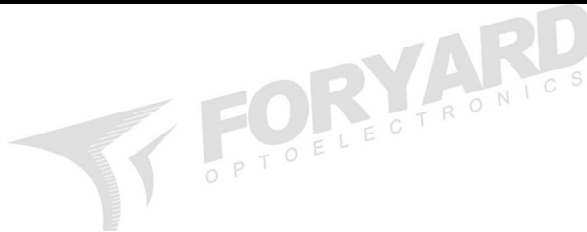


# PRODUCT SPECIFICATION

**Model No.: FYL-3014PUYC1A**

Descriptions:
<ul style="list-style-type: none"> <li>■ Dice material: AlGaInP.</li> <li>■ Emitting Color: Super Bright Yellow.</li> <li>■ Device Outline: Φ3mm round type.</li> <li>■ Lens Type: Water clear.</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-3014PUYC1A**

**■ Absolute Maximun Ratings(Ta=25°C)**

Parameter	MAX.	Unit
Power Dissipation	75	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	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	$I_V$	4750	7500	10800	mcd	IF=20mA
Viewing Angle	$2\theta_{1/2}$	---	15	---	Deg	
Peak Emission Wavelength	$\lambda_p$	---	590	--	nm	
Dominant Wavelength	$\lambda_d$	586	590	594	nm	
Spectral Line Half-Width	$\Delta\lambda$	---	20	--	nm	
Forward Voltage	$V_F$	1.8	2.1	2.4	V	VR=5V
Reverse Current	$I_R$	---	---	10	$\mu A$	

Note:

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

**■ Luminous Intensity Guide (Unit: mcd) @IF=20mA**

Code	N22	N23	N24	N25
Luminous Intensity(mcd)	4750~6000	6000~7500	7500~9000	9000~10800

Tolerance of measurement of luminous intensity is  $\pm 15\%$

**■ Dominate Wavelength Guide (Unit: nm) @IF=20mA**

Code	Y3	Y4	Y5	Y6
Dominate Wavelength(nm)	586~588	588~590	590~592	592~594

Tolerance for each Dominate Wavelength bin is  $\pm 1nm$

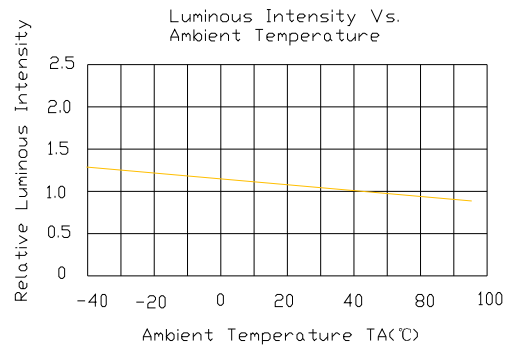
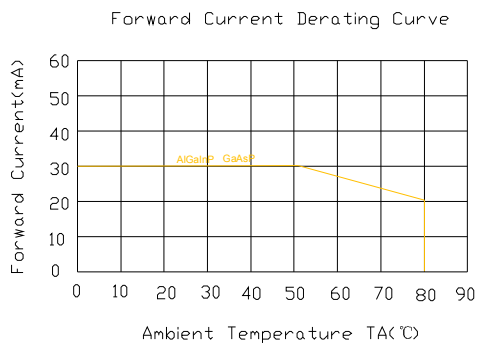
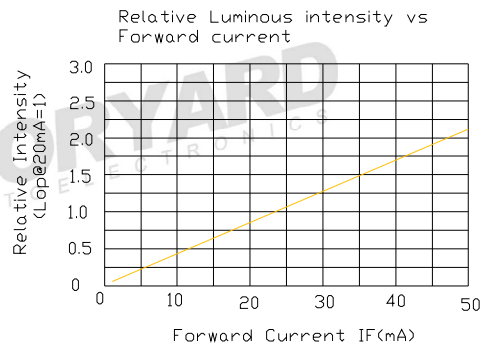
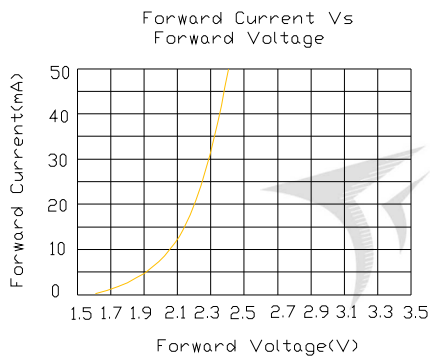
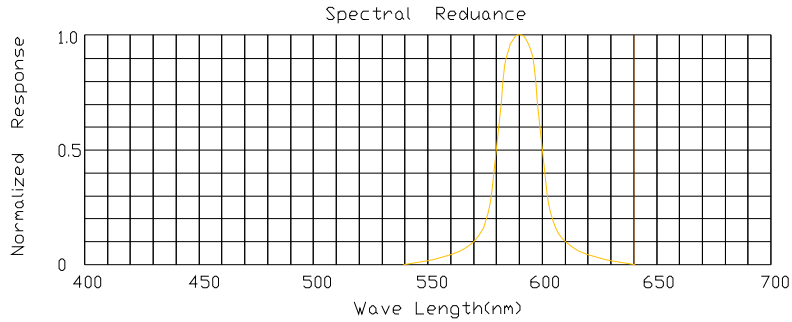
**■ Forward Voltage Guide (Unit: V) @IF=20mA**

