



Model No.	FYL-5014UWW1C30-6500K
Date / Rev.	2020.02.20 / A

PRODUCT SPECIFICATION

Model No.: FYL-5014UWW1C30-6500K

Descriptions:
<ul style="list-style-type: none"> ■ Dice material: InGaN. ■ Emitting Color: Super Bright White. ■ Device Outline: Φ5mm round type. ■ Lens Type: White diffused.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	SALES BY	PREPARED BY
			

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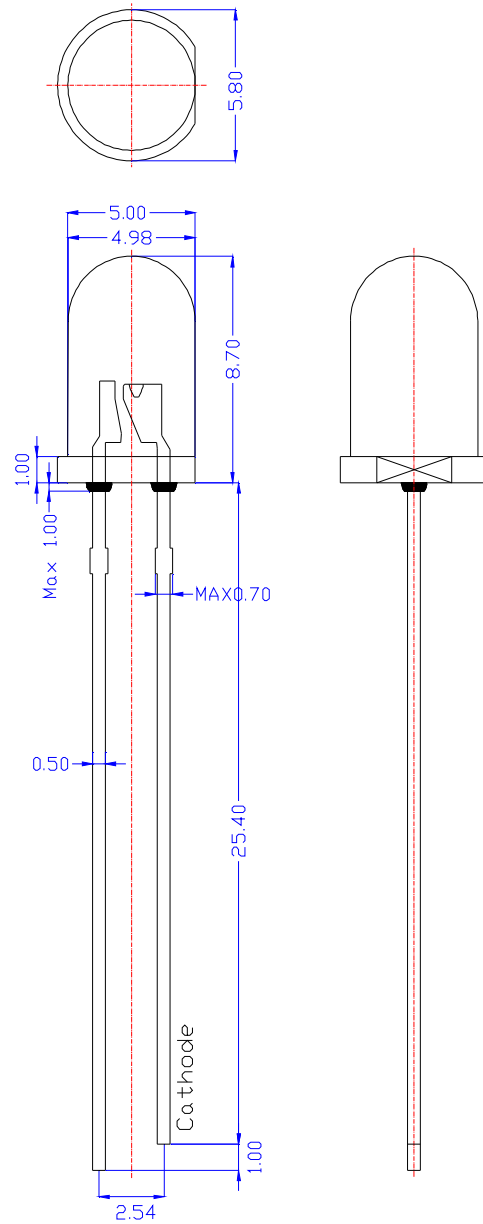
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■ **Features**

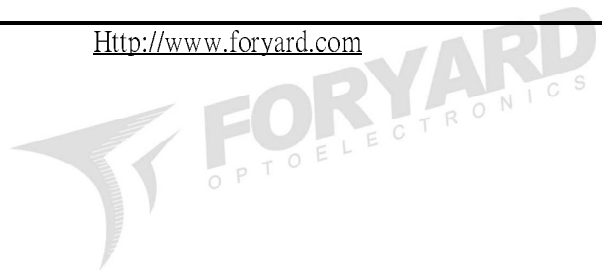
- 1.Low power consumption.
- 2.High efficiency.
- 3.General purpose leads.
- 4.High intensity.
- 5.RoHs compliant.

■ **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.



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■ Absolute Maximun Ratings(Ta=25° 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°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	2000	3000	—	mcd	IF=20mA
Viewing Angle	2θ _{1/2}	—	30	—	Deg	
Color temperature	CCT	—	6500	—	K	
Chromaticity coordinates	X	—	0.31	—	nm	
	Y	—	0.32	—	nm	
Forward Voltage	V _F	2.6	2.9	3.2	V	VR=5V
Reverse Current	I _R	—	—	10	μA	

Note:

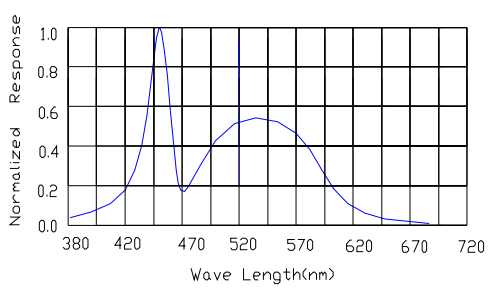
- 1.Luminous Intensity is based on the Foryard standards.
- 2.Pay attention about static for InGaN

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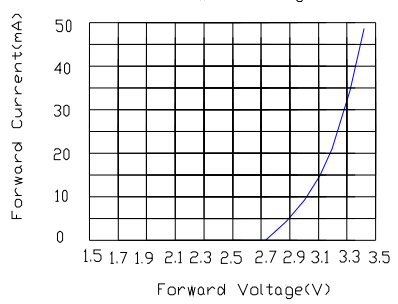
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Typical Electrical/Optical Characteristics Curves(Ta=25° C Unless Otherwise Noted)

