

FYL-5483UBC1A

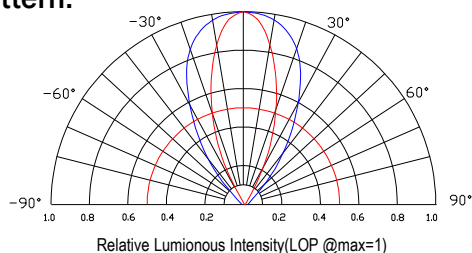
Features:

- High intensity
- General purpose leads
- RoHs Compliant.

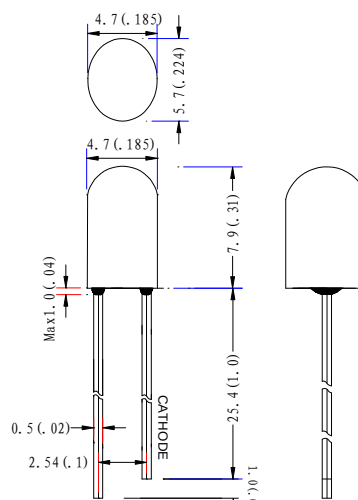
Descriptions:

- Dice material: InGaN.
- Emitting Color: Super bright Blue.
- Device Outline: $\Phi 5 \times 4$ mm ellipse Type
- Lens Type: Water clear.

Radiation pattern.



Package configuration



- ◆ All dimensions are millimeters (inches)
- ◆ Tolerance is $\pm 0.25\text{mm}(.010")$ unless otherwise noted.

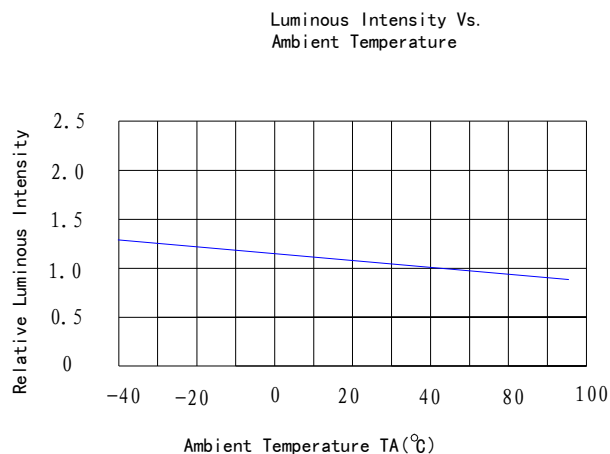
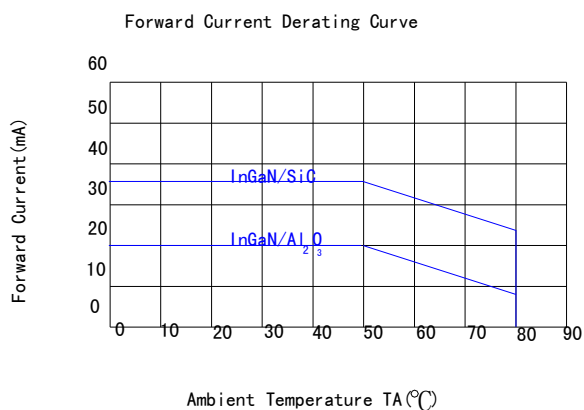
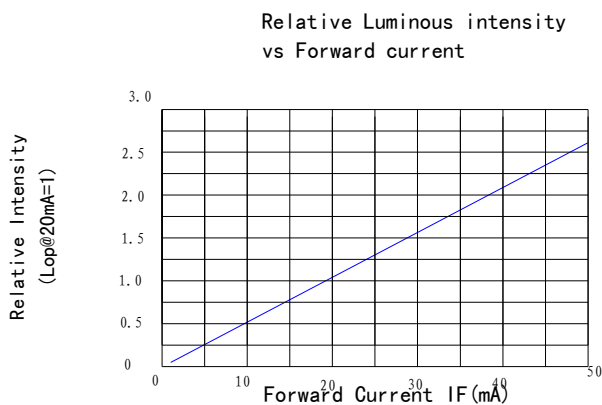
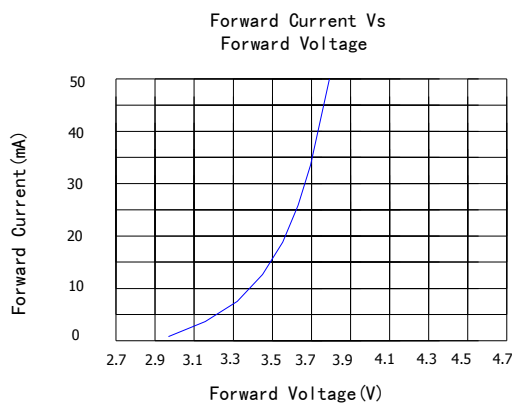
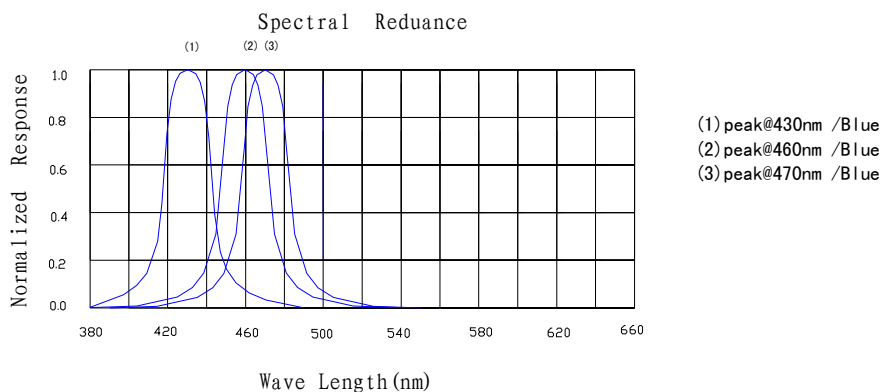
Absolute maximum ratings($T_a=25^\circ\text{C}$)

