

FYLF- 1100UW1C

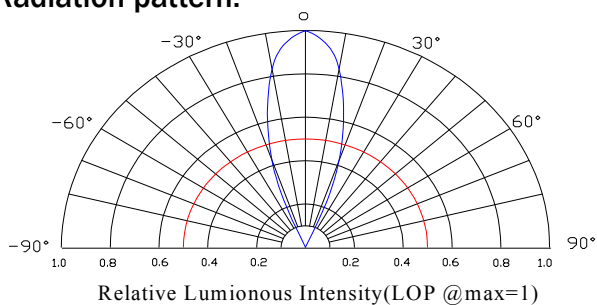
Features:

- High intensity
- General purpose leads
- RoHs compliant.

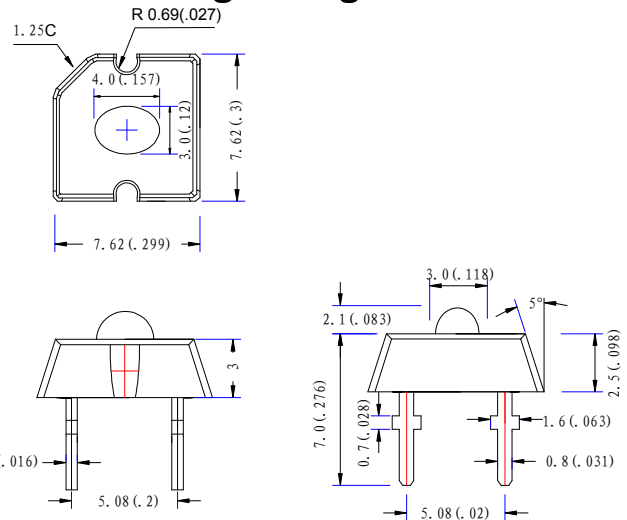
Descriptions:

- Dice material: InGaN
- Emitting Color: White
- Lens Type: Water clear

Radiation pattern.



Package configuration



Notes:

All dimensions are in mm. Tolerance is ± 0.25 mm unless otherwise noted.

An epoxy meniscus may extend about 1.5 mm down the leads.

Burr around bottom of epoxy may be 0.5 mm max.

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

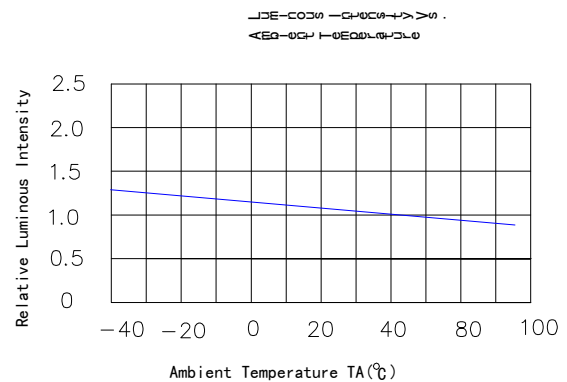
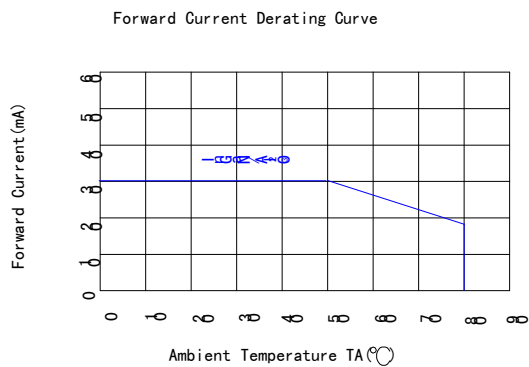
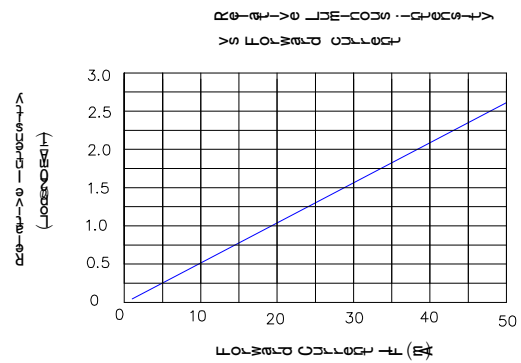
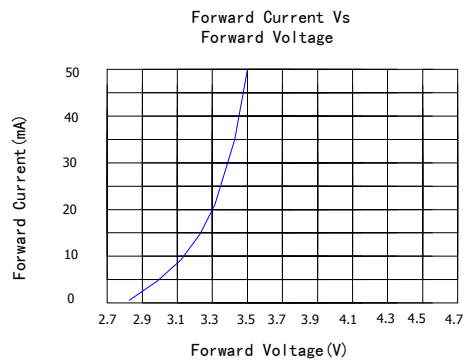
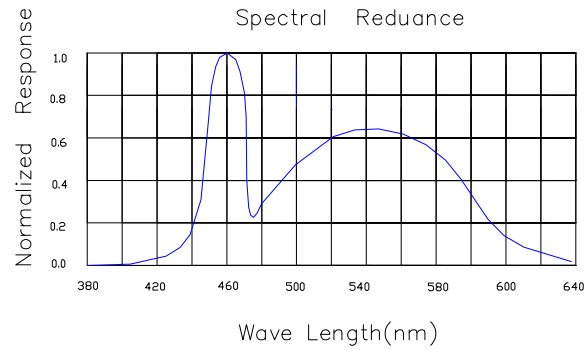
Parameter	MAX.	Unit
Power Dissipation	120	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/ $^\circ\text{C}$
Reverse Voltage	5	V
Electrostatic Discharge (ESD)	150	V
Operating Temperature Range	-20°C to $+80^\circ\text{C}$	
Storage Temperature Range	-30°C to $+100^\circ\text{C}$	
Lead Soldering Temperature[4mm(.157") From Body]	260 $^\circ\text{C}$ for 5 Seconds	

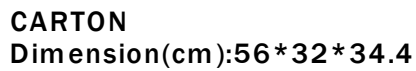
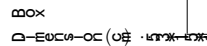
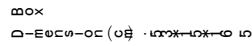
Electrical and optical characteristics($T_a=25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	6105	—	8550	mcd	$I_F=20\text{mA}$
Viewing Angle	$2\theta_{1/2}$	30	35	40	Deg	
Chromaticity coordinates	x		0.29			
	y		0.30			
CCT			9500		K	
Forward Voltage	V_F	2.8	3.2	3.6	V	$V_R=5\text{V}$
Reverse Current	I_R			10	μA	

- ✧ Tolerance of measurement of forward voltage is $\pm 0.1\text{V}$
- ✧ Tolerance of measurement of luminous intensity or flux is $\pm 15\%$.
- ✧ Tolerance of measurement of dominant wavelength is $\pm 1\text{nm}$.

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



[illegible]

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