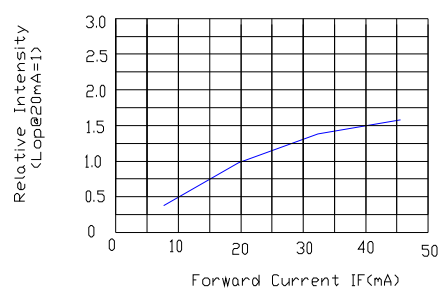
Spectral Reduance



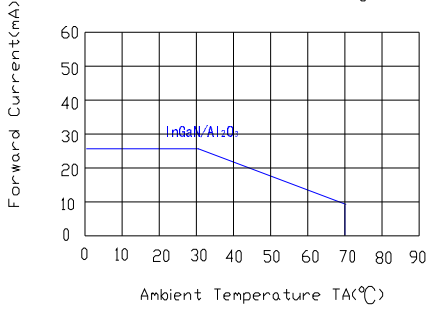
Forward Current Vs Forward Voltage



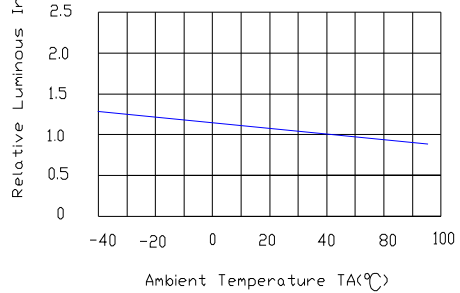
Relative Luminous intensity vs Forward current



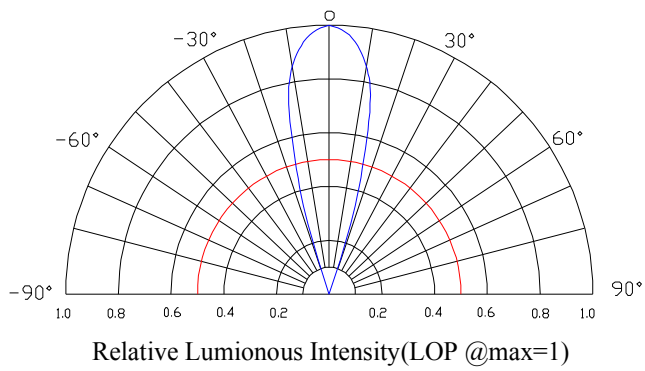
Forward Current Derating Curve



Luminous Intensity Vs. Ambient Temperature



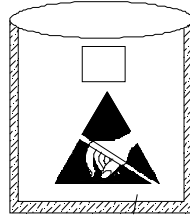
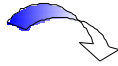
Radiation pattern.



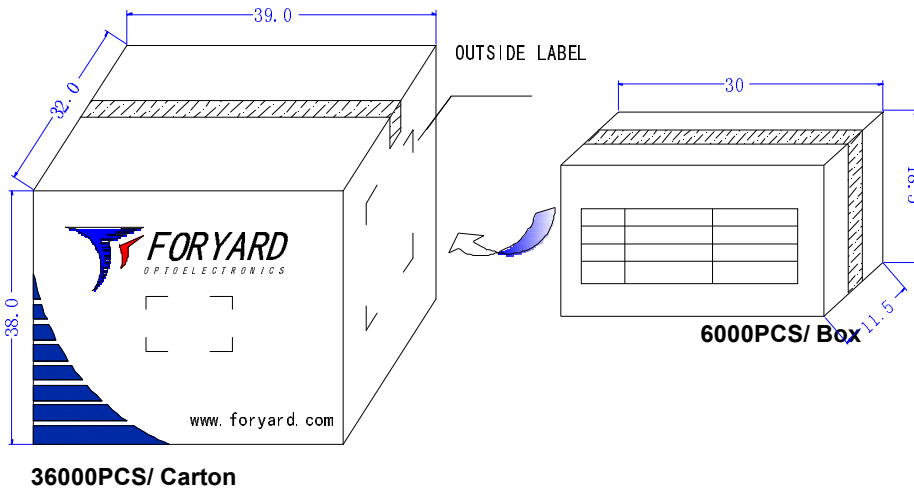
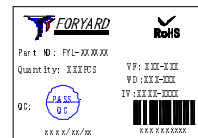
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■ **LAMP PACKING.**



5mm 500PCS/Polybag



OUTSIDE LABEL

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