

PRODUCT SPECIFICATION

Model No.: FYL-48D2SUYC1A

Descriptions:
■ Dice material: AlGaInP.
■ Emitting Color: Super bright Yellow.
■ Device Outline: Φ 4.8mm straw hat type.
■ Lens Type: Water clear.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

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

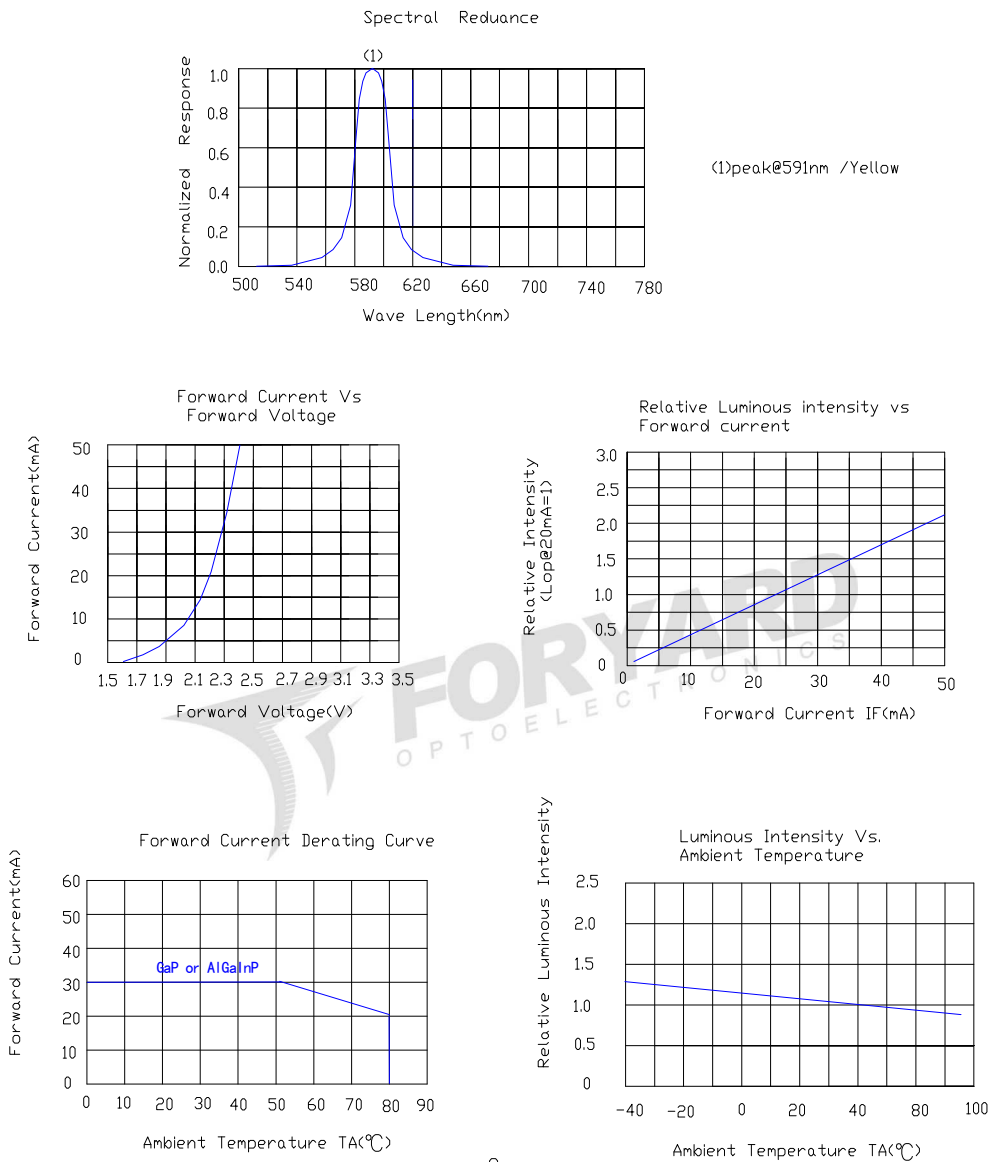
Parameter	MAX.	Unit
Power Dissipation	75	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50 $^{\circ}\text{C}$	0.4	mA/ $^{\circ}\text{C}$
Reverse Voltage	5	V
Operating Temperature Range	-40 $^{\circ}\text{C}$ to +85 $^{\circ}\text{C}$	
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($T_a=25\text{ }^{\circ}\text{C}$)

