

## FYL-5483BGC1A

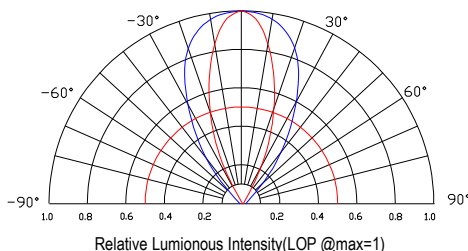
### Features:

- High intensity
- General purpose leads
- RoHs complant.

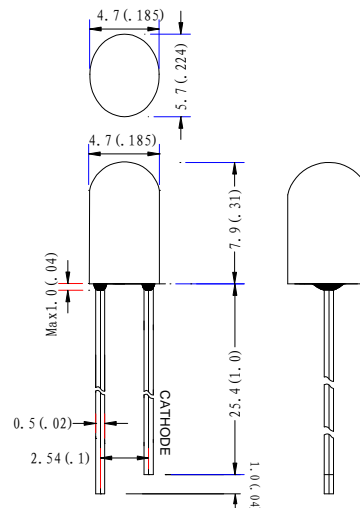
### Descriptions:

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

### Radiation pattern.



### Package configuration



- ◆ All dimensions are millimeters (inches)
- ◆ Tolerance is  $\pm 0.25\text{mm}(.010\text{'})$  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 $50^\circ\text{C}$	0.4	mA/ $^\circ\text{C}$
Reverse Voltage	5	V
Electrostatic Discharge (ESD)	150	V
Operating Temperature Range	-30 $^\circ\text{C}$ to +80 $^\circ\text{C}$	
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( $T_a=25^\circ\text{C}$ )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition	
Luminous Intensity	$I_v$	-	3500	-	mcd	$I_F=20\text{mA}$	
Viewing Angle	$2\theta_{1/2}$	X	35	40	45	Deg	$I_F=20\text{mA}$
		y	65	70	75		
Peak Emission	$\lambda_p$	500	505	510	nm		
Dominant Wavelength	$\lambda_d$	500	505	510	nm		
Spectral Line Half-Width	$\Delta\lambda$	30	35	40	nm		
Forward Voltage	$V_F$	2.8	3.2	3.6	V		
Reverse Current	$I_R$			50	$\mu\text{A}$	$V_R=5\text{V}$	

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

