

# PRODUCT SPECIFICATION

**Model No.: FYL-4354PUAC1A-S2**

Descriptions:
<ul style="list-style-type: none"> <li>■ Dice material: AlGaInP.</li> <li>■ Emitting Color: Super Bright Amber.</li> <li>■ Device Outline: <math>\Phi 4*3</math>mm ellipse type.</li> <li>■ Lens Type: Water clear.</li> </ul>



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition	
Luminous Intensity	$I_V$	700	1380	2300	mcd	IF=20mA	
Viewing Angle	$2\theta_{1/2}$	X	---	110	---		Deg
		Y	---	65	---		
Peak Emission Wavelength	$\lambda_p$	---	610	--	nm		
Dominant Wavelength	$\lambda_d$	597	603	609	nm		
Spectral Line Half-Width	$\Delta\lambda$	---	20	--	nm		
Forward Voltage	$V_F$	1.8	2.1	2.4	V		
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

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

Code	N15	N16	N17	N18
Luminous Intensity(mcd)	700~1000	1000~1380	1380~1800	1800~2300

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

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

Code	A1	A2	A3	A4
Dominate Wavelength(nm)	597~600	600~603	603~606	606~609

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

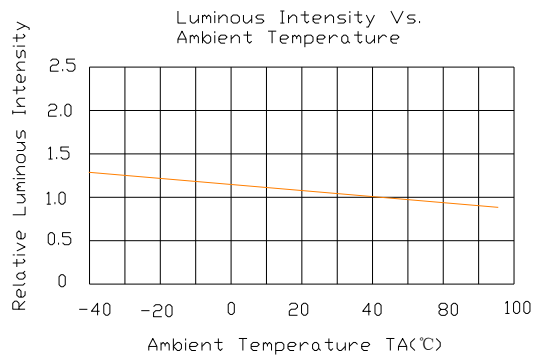
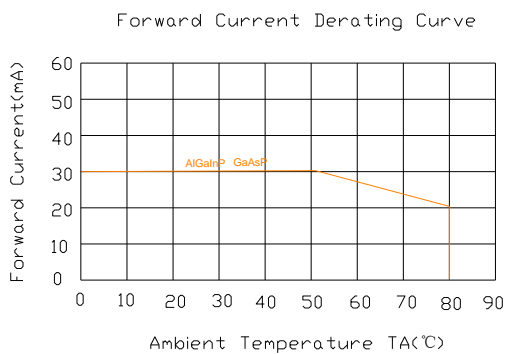
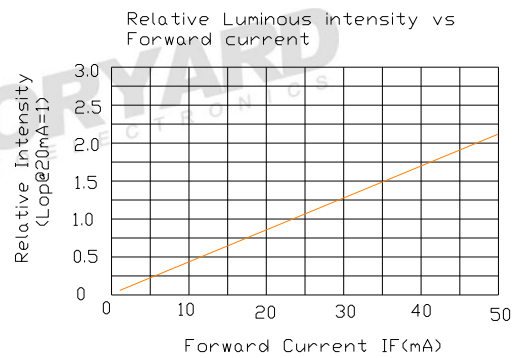
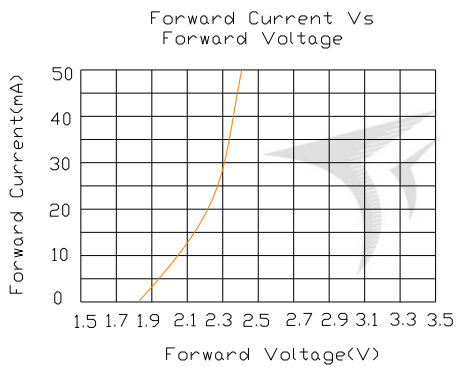
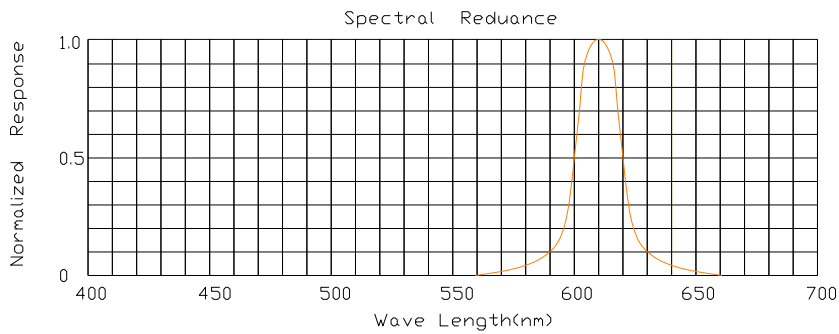
#### ■ Forward Voltage Guide (Unit: V) @IF=20mA

