

PRODUCT SPECIFICATION

Model No.: FYL-10013LUYC1A

Descriptions:
■ Dice material: AlGaInP.
■ Emitting Color: Super bright Yellow.
■ Device Outline: Φ10mm round Type.
■ Lens Type: Water clear.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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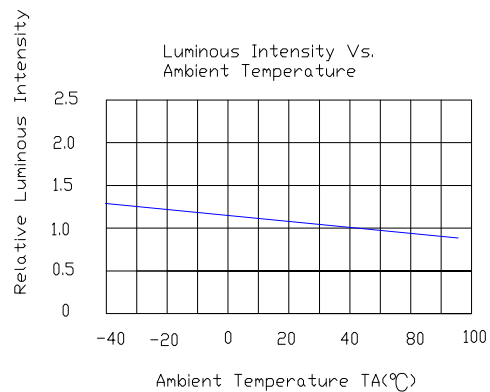
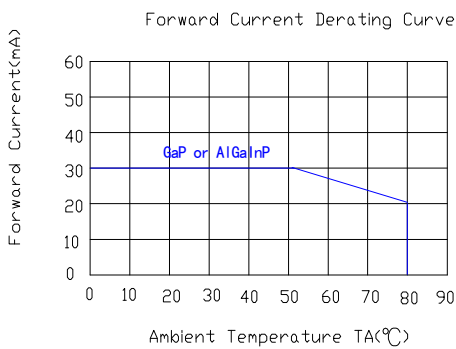
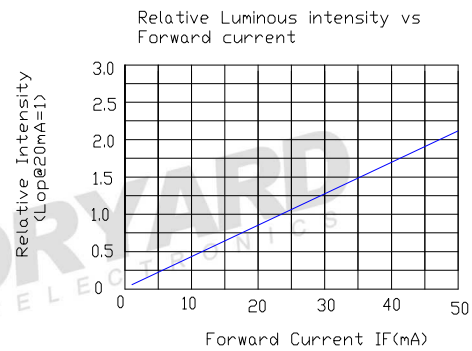
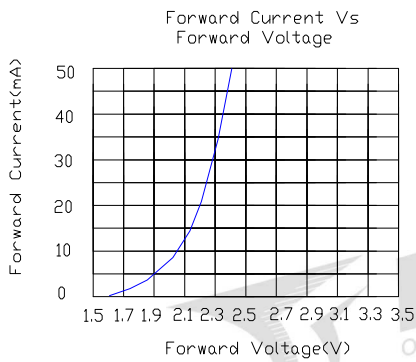
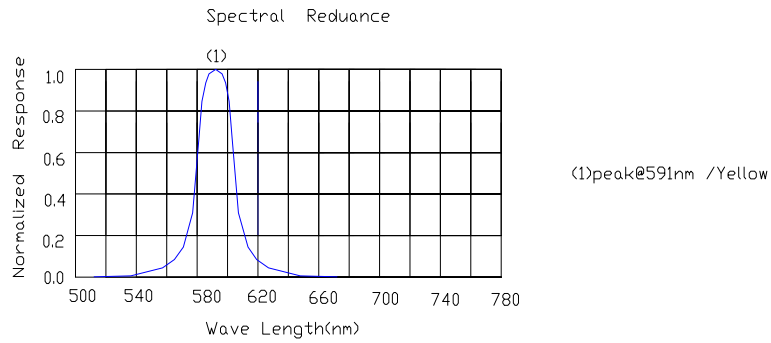
■ Absolute maximum ratings($T_a=25\text{ }^\circ\text{C}$)

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 $50\text{ }^\circ\text{C}$	0.4	mA/ $^\circ\text{C}$
Reverse Voltage	5	V
Operating Temperature Range	$-40\text{ }^\circ\text{C}$ to $+85\text{ }^\circ\text{C}$	
Storage Temperature Range	$-40\text{ }^\circ\text{C}$ to $+100\text{ }^\circ\text{C}$	
Lead Soldering Temperature[4mm(.157") From Body]	$260\text{ }^\circ\text{C}$ for 5 Seconds	