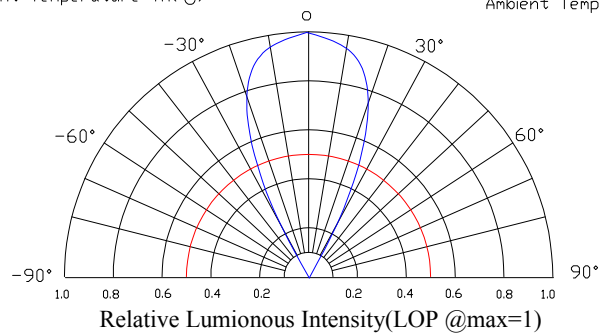
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	–	600	–	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	–	50	–	Deg	
Peak Emission Wavelength	λ_p	–	591	–	nm	
Dominant Wavelength	λ_d	585	590	595	nm	
Spectral Line Half-Width	$\Delta\lambda$	–	20	–	nm	
Forward Voltage	V_F	1.7	2.0	2.5	V	$V_R=5\text{V}$
Reverse Current	I_R			10	μA	

■ Typical Electrical Characteristics Curves

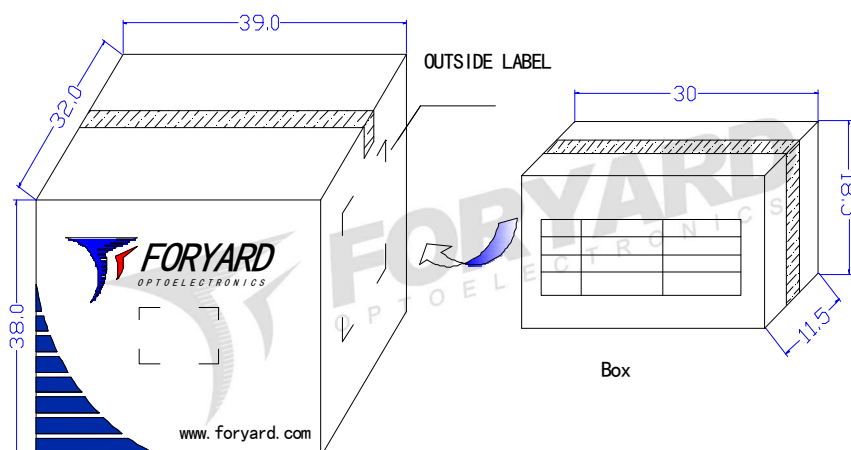
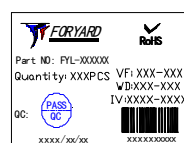
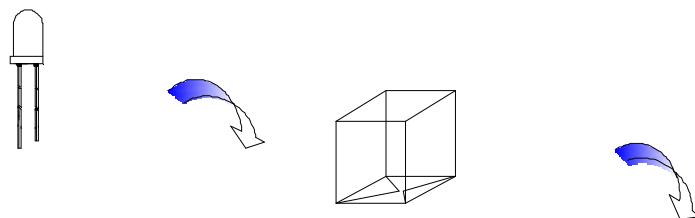
(25 °c Ambient Temperature Unless Otherwise Noted)



Radiation pattern.



■ LAMP PACKING.



6Boxes/Cartron



OUTSIDE LABEL