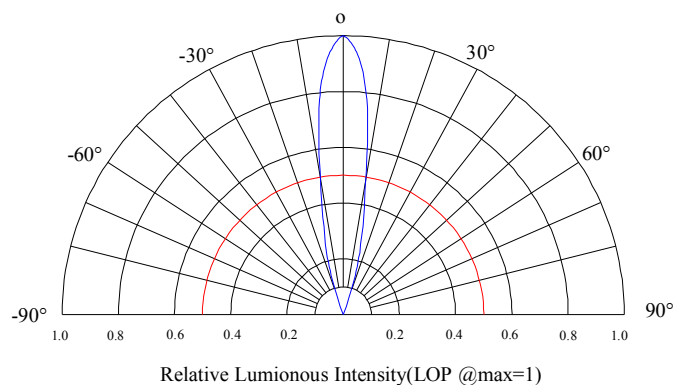
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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

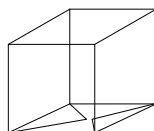
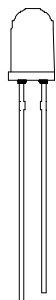


■ Radiation pattern

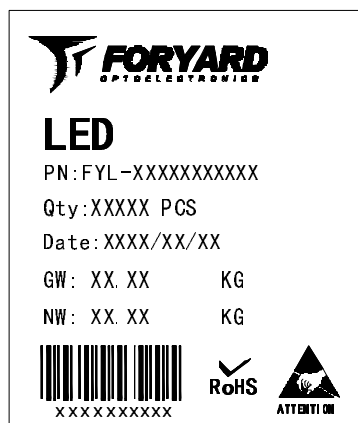
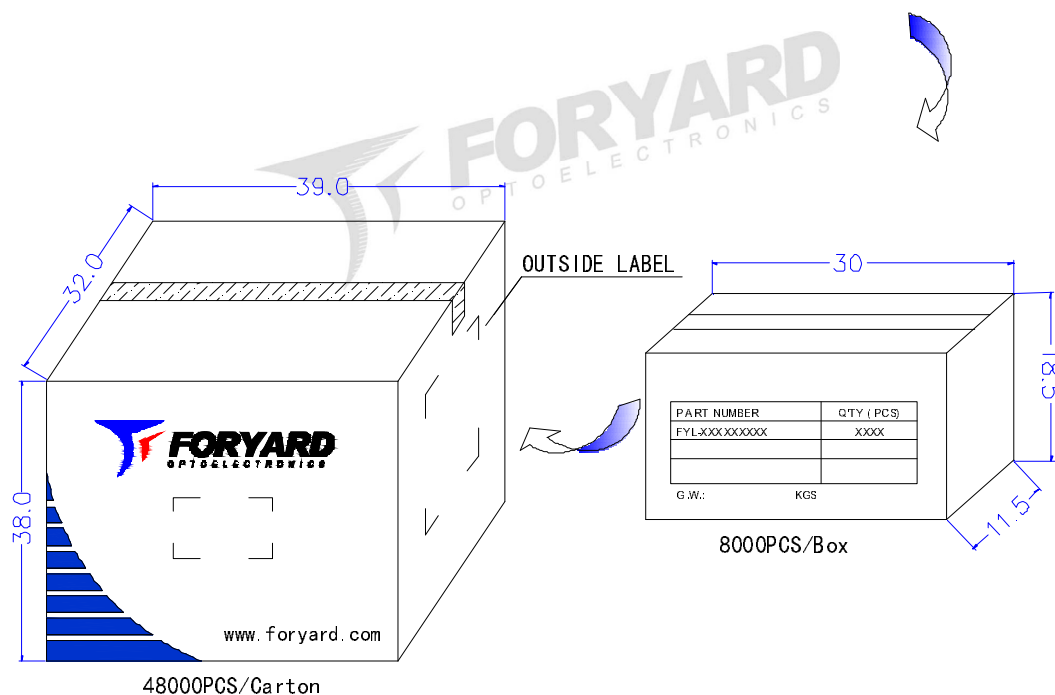


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■ LAMP PACKING.



5mm 100PCS/Polybag



OUTSIDE LABEL

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