

FYL-5016BGC1C - B

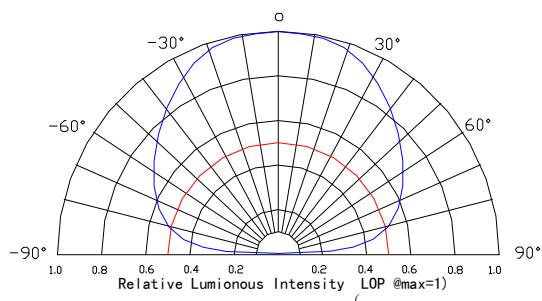
Features:

- High intensity
- General purpose leads
- RoHs complant.

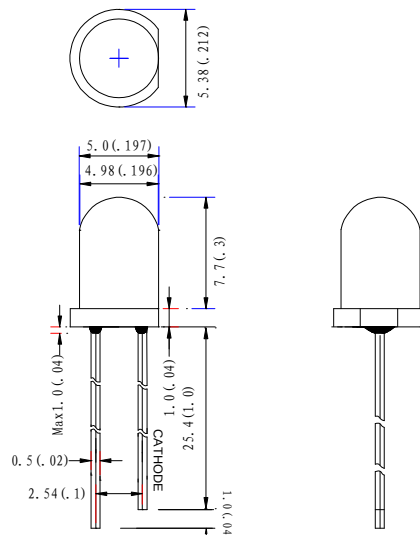
Descriptions:

- Dice material: InGaN.
- Emitting Color: Super bright Bluish green.
- Device Outline: $\Phi 5\text{mm}$ 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.

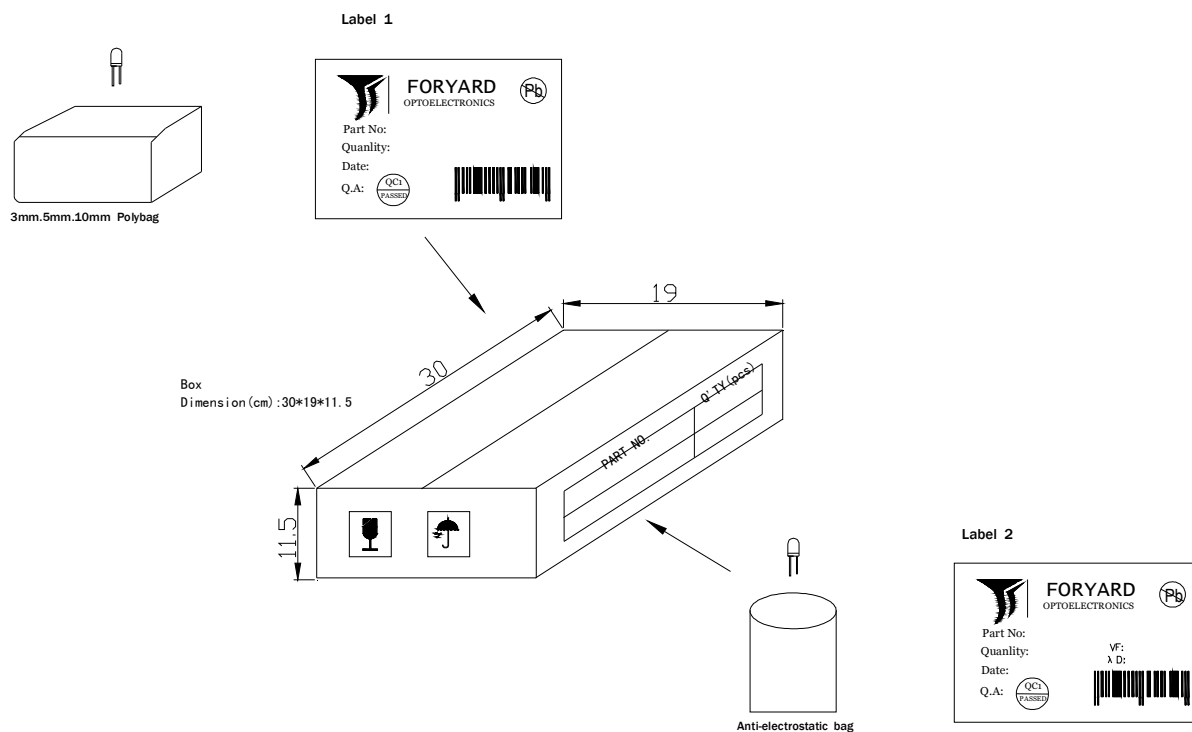
Absolute maximum ratings($T_a=25^\circ\text{C}$)

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	

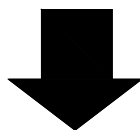
Electrical and optical characteristics($T_a=25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Viewing Angle	$2\theta_{1/2}$	150	160	170	Deg	$I_F=20\text{mA}$
Peak Emission	λ_p	500	505	510	nm	
Dominant Wavelength	λ_d	505	510	515	nm	
Spectral Line Half-Width	$\Delta\lambda$	10	15	20	nm	
Blinking Frequency	Fb k	2	2.4	2.8	HZ	
Forward Voltage	V_F		5		V	
Recommend Forward	---	-	10-20	-	mA	$V_R=5\text{V}$
Reverse Current	I_R			50	μA	

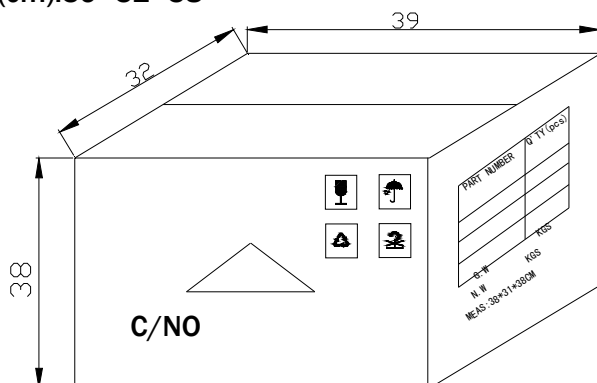
LAMP PACKING.



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