

FYLF-1870UW1C

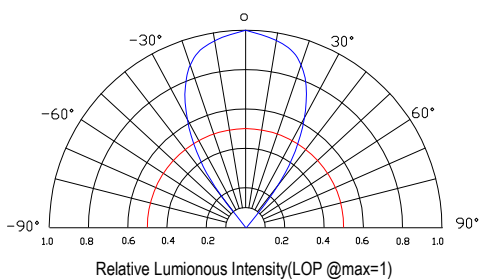
Features:

- High intensity
- General purpose leads
- RoHs complant.

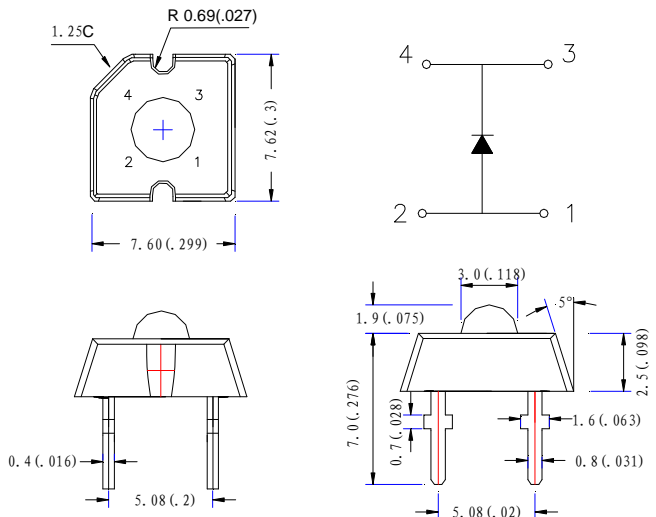
Descriptions:

- Dice material: InGaN
- Emitting Color: White
- 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($T_a=25\text{ }^\circ\text{C}$)

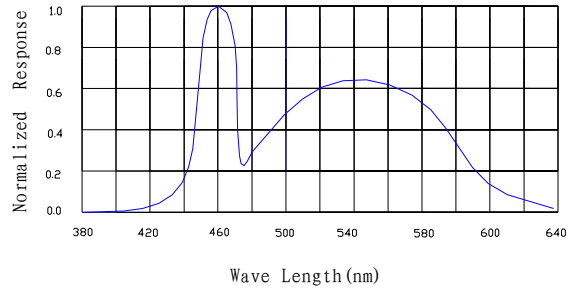
Parameter	MAX.	Unit
Power Dissipation	70	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	20	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Electrostatic Discharge (ESD)	150	V
Operating Temperature Range	-20°C to +80°C	
Storage Temperature Range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

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

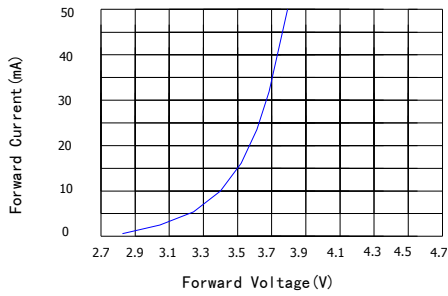
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	-	3000	-	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	60	65	70	Deg	
Chromaticity coordinates	x		0.29			
	y		0.30			
Forward Voltage	V_F	2.8	3.2	3.6	V	
CCT			9000		K	
Reverse Current	I_R			50	μA	$V_R=5\text{V}$

