

## PRODUCT SPECIFICATION

**Model No.: FYL-3014UWC1A-ULW**

Descriptions:
■ Dice material: InGaN.
■ Emitting Color: Super Bright Cold White.
■ Device Outline: Φ3mm Round Type.
■ Lens Type: Water clear.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

**NINGBO FORYARD OPTOELECTRONICS CO.,LTD.**

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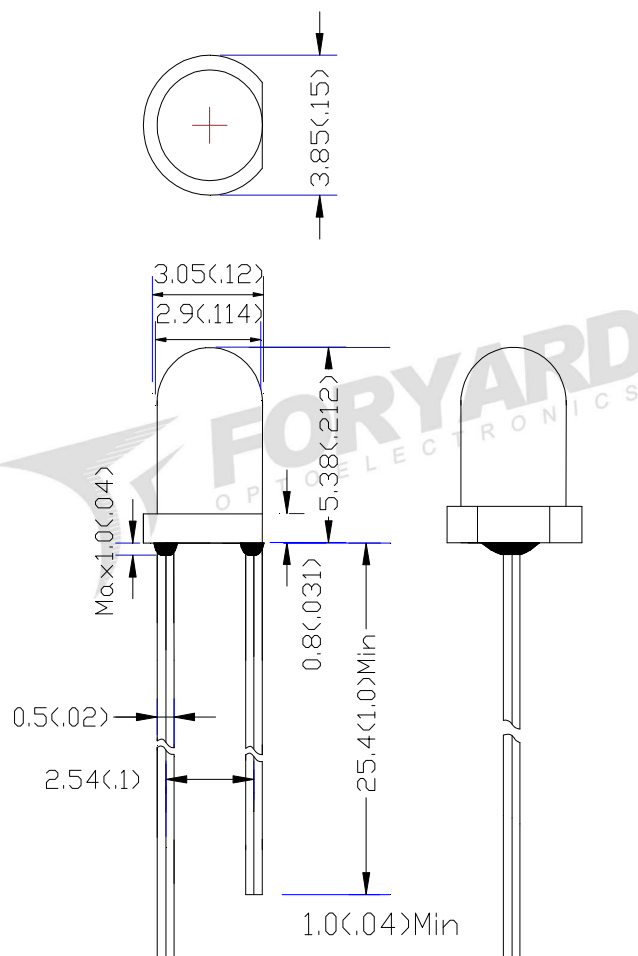
**Zip:** 315051

[Http://www.foryard.com](http://www.foryard.com)

## ■ 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  $\pm 0.25\text{mm}$  (0.010") unless otherwise noted.
3. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

■ Absolute maximum ratings( $T_a=25\text{ }^{\circ}\text{C}$ )

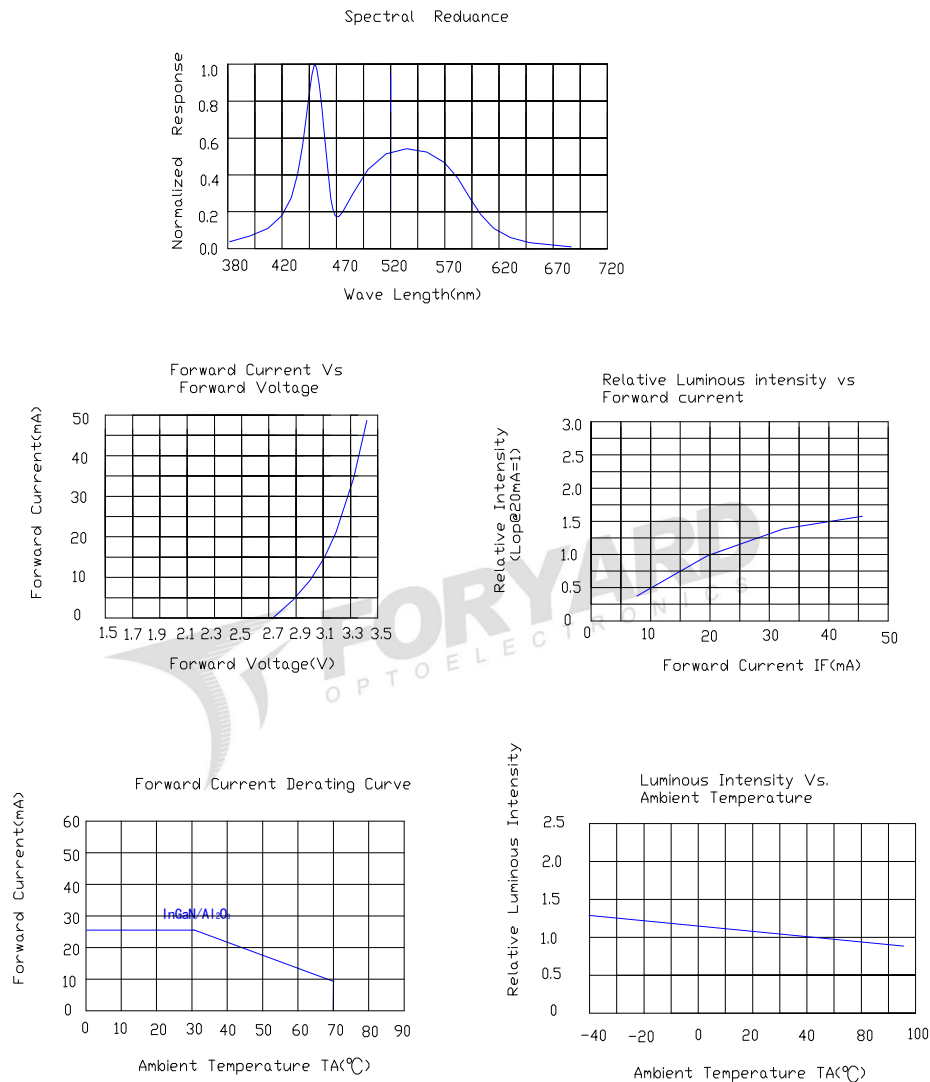
Parameter	MAX.	Unit
Power Dissipation	90	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	25	mA
Derating Linear From $50^{\circ}\text{C}$	0.4	mA/ $^{\circ}\text{C}$
Reverse Voltage	5	V
Operating Temperature Range	$-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$	
Storage Temperature Range	$-40^{\circ}\text{C}$ to $+100^{\circ}\text{C}$	
Lead Soldering Temperature[4mm(.157") From Body]	260 $^{\circ}\text{C}$ for 5 Seconds	

