

# PRODUCT SPECIFICATION

**Model No.: FYL-1804UWC1A-UWW**

Descriptions:
<ul style="list-style-type: none"> <li>■ Dice material: InGaN.</li> <li>■ Emitting Color: Super Bright Warm white.</li> <li>■ Device Outline: <math>\Phi</math>1.8mm nipple type.</li> <li>■ Lens Type: Water clear.</li> </ul>



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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■ Absolute Maximun Ratings(Ta=25°C)

Parameter	MAX.	Unit
Power Dissipation	100	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)

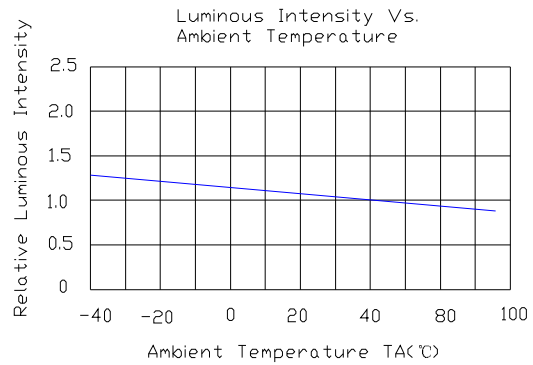
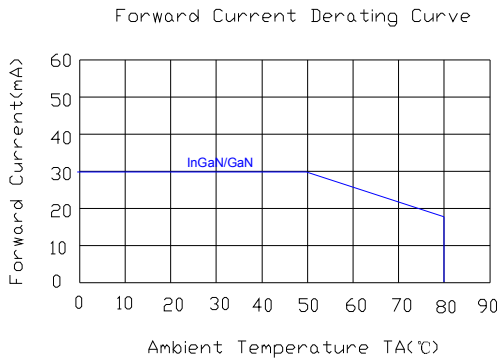
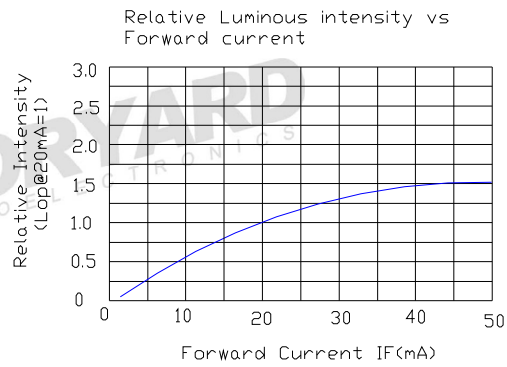
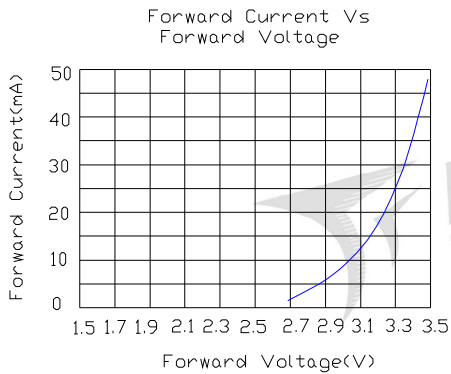
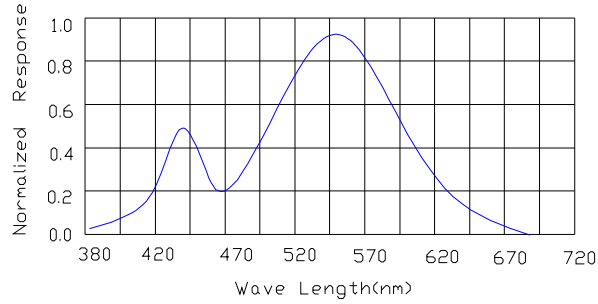
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I <sub>v</sub>	2200	4000	6000	mcd	IF=20mA
Viewing Angle	2θ <sub>1/2</sub>	---	65°	---	Deg	
Color temperature	CCT	3000	3500	4000	K	
Chromaticity coordinates	X	0.465	0.42	0.38	---	
	Y	0.465	0.415	0.38		
Forward Voltage	V <sub>F</sub>	2.6	3	3.4	V	VR=5V
Reverse Current	I <sub>R</sub>	---	---	10	μA	

Note:

