LED LAMP

FYL-3004GD1L

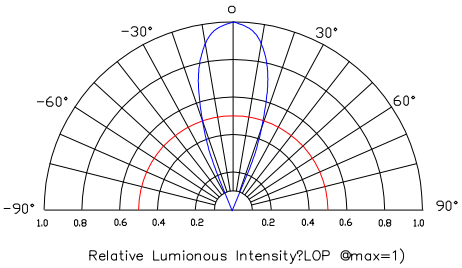
Features:

- General purpose leads
- RoHs compliant.

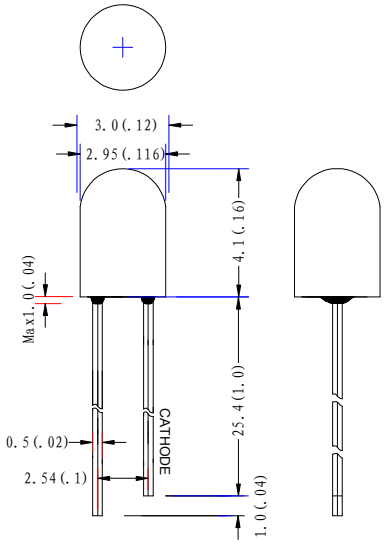
Descriptions:

- Dice material: GaP
- Emitting Color: Yellow Green
- Device Outline: Φ3mm Round Type.
- Lens Type: Green diffused.

Radiation pattern.



Package configuration



- All dimensions are millimeters (inches)
- Tolerance is ±0.25mm(.010") unless otherwise noted.

Absolute maximum ratings(Ta=25 ˚c)

Parameter	MAX.	Unit
Power Dissipation	50	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	50	mA
Derating Linear From 50℃	0.4	mA/℃
Reverse Voltage	5	V
Operating Temperature Range	-30℃ to +80℃	
Storage Temperature Range	-40℃ to +100℃	
Lead Soldering Temperature[4mm(.157") From Body]	260℃ for 5 Seconds	

Electrical and optical characteristics(Ta=25 ˚c)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V	–	30	–	mcd	I_F=20mA
Viewing Angle	$2\theta_{1/2}$	35	40	45	Deg	
Peak Emission Wavelength	λp	563	568	573	nm	
Dominant Wavelength	λd	565	570	575	nm	
Spectral Line Half-Width	△λ	15	20	25	nm	
Forward Voltage	V_F	1.8	2.2	2.5	V	
Reverse Current	I_R			10	μA	V_R=5V

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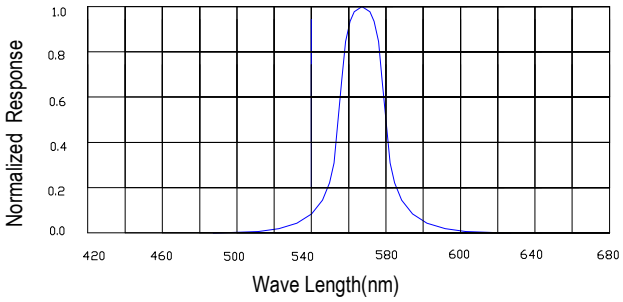
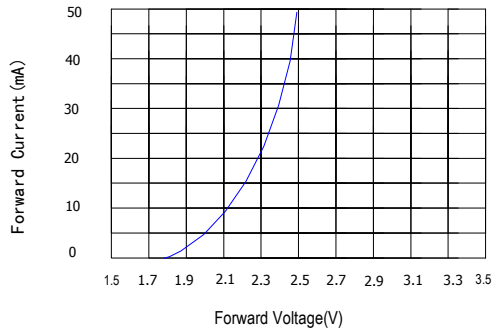
Typical Electrical Characteristics Curves
(25 ˚c Ambient Temperature Unless Otherwise Noted)

