

Model No.	FYL-5016UBD1C-B
Rev.	A

PRODUCT SPECIFICATION

Model No.: FYL-5016UBD1C-B

Descriptions:
■ Dice material: InGaN.
■ Emitting Color: Super bright Blue.
■ Device Outline: Φ5mm round blinking flash type.
■ Lens Type: Blue diffused.



CUSTOMER APPROVED SIGNATURES	APPROVED BY	CHECKED BY	PREPARED BY

NINGBO FORYARD OPTOELECTRONICS CO.,LTD.

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

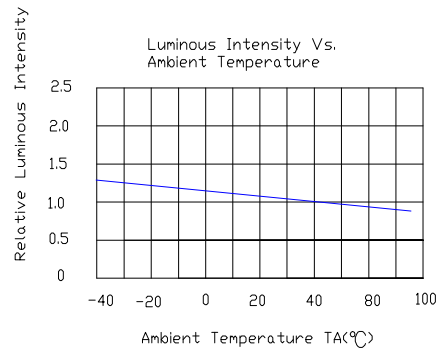
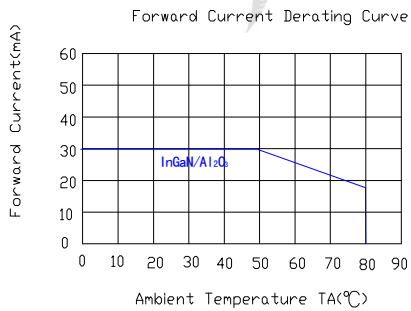
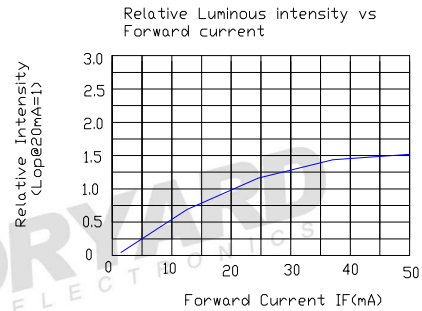
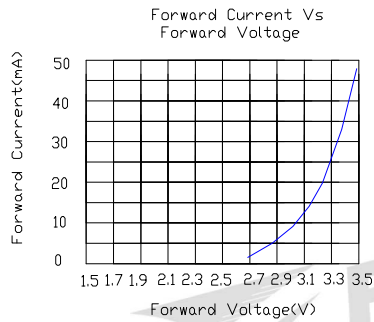
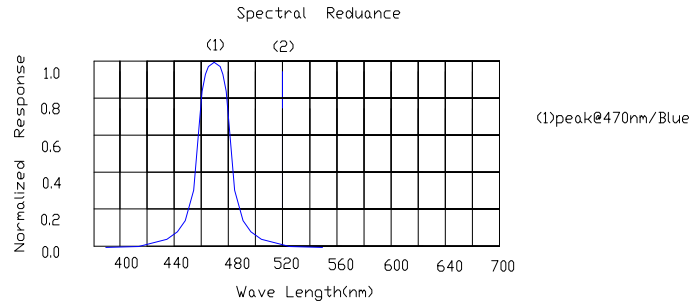
Parameter	MAX.	Unit
Power Dissipation	90	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	25	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +85°C	
Storage Temperature Range	-40°C to +100°C	
Lead Soldering Temperature[4mm(.157")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

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

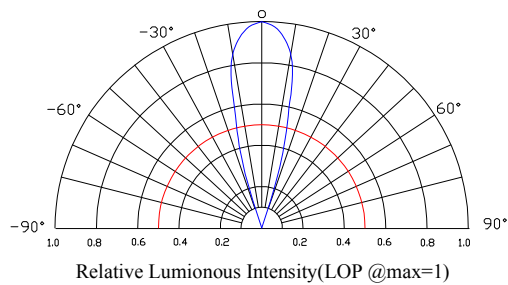
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	-	1500	-	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	-	30	-	Deg	
Peak Emission Wavelength	λ_p	-	470	-	nm	
Dominant Wavelength	λ_d	464	468	474	nm	
Spectral Line Half-Width	$\Delta\lambda$	-	30	-	nm	
Forward Voltage	V_F	6.0	8.0	-	V	
Blinking Frequency	F _{blk}	2.0	2.4	2.8	Hz	V _{DD} =5V
Reverse Current	I_R			10	μA	V _R =5V

■ Typical Electrical Characteristics Curves

(25 °c Ambient Temperature Unless Otherwise Noted)

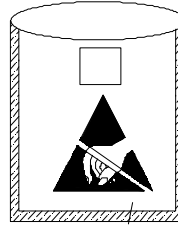


Radiation pattern.

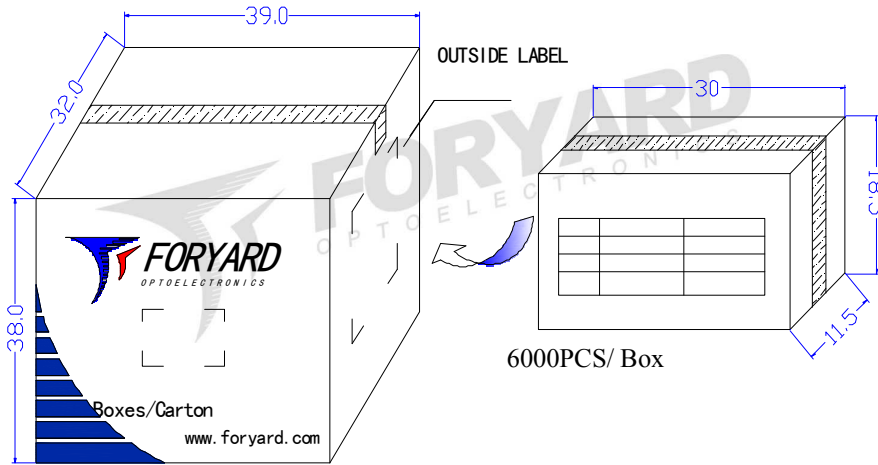
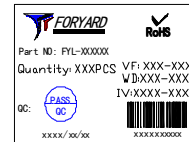


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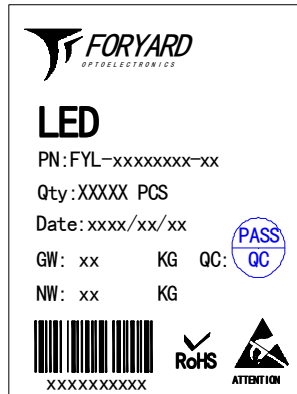
■ LAMP PACKING.



5mm 500PCS/Polybag



36000PCS/ Carton



OUTSIDE LABEL