

FYL-5012UWC1C

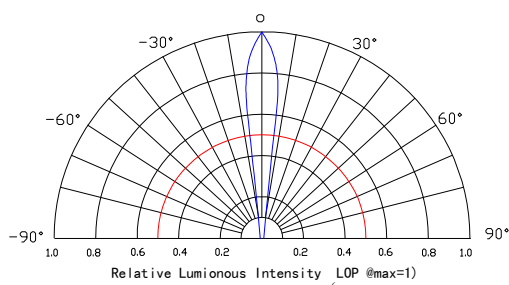
Features:

- High intensity
- General purpose leads
- RoHs compliant.

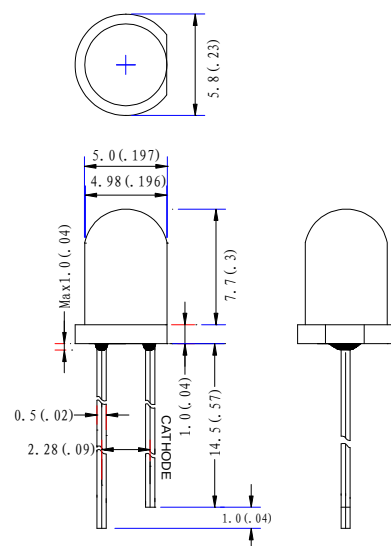
Descriptions:

- Dice material:InGaN
- Emitting Color: White
- Device Outline:Φ5mm Round 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.

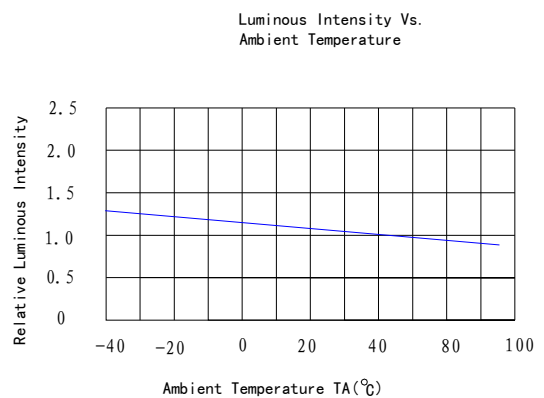
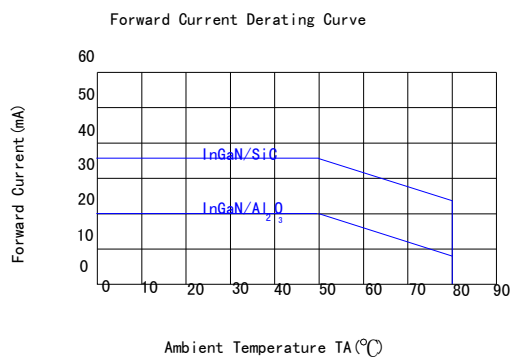
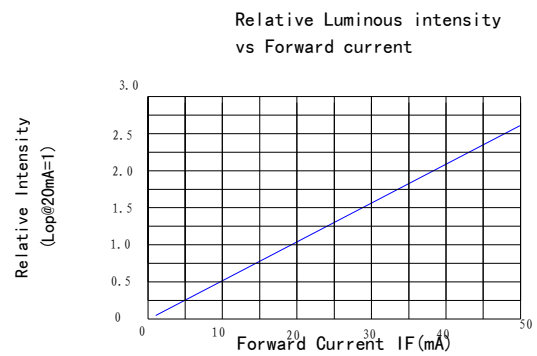
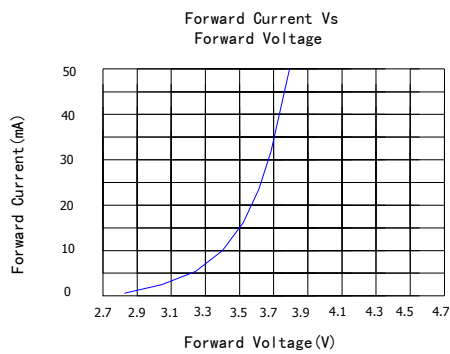
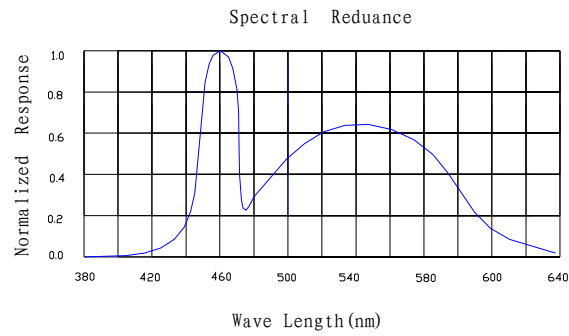
Absolute maximum ratings(Ta=25 °c)

