



# PRODUCT SPECIFICATION

**Model No.: FYL-5019SUYUGW1C-CC**

Descriptions:
<ul style="list-style-type: none"> <li>■ Dice material: AlGaInP;AlGaInP.</li> <li>■ Emitting Color: Super Bright Yellow;Super Bright 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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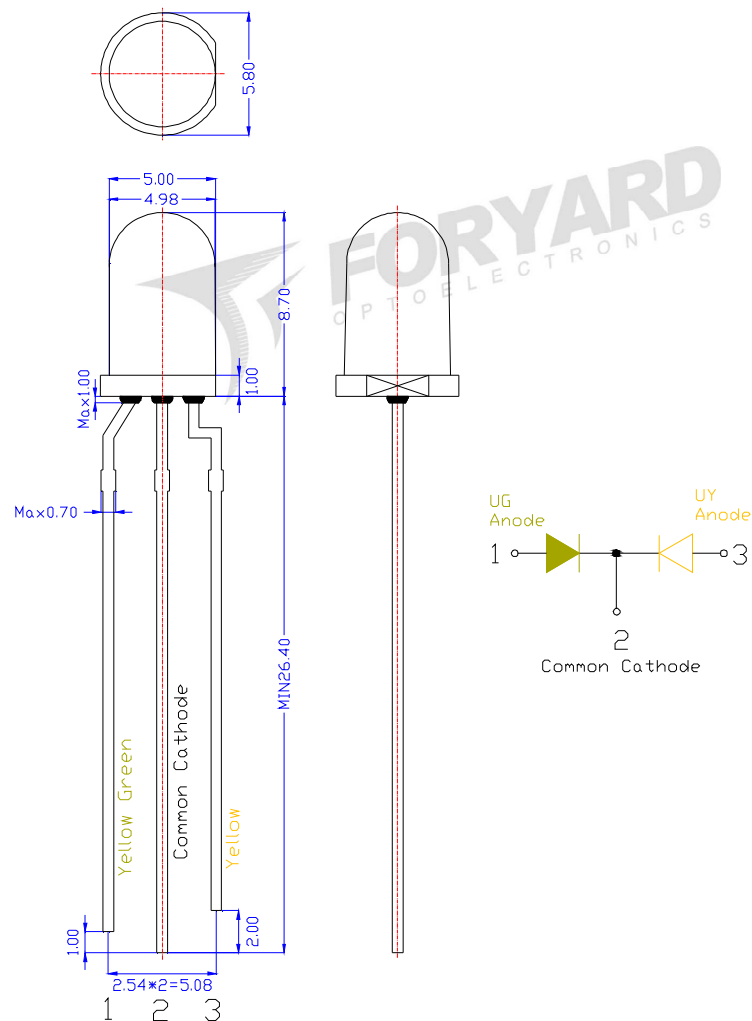
**E-mail:**Sales@foryard.com (General)

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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
	UY	UG	
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)

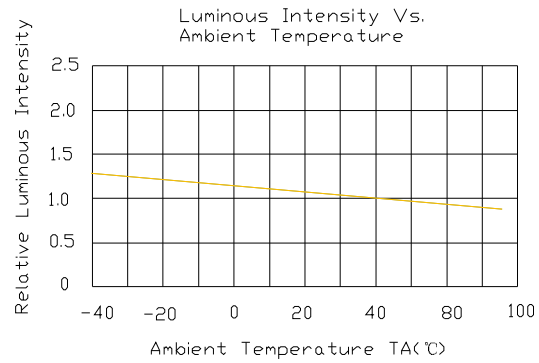
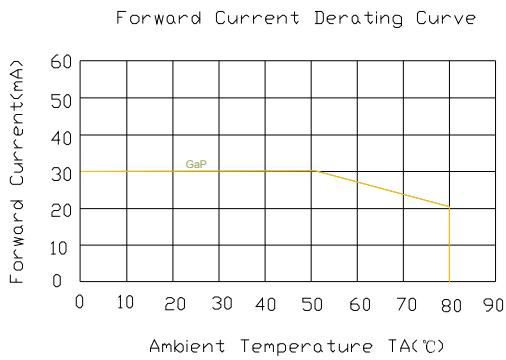
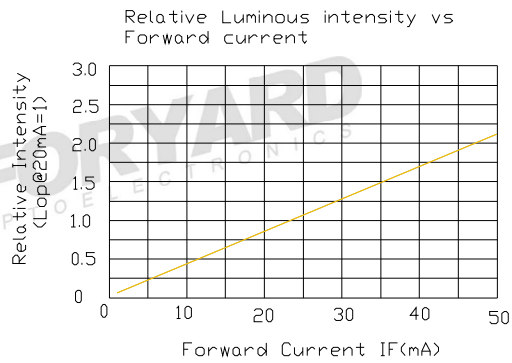
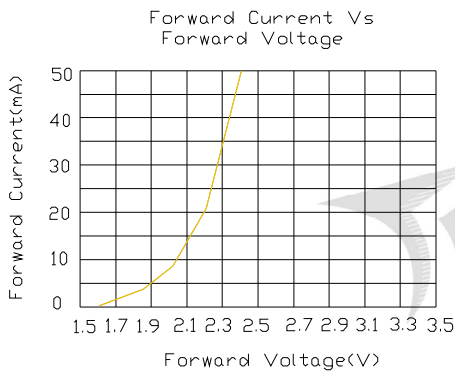
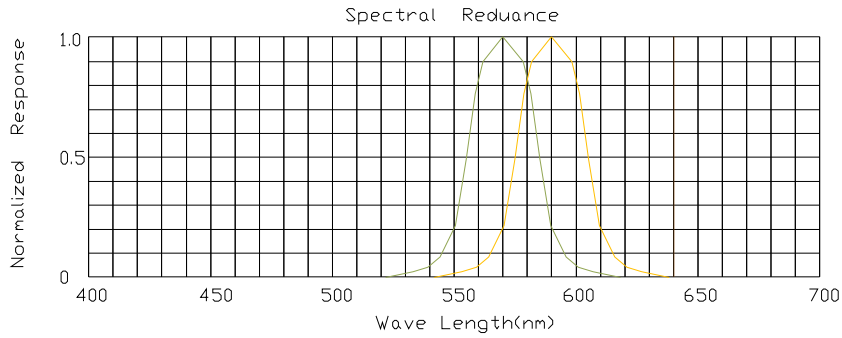
Parameter	Symbol	Colour	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$I_v$	UY	---	650	---	mcd	IF=20mA
		UG	---	200	--		
Viewing Angle	$2\theta_{1/2}$	UY	---	50	---	Deg	
		UG	---	50	--		
Peak Emission Wavelength	$\lambda_p$	UY	---	590	--	nm	
		UG	---	570	--		
Dominant Wavelength	$\lambda_d$	UY	588	--	594	nm	
		UG	568	--	576		
Spectral Line Half-Width	$\Delta\lambda$	UY	---	20	--	nm	
		UG	---	20	--		
Forward Voltage	$V_F$	UY	1.8	2.1	2.4	V	
		UG	1.8	2.1	2.4		
Reverse Current	$I_R$		---	---	10	$\mu A$	VR=5V

