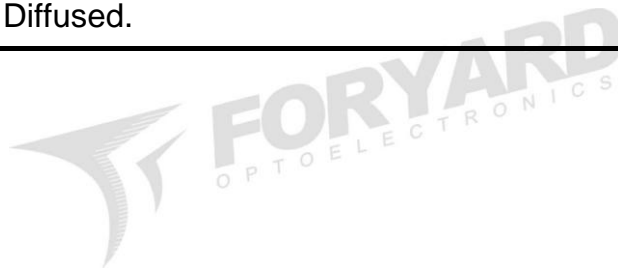


# PRODUCT SPECIFICATION

**Model No.: FYL-3019SGW1A-CA**

Descriptions:
<ul style="list-style-type: none"> <li>■ Dice material: AlGaAs; AlGaN/P.</li> <li>■ Emitting Color: Hi Red; Yellow Green.</li> <li>■ Device Outline: Φ3mm round type.</li> <li>■ Lens Type: White Diffused.</li> </ul>



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED 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

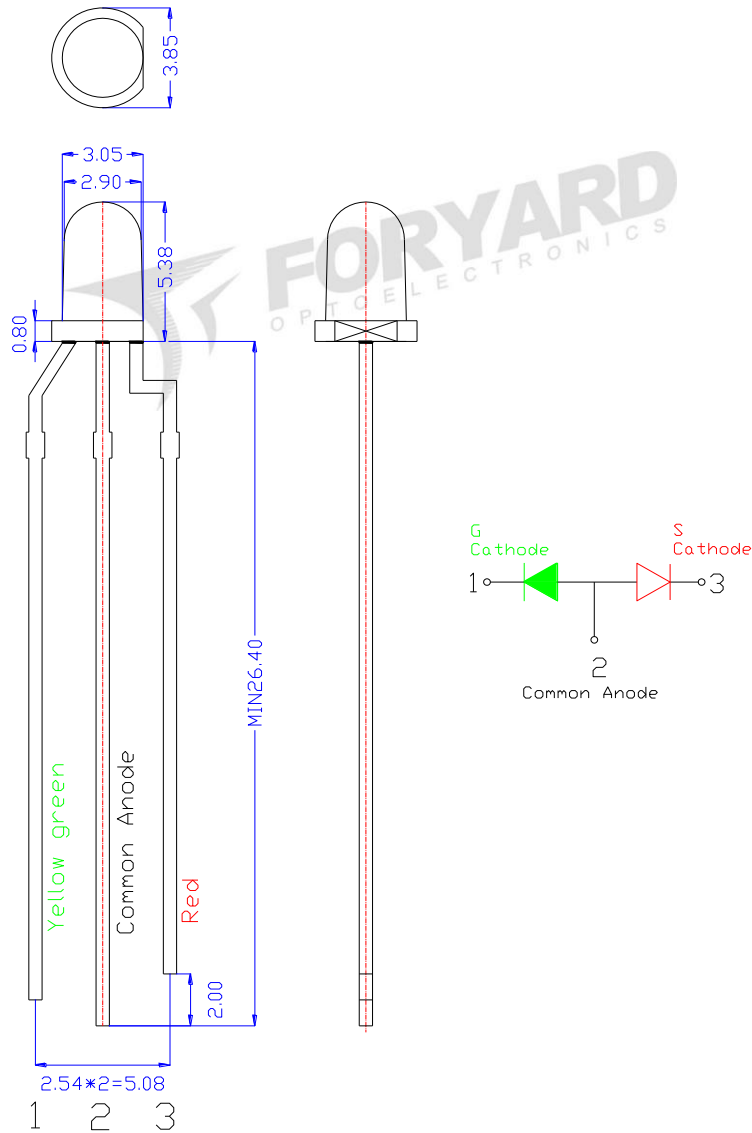
**E-mail:**Sales@foryard.com (General)

**Model No.: FYL-3019SGW1A-CA**

■ **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.
- 4.The drawing is different from the actual one, please refer to the sample.

