FORYARD
OPTOELECTRONICS

LED LAMP

FYL- 5016UYUGC1C

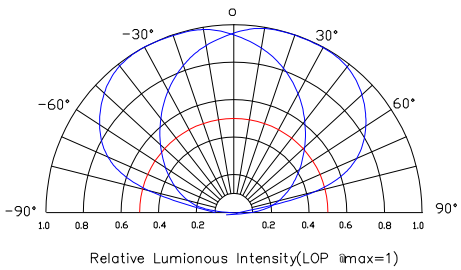
Features:

- High instensity
- General purpose leads
- RoHs complant.

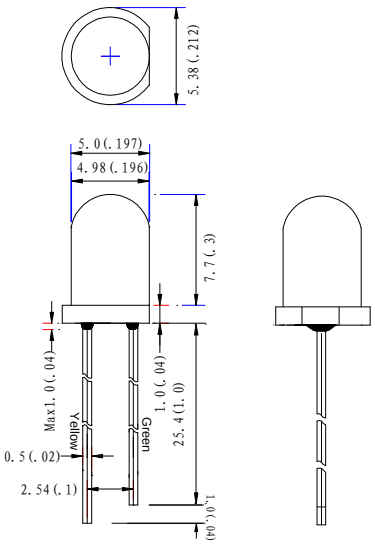
Descriptions:

- Dice material: Y: AlGaInP
  G: AlGaAs
- Emitting Color: Y: Super bright yellow
  G: Super bright Green
- Device Outline: Φ5mm Round Type.
- Lens Type: Water clear

Radiation pattern.



Package configuration



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

Absolute maximun ratings(Ta=25 °c)

Parameter	MAX.	Unit
Power Dissipation	80	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	25	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	

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Electrical and optical characteristics(Ta=25 ˚c)

Parameter	Symbol		Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	IV	Y	–	260	–	mcd	IF=20mA
		G	–	230	–		
Viewing Angle	2θ1/2	Y	–	150	–	Deg	
		G	–	150	–		
Peak Emission Wavelength	λp	Y	586	590	594	nm	
		G	565	570	575		
Dominant Wavelength	λd	Y	583	588	593	nm	
		G	568	571	574		
Spectral Line Half-Width	△λ	Y	10	15	20	nm	
		G	20	24	28		
Forward Voltage	VF	Y	1.9	2.1	2.4	V	
		G	2.0	2.1	2.4		
Reverse Current	IR				50	μA	VR=5V

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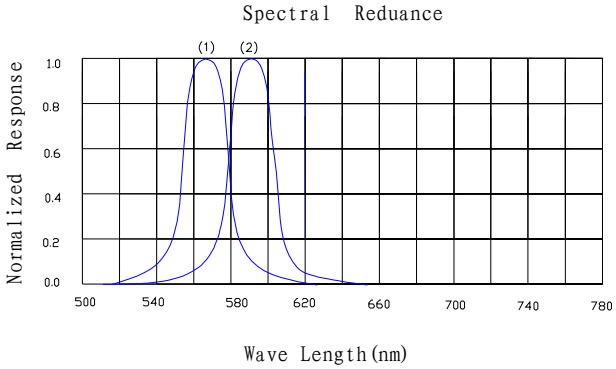
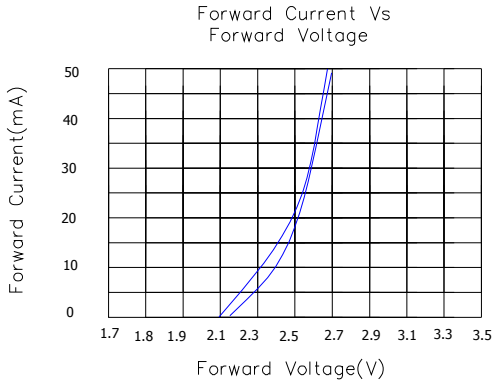
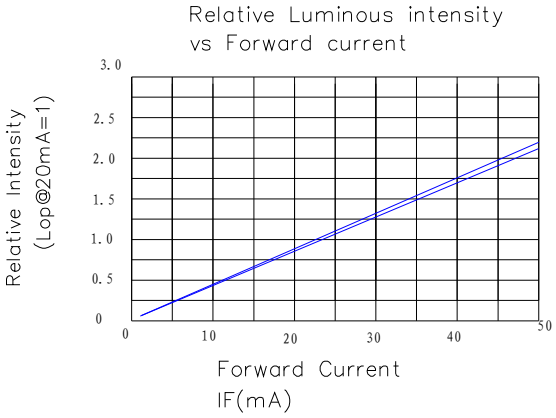
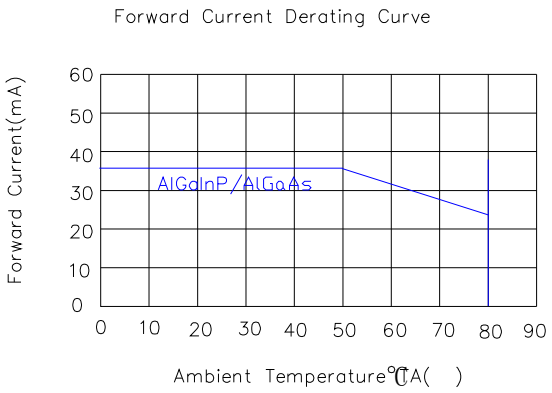
Typical Electrical Characteristics Curves
(25 °c Ambient Temperature Unless Otherwise Noted)