Code	V2	V3a	V3b	V4
Forward Voltage(V)	1.8~2.0	2.0~2.1	2.1~2.2	2.2~2.4

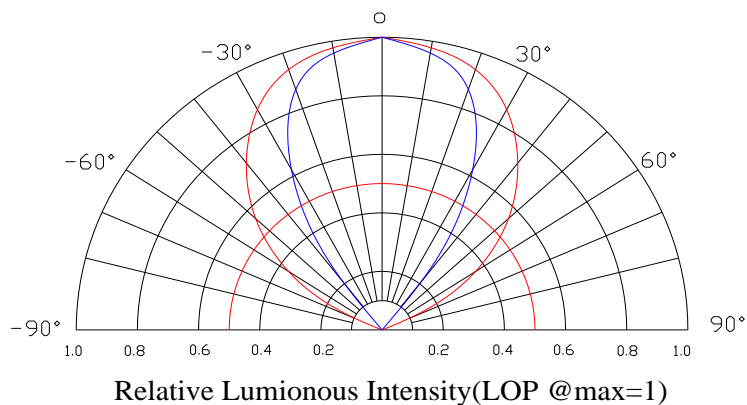
Tolerance of measurement of forward voltage is  $\pm 0.1V$

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

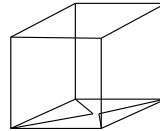
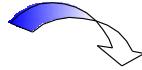


**Radiation pattern**

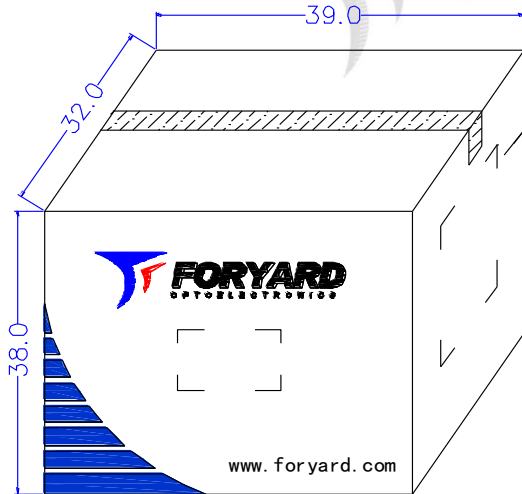


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**■ LAMP PACKING.**

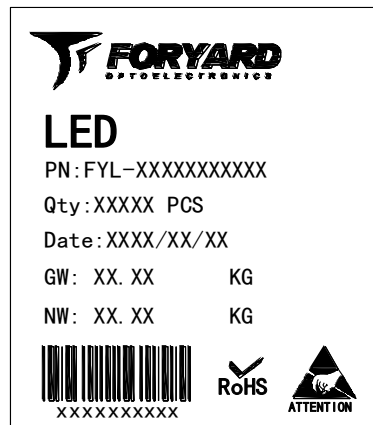
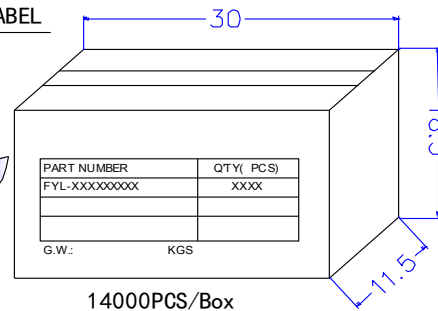


4\*3mm 1000PCS/Polybag



84000PCS/Carton

OUTSIDE LABEL



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