Model No.: FYL-3019SGW1A-CA

### ■ Absolute Maximum Ratings(Ta=25°C)

Parameter	MAX.		Unit
	S	G	
Power Dissipation	60	75	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	150	100	mA
Continuous Forward Current	25	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)

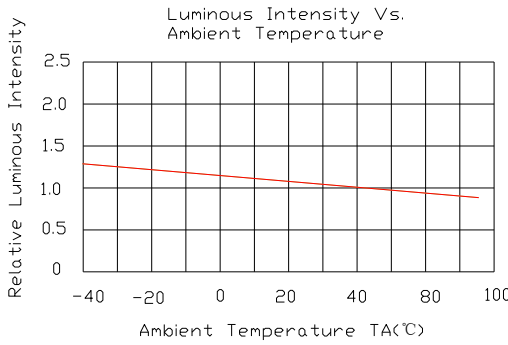
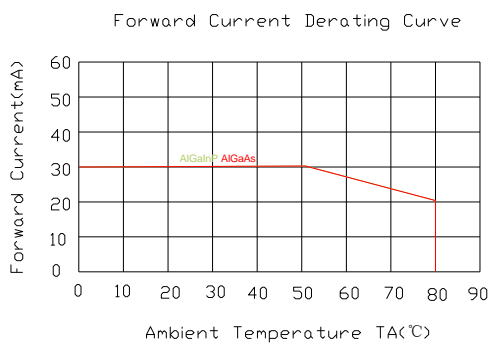
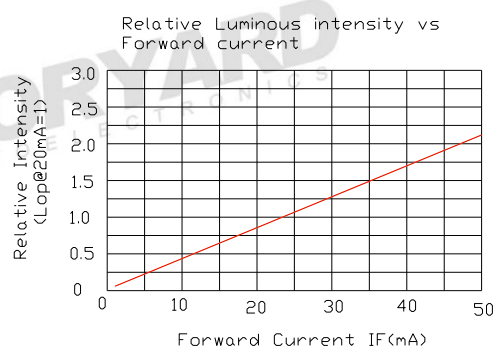
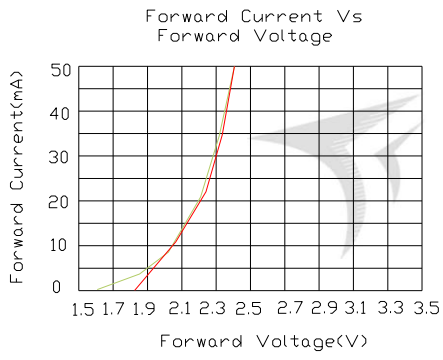
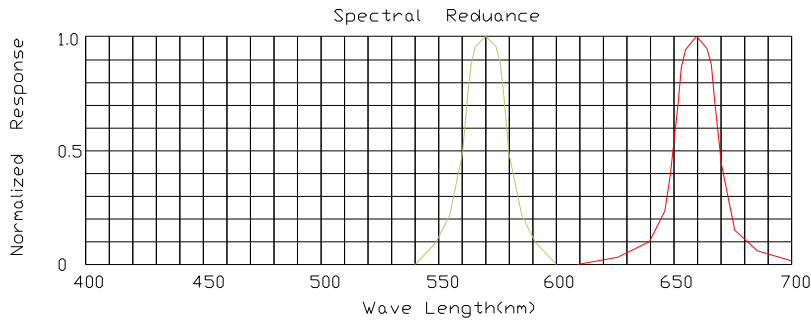
Parameter	Symbol	Colour	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$I_v$	S	20	45	100	mcd	IF=20mA
		G	20	45	100		
Viewing Angle	$2\theta_{1/2}$	S	---	40	---	Deg	
		G	---	40	--		
Peak Emission Wavelength	$\lambda_p$	S	---	660	--	nm	
		G	---	570	--		
Dominant Wavelength	$\lambda_d$	S	640	645	650	nm	
		G	568	572	574		
Spectral Line Half-Width	$\Delta\lambda$	S	---	20	--	nm	
		G	---	10	--		
Forward Voltage	$V_F$	S	1.8	2.1	2.4	V	
		G	1.8	2.1	2.6		
Reverse Current	$I_R$		---	---	10	$\mu A$	VR=5V

Note:

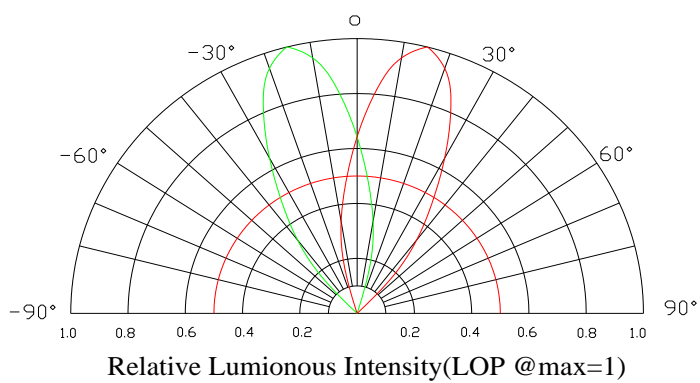
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