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/°C
Reverse Voltage	5	V
Electrostatic Discharge (ESD)	150	V
Operating Temperature Range	-20°C to +80°C	
Storage Temperature Range	-30°C to +100°C	
Lead Soldering Temperature[4mm(.157") From Body]	260°C for 5 Seconds	

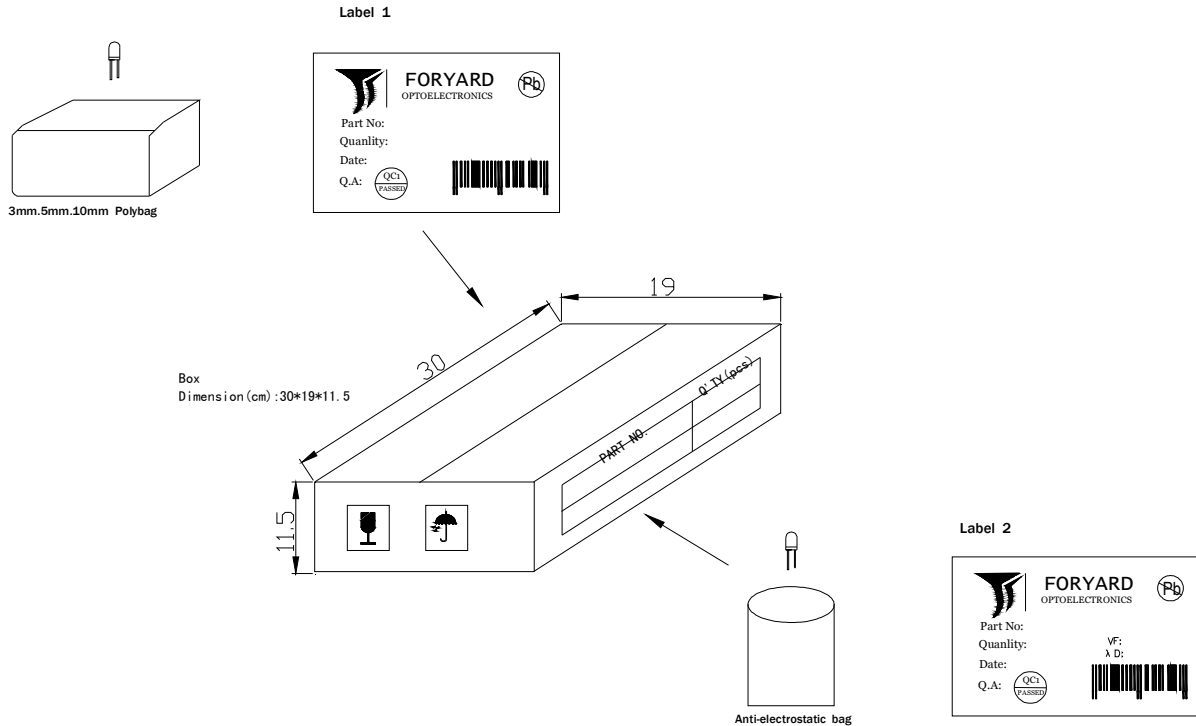
Electrical and optical characteristics(Ta=25 °c)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I _v	–	15000	–	mcd	I _F =20mA
Viewing Angle	2θ _{1/2}	10	15	20	Deg	
Chromaticity coordinates	x		0.29			
	y		0.30			
CCT			9500		K	
Forward Voltage	V _F	2.8	3.2	3.6	V	
Reverse Current	I _R			50	μA	V _R =5V

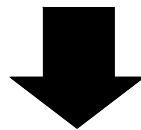
Typical Electrical Characteristics Curves (25 °c Ambient Temperature Unless Otherwise Noted)



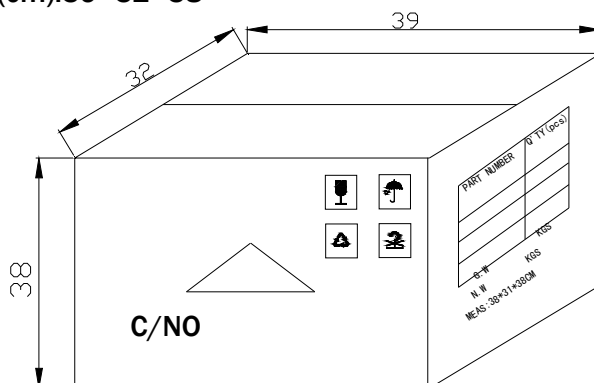
LAMP PACKING.



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