

PRODUCT SPECIFICATION

Model No.: FYL-3019RGW1A-CC

Descriptions:

- Dice material: AlGaInP; AlGaInP.
- Emitting Color: Red, Yellow Green.
- Device Outline: $\Phi 3\text{mm}$ round type.
- Lens Type: White Diffused.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

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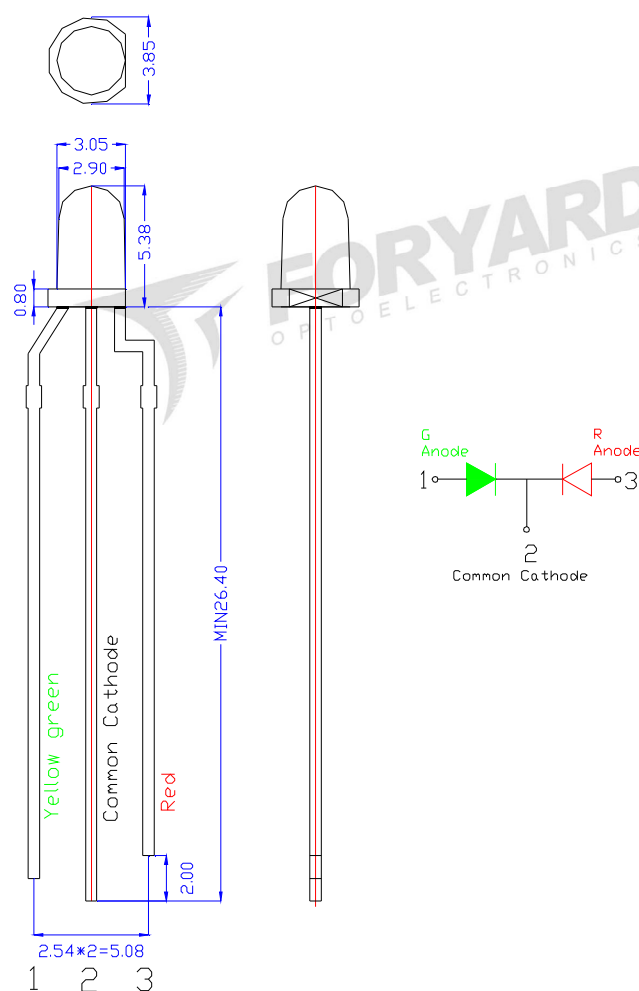
E-mail:Sales@foryard.com (General)

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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 Maximun Ratings(Ta=25°C)

Parameter	MAX.		Unit
	R	G	
Power Dissipation	75	75	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 Charcteristics(Ta=25°C)

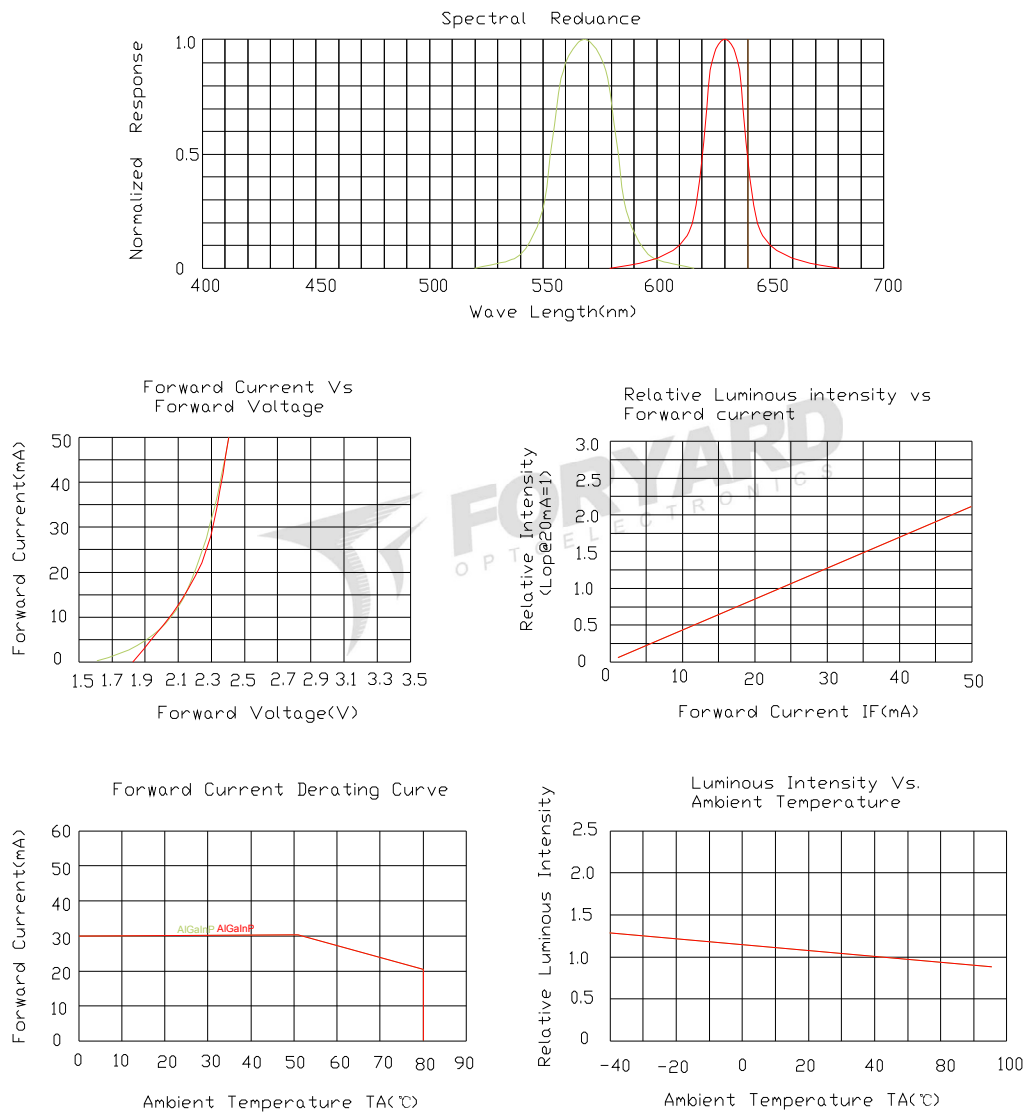
Parameter	Symbol	Colour	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	R	---	220	---	mcd	IF=20mA
		G	---	200	--		
Viewing Angle	$2\theta_{1/2}$	R	---	30	---	Deg	
		G	---	30	--		
Peak Emission Wavelength	λ_p	R	---	625	--	nm	
		G	---	570	--		
Dominant Wavelength	λ_d	R	618	622	627	nm	
		G	568	572	574		
Spectral Line Half-Width	$\Delta\lambda$	R	---	35	--	nm	
		G	---	10	--		
Forward Voltage	V_F	R	1.8	2.1	2.4	V	
		G	1.8	2.1	2.6		
Reverse Current	I_R		---	---	10	μA	VR=5V