■ Electrical and optical characteristics( $T_a=25\text{ }^{\circ}\text{C}$ )

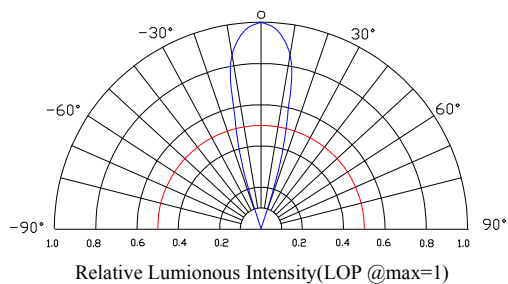
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$I_v$	8000	12000	15000	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	25	30	35	Deg	
Chromaticity coordinates	X	–	0.25			
	Y		0.26			
Color temperature	CCT	–	15000	–	K	
Forward Voltage	$V_F$	2.8	3.2	3.6	V	$V_R=5\text{V}$
Reverse Current	$I_R$			10	$\mu\text{A}$	

## ■ Typical Electrical Characteristics Curves

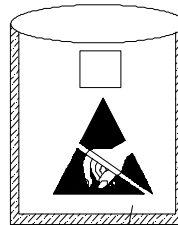
(25 °c Ambient Temperature Unless Otherwise Noted)



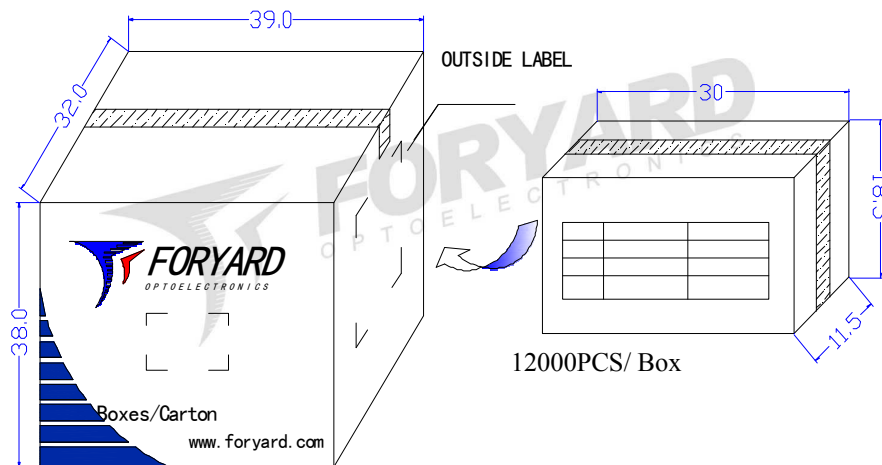
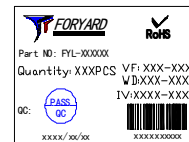
## Radiation pattern.



## ■ LAMP PACKING.



3mm 1000PCS/Polybag



72000PCS/ Carton



OUTSIDE LABEL