**Model No.: FYL-3019SGW1A-CA**

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



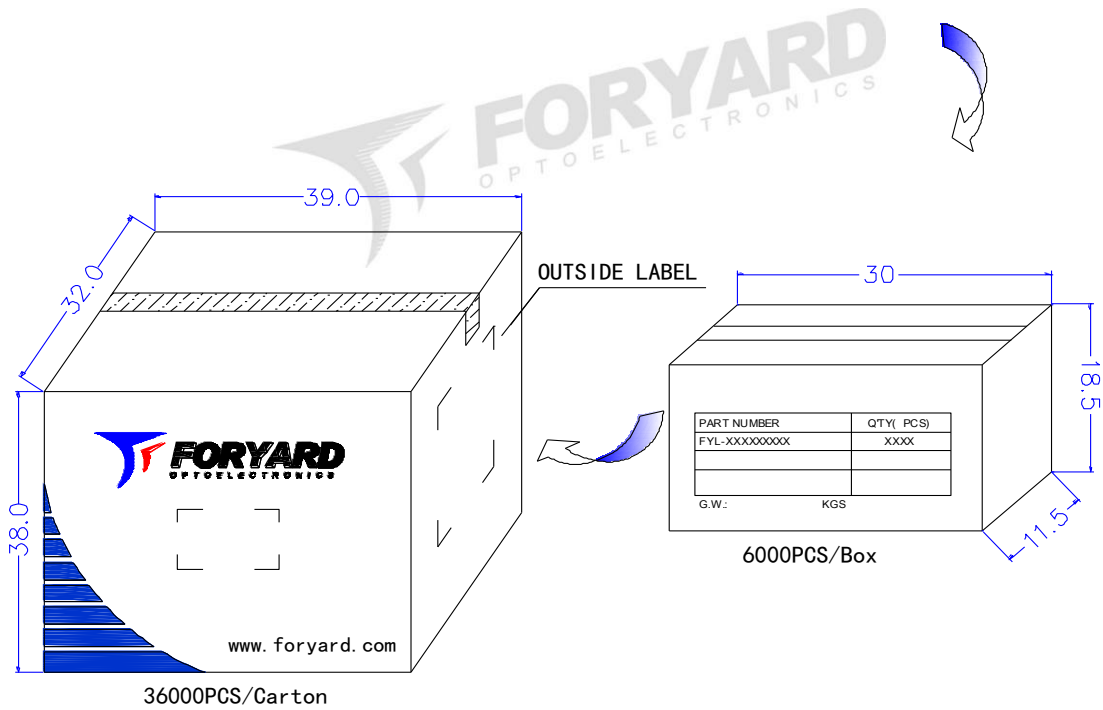
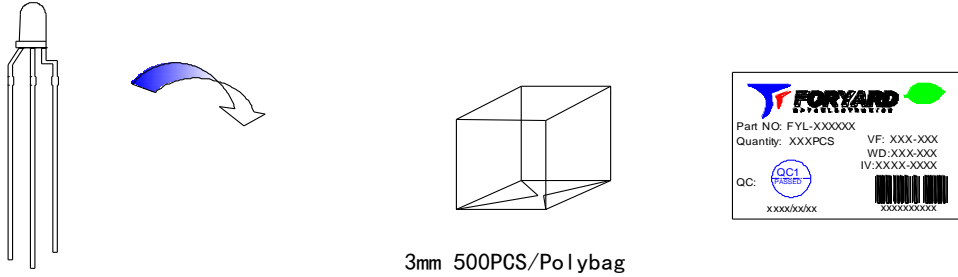

**Radiation pattern**




Model No.	FYL-3019SGW1A-CA
Date / Rev.	2020.04.13 / A

**Model No.: FYL-3019SGW1A-CA**


**LAMP PACKING.**

**LED**  
 PN: FYL-XXXXXXXXXX  
 Qty: XXXXX PCS  
 Date: XXXX/XX/XX  
 GW: XX.XX KG  
 NW: XX.XX KG



XXXXXXXXXX



OUTSIDE LABEL

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