Spectral Reduance

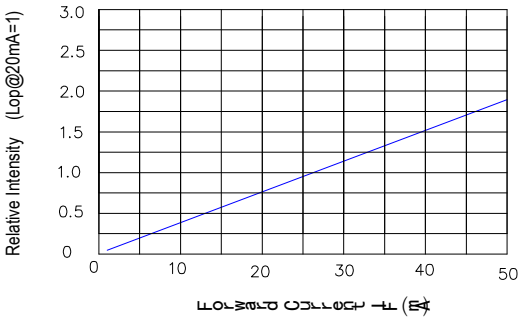


peak@568nm / Green

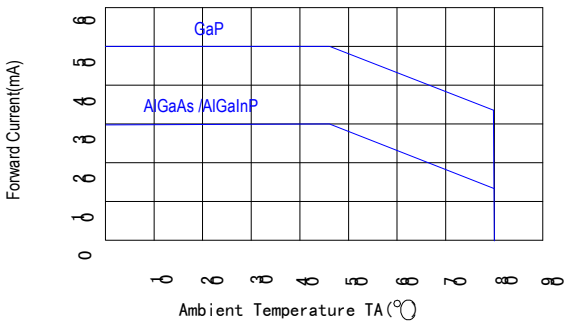
Forward Current Vs
Forward Voltage



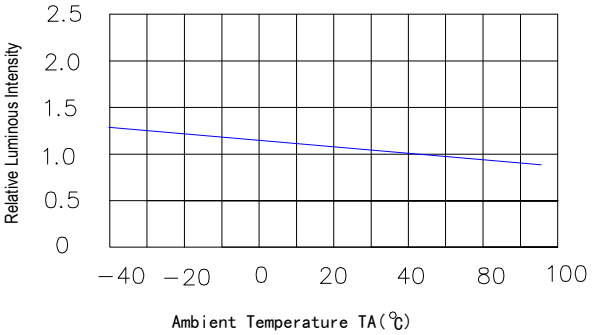
Relative Luminous intensity vs Forward current



Forward Current Derating Curve

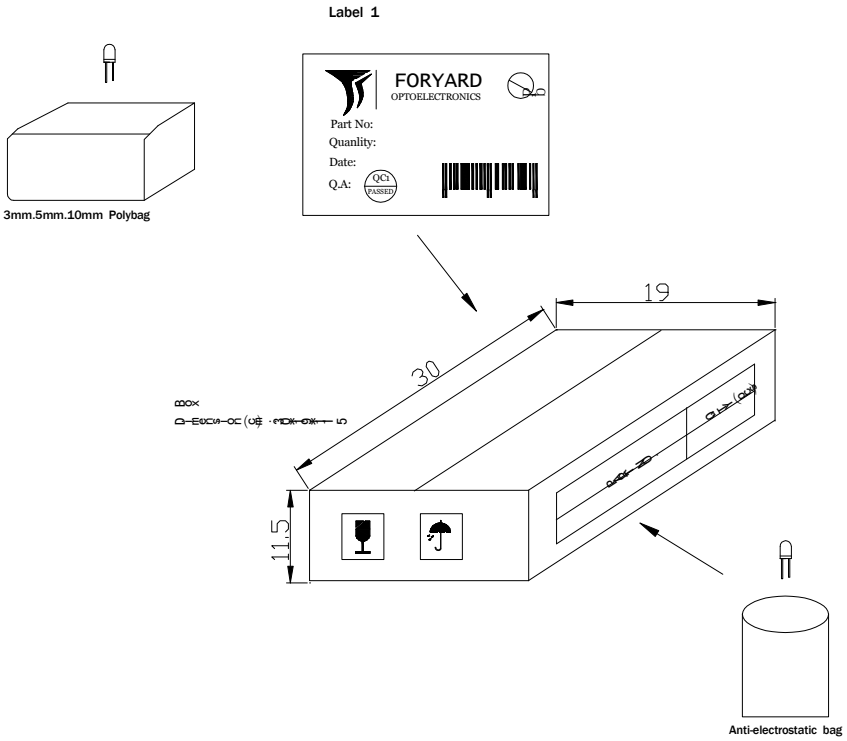


Luminous Intensity VsAmbient Temperature



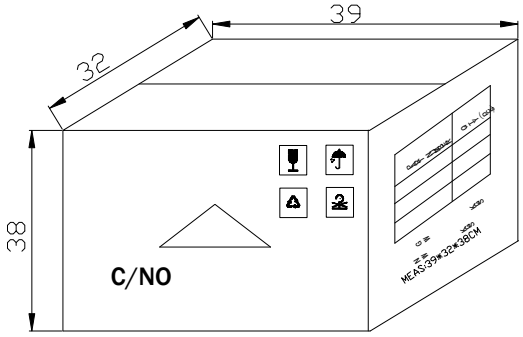
LED LAMP

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	500	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