

Model. No.	FYL-3044GD1C
Rev.	A

PRODUCT SPECIFICATION

Model No.: FYL-3044GD1C

Descriptions:
■Dice material: GaP
■Emitting Color: Green
■Device Outline: Φ3mm cylinder type.
■Lens Type: Green diffused



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

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

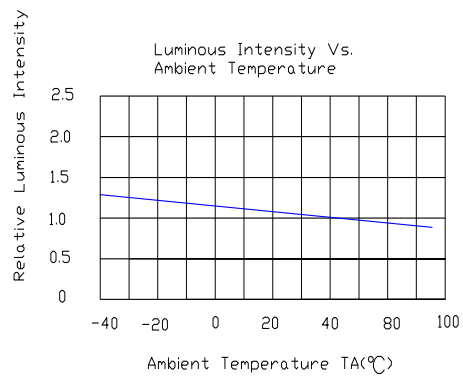
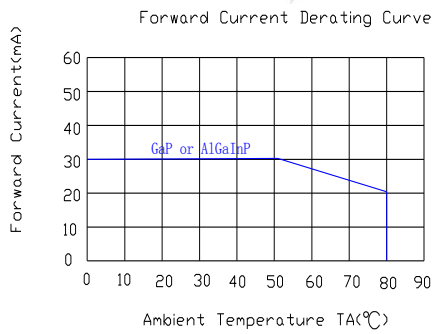
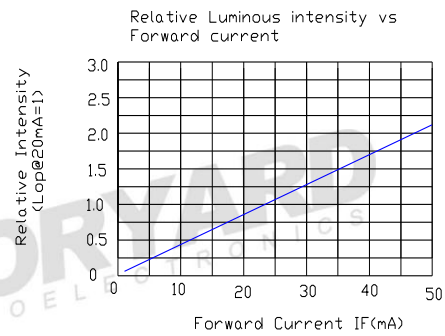
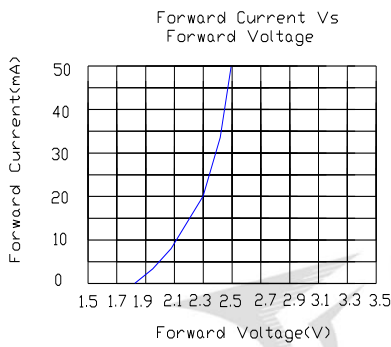
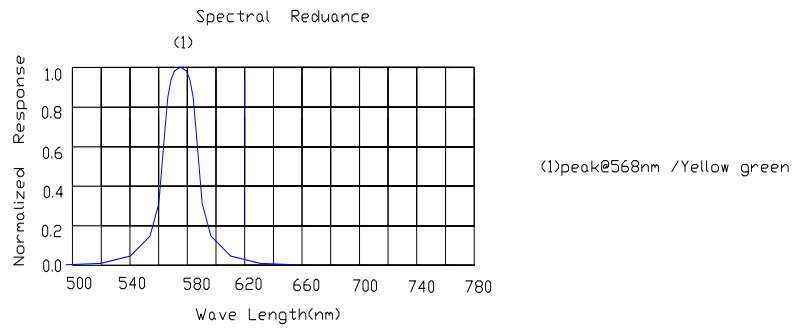
Parameter	MAX.	Unit
Power Dissipation	75	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50 $^{\circ}\text{C}$	0.4	mA/ $^{\circ}\text{C}$
Reverse Voltage	5	V
Operating Temperature Range	-20 $^{\circ}\text{C}$ to +80 $^{\circ}\text{C}$	
Storage Temperature Range	-30 $^{\circ}\text{C}$ to +100 $^{\circ}\text{C}$	
Lead Soldering Temperature[4mm(.157") From Body]	260 $^{\circ}\text{C}$ for 5 Seconds	

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

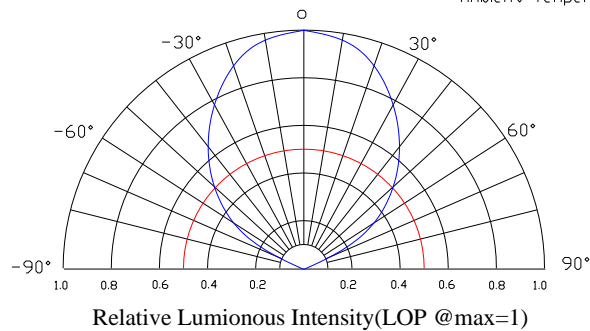
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	2	6	-	mcd	$I_F=10\text{mA}$
Viewing Angle	$2\theta_{1/2}$	-	100	-	Deg	
Peak Emission Wavelength	λ_p	-	568	-	nm	
Dominant Wavelength	λ_d	565	570	575	nm	
Spectral Line Half-Width	$\Delta\lambda$	-	20	-	nm	
Forward Voltage	V_F	1.8	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)

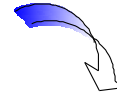
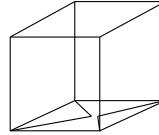
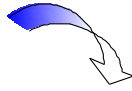


Radiation pattern.

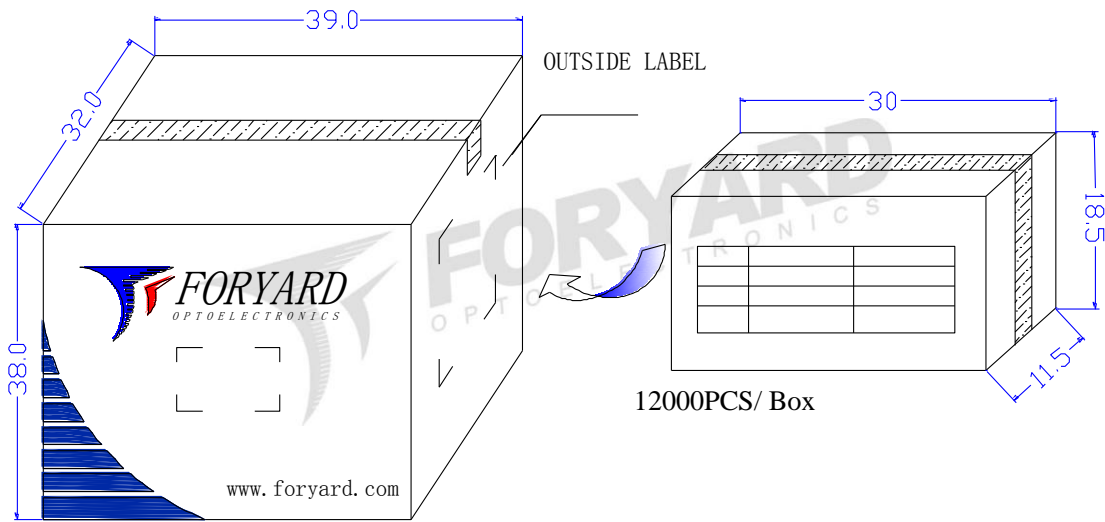


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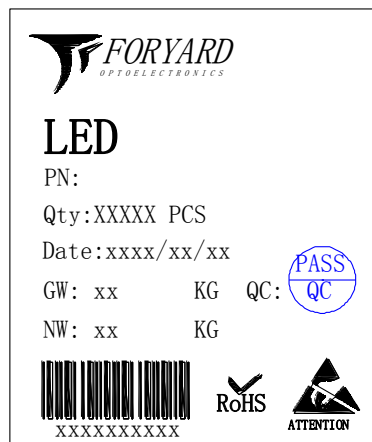
■ LAMP PACKING



3mm 1000PCS/Polybag



72000PCS/ Carton



OUTSIDE LABEL