Parameter	MAX.	Unit
Power Dissipation	70	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Derating Linear From 50°C	0.4	mA/ $^\circ\text{C}$
Reverse Voltage	5	V
Electrostatic Discharge (ESD)	150	V
Operating Temperature Range	-30°C to $+80^\circ\text{C}$	
Storage Temperature Range	-40°C to $+100^\circ\text{C}$	
Lead Soldering Temperature[4mm(.157") From Body]	260 $^\circ\text{C}$ for 5 Seconds	

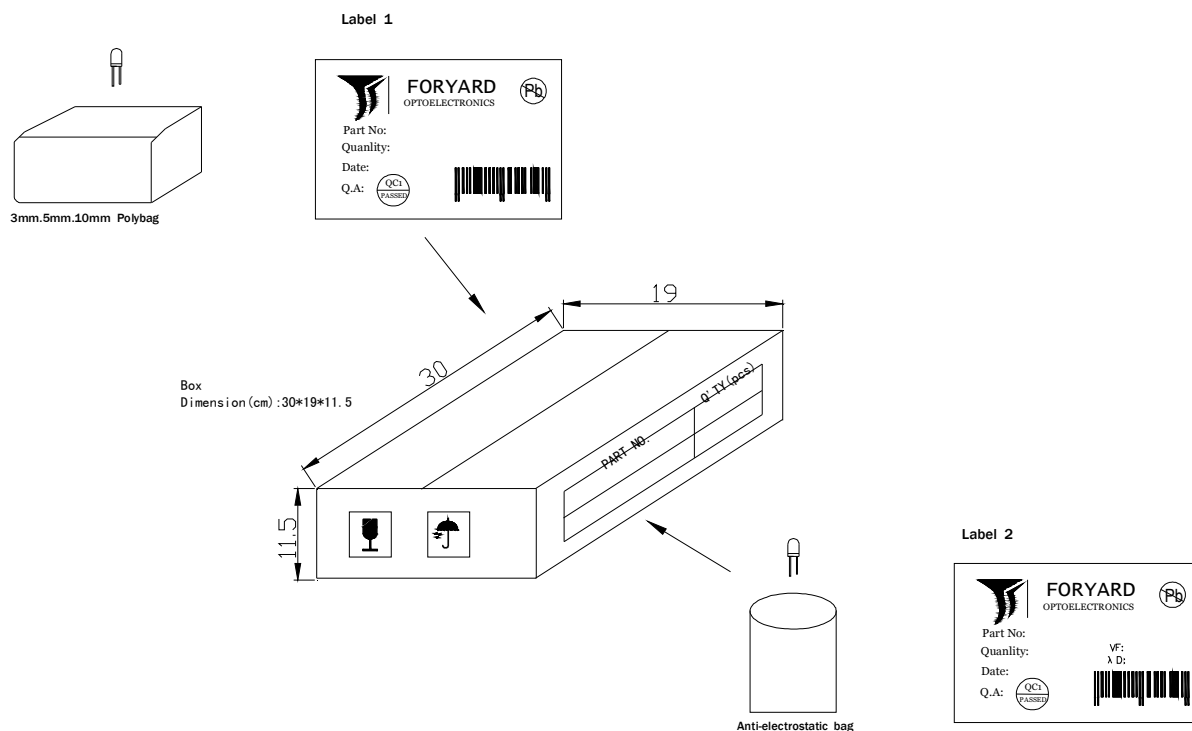
Electrical and optical characteristics($T_a=25^\circ\text{C}$)

Parameter	Symbol		Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v		—	2600	—	mcd	I _F =20mA
Viewing Angle	2θ _{1/2}	X	35	40	45	Deg	
		y	65	70	75		
Peak Emission	λ _p		465	470	475	nm	
Dominant Wavelength	λ _d		460	465	470	nm	
Spectral Line Half-Width	Δλ		10	15	20	nm	
Forward Voltage	V _F		2.8	3.2	3.6	V	
Reverse Current	I _R				50	μA	V _R =5V

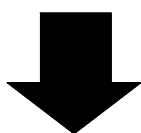
Typical Electrical Characteristics Curves (25 °c Ambient Temperature Unless Otherwise Noted)



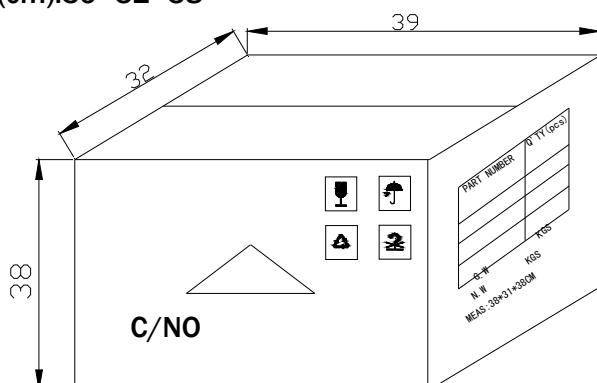
LAMP PACKING.



DEVICE	QTY/polybag(pcs)	Polybag/box A	Fig
5mm(T-1 3/4)	1000	8 bags	Label 1
3mm(T-1)	1000	10 bags	Label 1
10mm(T-1)	250	8 bags	Label 1
Blue/Green/White	500pcs	8 bags	Label 2



CARTON Dimension(cm):39*32*38



6 Boxes/Carton
 5mm:48,000pcs
 3mm:60,000pcs
 10mm:12,000pcs
 Blue/Pure Green/bluish Green
 /White:24,000pcs