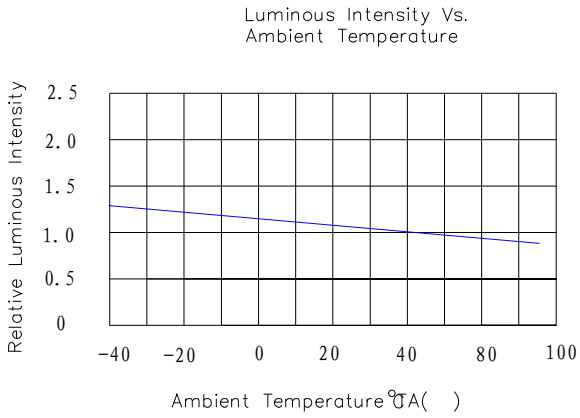


(2) peak@570nm / Green
(3) peak@590nm /Yellow



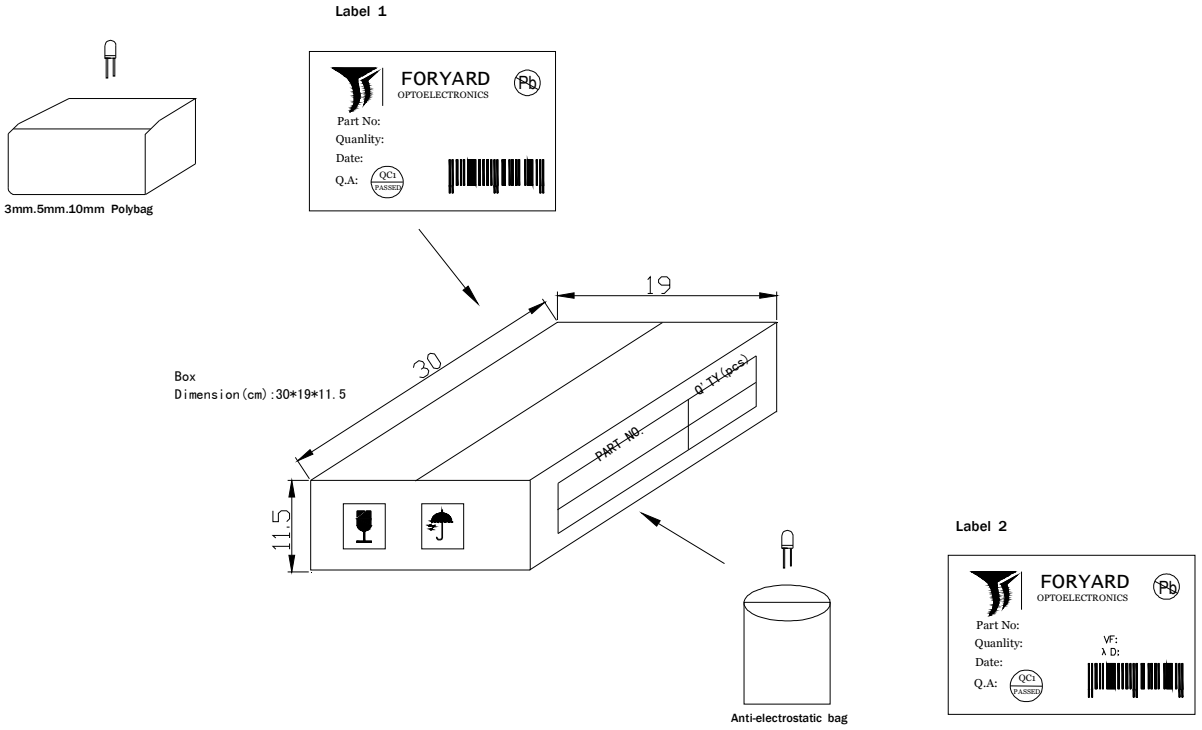






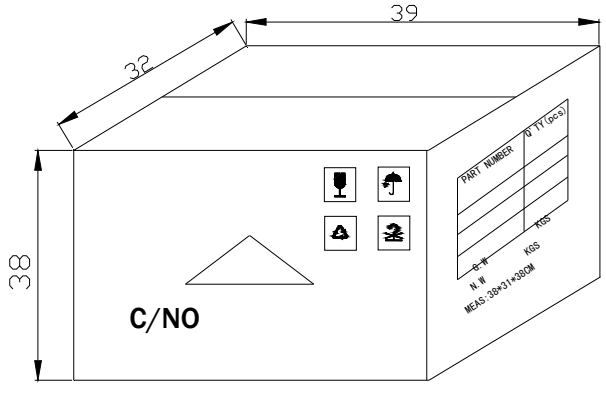
LED LAMP

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	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