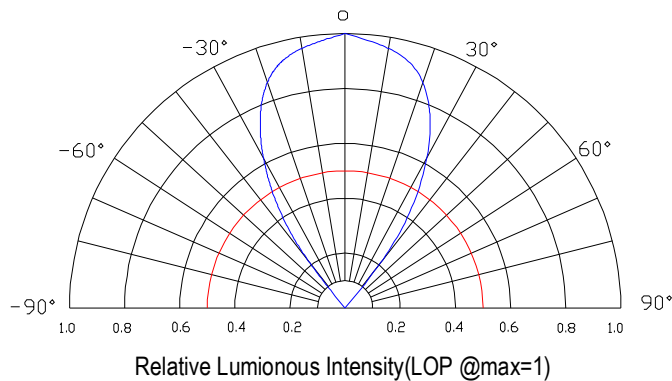
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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

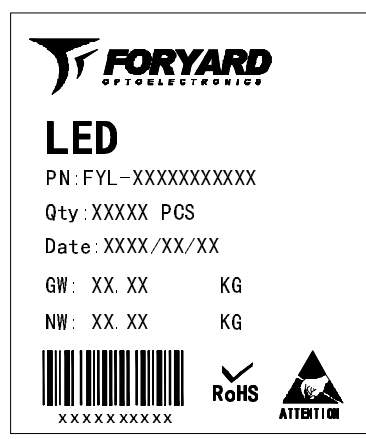
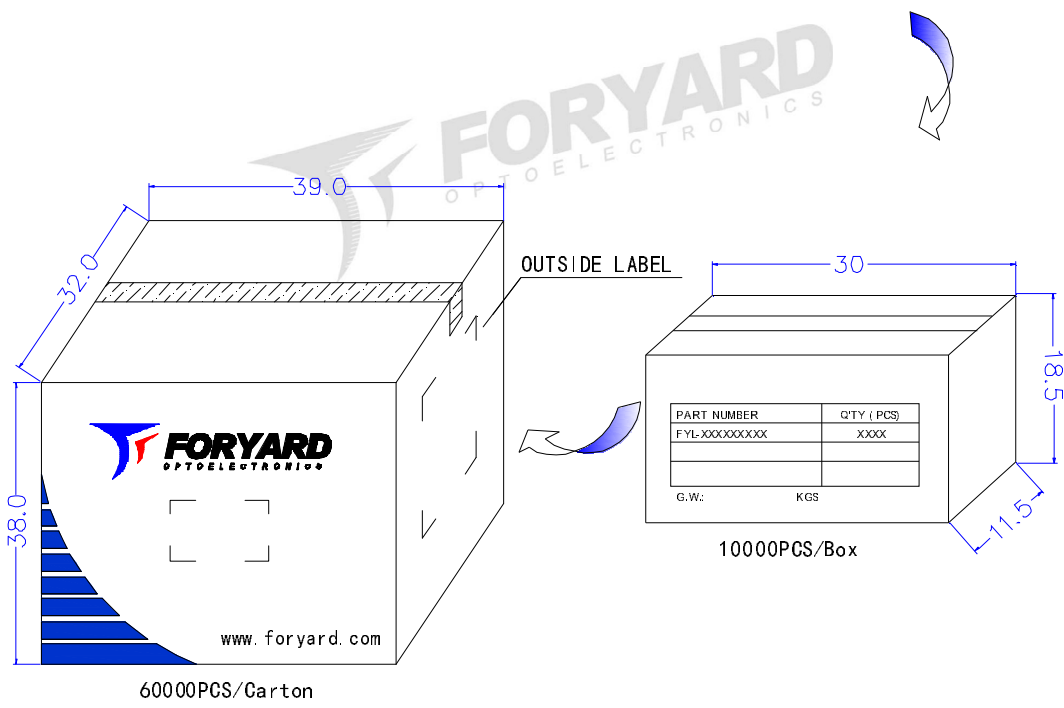
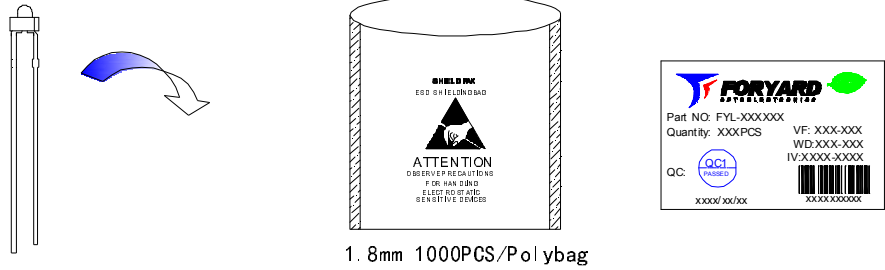


■ Radiation pattern



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**■ LAMP PACKING.**



OUTSIDE LABEL

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