Note:

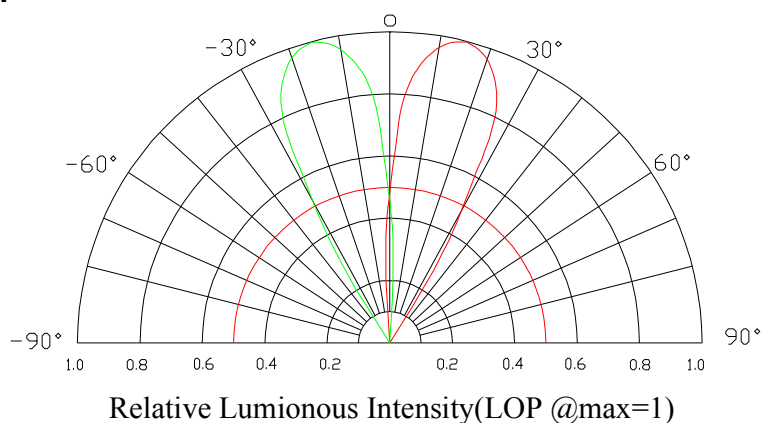
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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

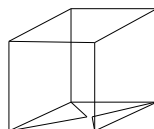
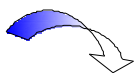
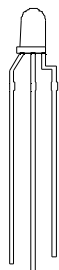


■ Radiation pattern

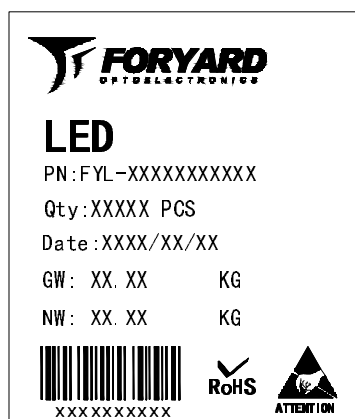
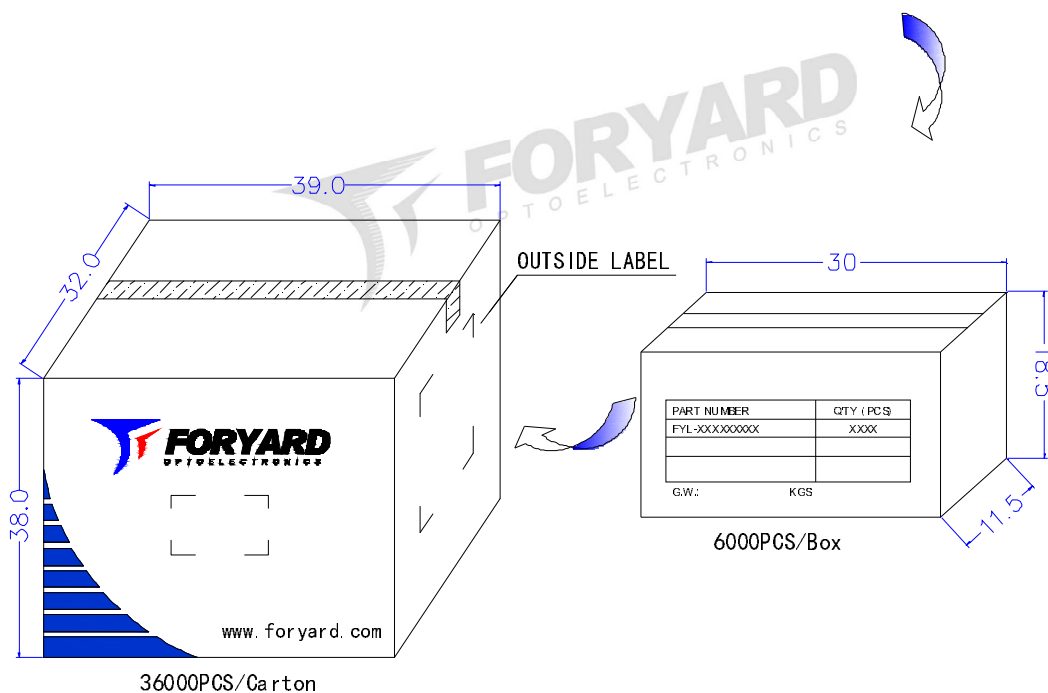


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■ LAMP PACKING.



3mm 500PCS/Polybag



OUTSIDE LABEL

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