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

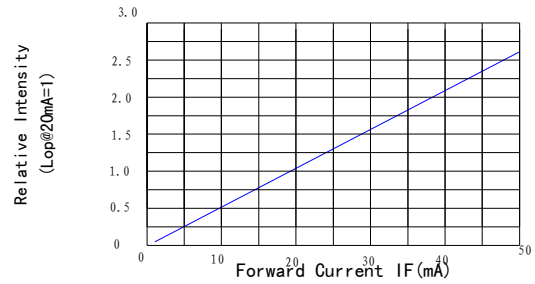
Spectral Reduance



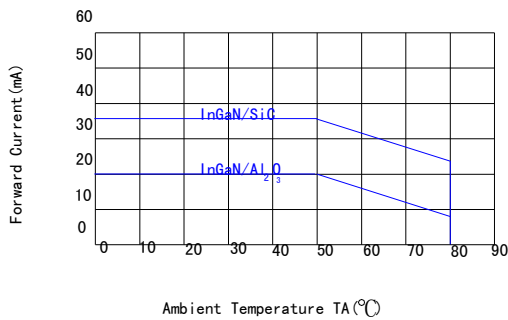
Forward Current Vs Forward Voltage



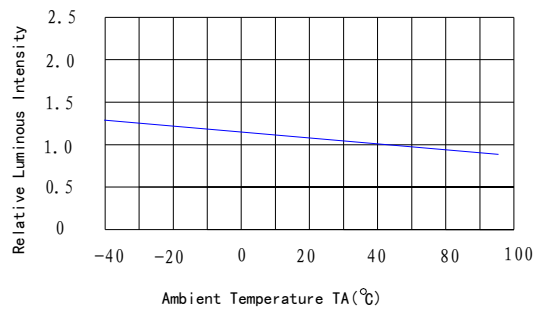
Relative Luminous intensity vs Forward current



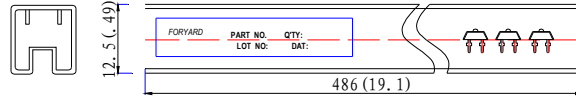
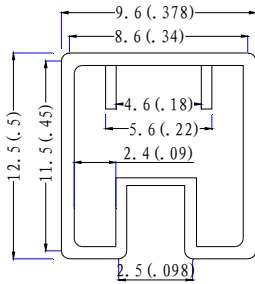
Forward Current Derating Curve



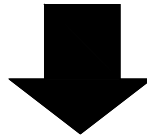
Luminous Intensity Vs. Ambient Temperature



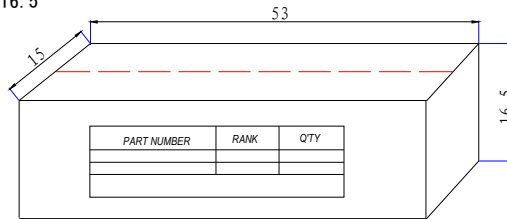
Flux LEDs PACKING.



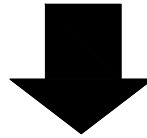
Adhesive Pipe
Dimension:mm(inches)
Each Adhesive Pipe 60 pcs



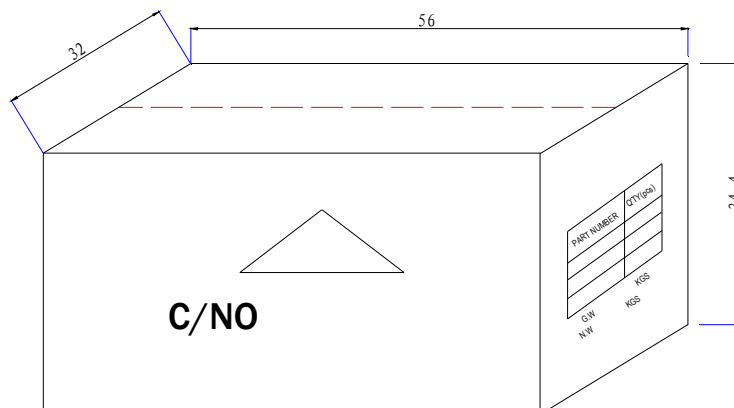
Box
Dimension (cm) : 53*15*16.5



Each box/carton 10,000pcs



CARTON
Dimension(cm):56*32*34.4



4 Boxes/Carton
Totail :40,000pcs