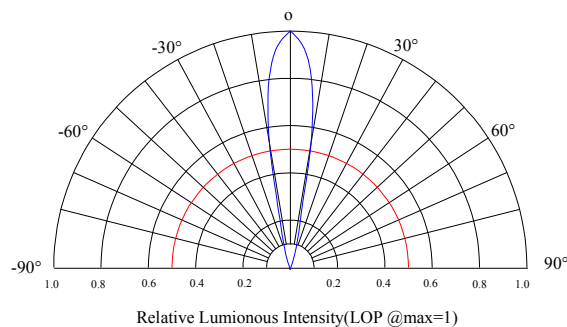
■ Electrical and optical characteristics($T_a=25\text{ }^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	-	13000	-	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	-	20	-	Deg	
Peak Emission Wavelength	λ_p	-	591	-	nm	
Dominant Wavelength	λ_d	585	590	595	nm	
Forward Voltage	$\Delta\lambda$	-	20	-	V	
Spectral Line Half-Width	V_F	1.7	2.0	2.5	V	
Reverse Current	I_R			10	μA	$V_R=5\text{V}$

■ **Typical Electrical Characteristics Curves**
(25 °c Ambient Temperature Unless Otherwise Noted)

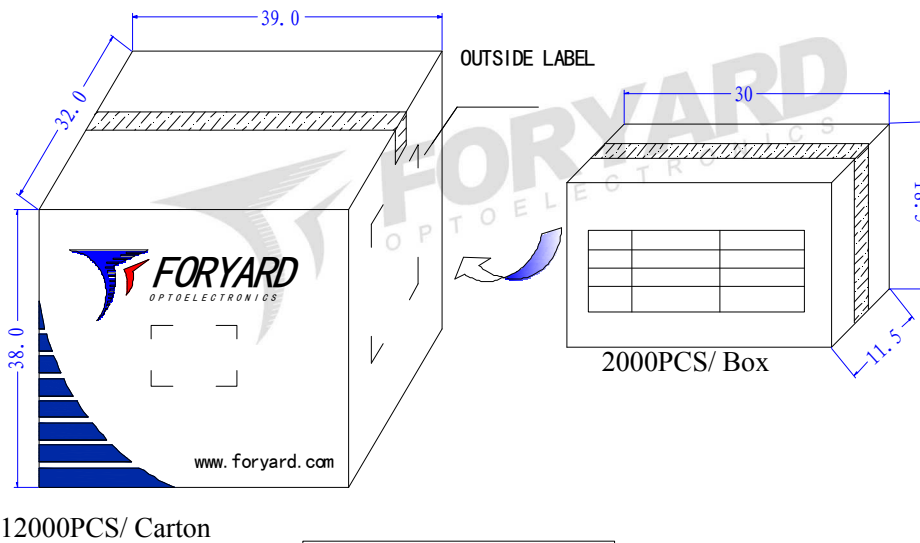
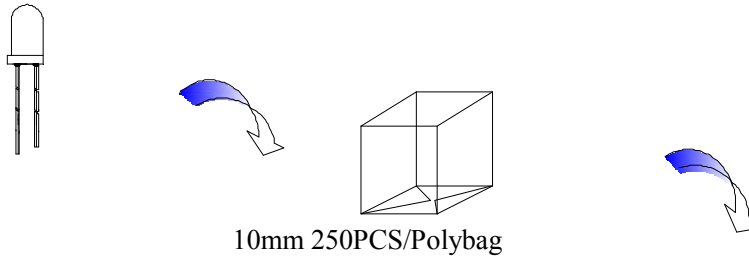


Radiation pattern.



Model. No.	FYL-10013LUYC1A
Rev.	A

■ LAMP PACKING.



OUTSIDE LABEL