Code	V2a	V2b	V3a	V3b	V4a	V4b
Forward Voltage(V)	1.8~1.9	1.9~2.0	2.0~2.1	2.1~2.2	2.2~2.3	2.3~2.4

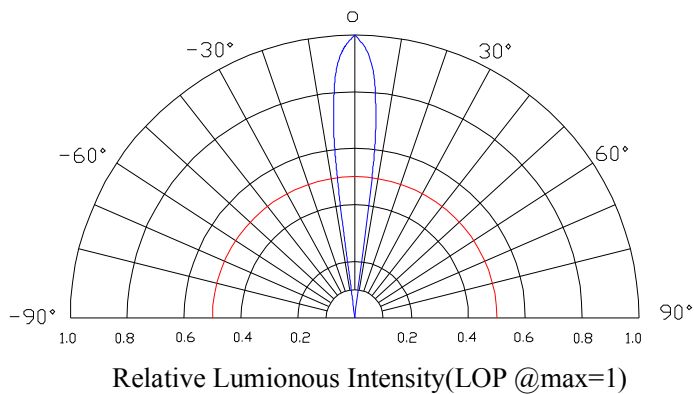
Tolerance of measurement of forward voltage is  $\pm 0.1V$

**Model No.: FYL-3014PUYC1A**

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

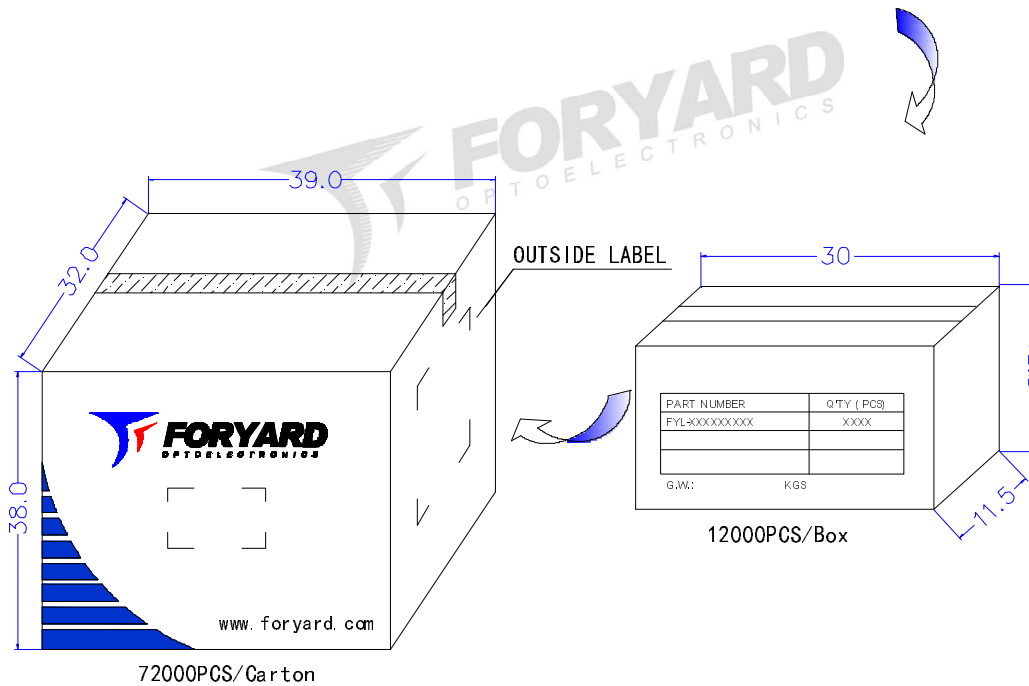
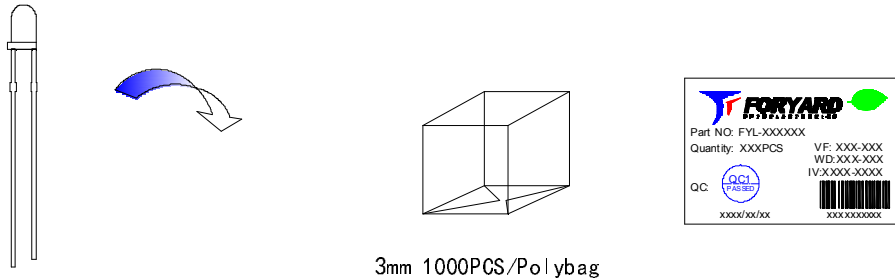



**Radiation pattern**



**Model No.: FYL-3014PUYC1A**

**■ 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.