Note:

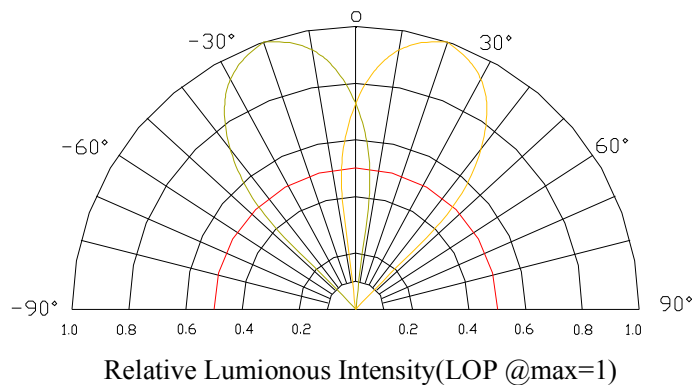
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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

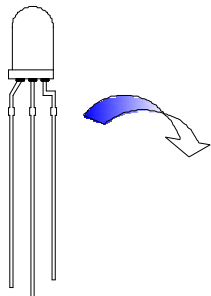


■ Radiation pattern

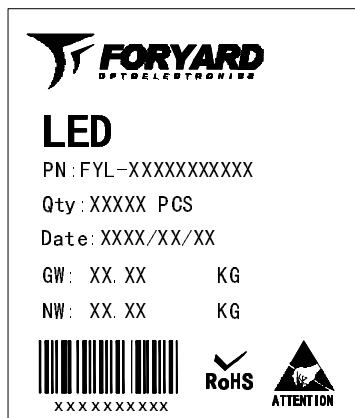
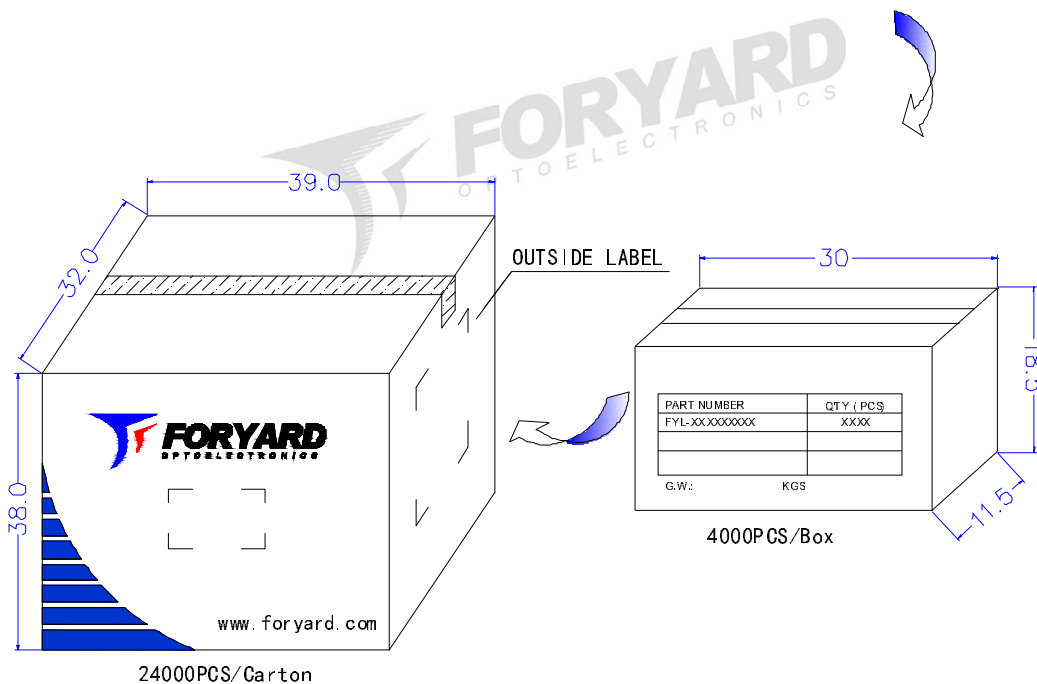


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**■ LAMP PACKING.**



5mm 500PCS/Polybag



OUTSIDE LABEL

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