

CL- 5013UYC1C- 009

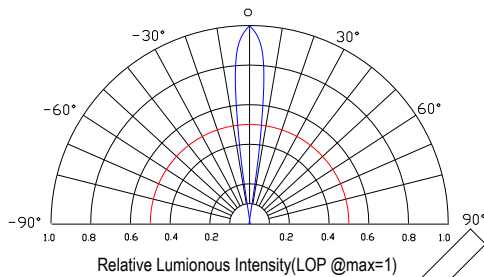
Features:

- High intensity
- General purpose leads
- RoHs compliant.

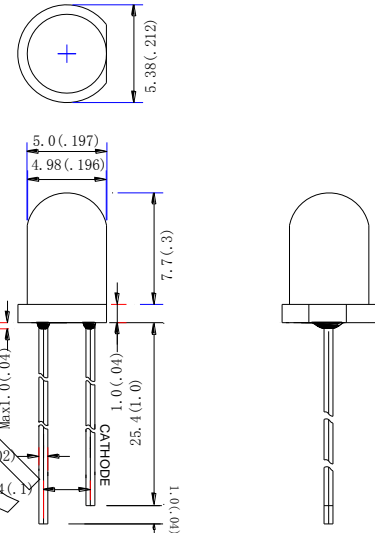
Descriptions:

- Dice material: AlGaInP
- Emitting Color: Super bright yellow
- Device Outline: Standard 5mm Round 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(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	20	mA
Derating Linear From 50 °C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-30 °C to +80 °C	
Storage Temperature Range	-40 °C to +100 °C	
Lead Soldering Temperature[4mm(.157") From Body]	260 °C for 5 Seconds	

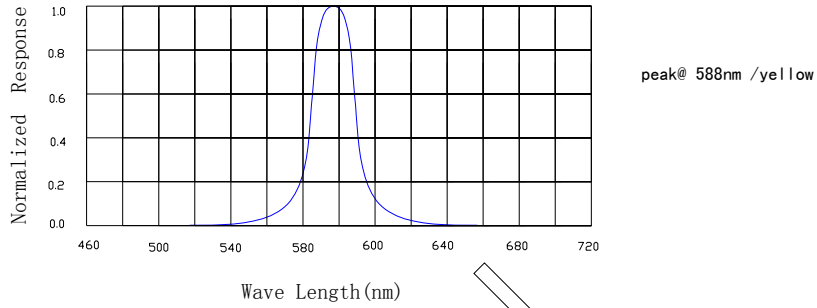
Electrical and optical characteristics(Ta=25 °c)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	IV	-	2000	-	mcd	IF=20mA
Viewing Angle	2θ1/2	10	15	20	Deg	
Peak Emission	λp	583	588	593	nm	
Dominant Wavelength	λd	586	591	596	nm	
Spectral Line Half-Width	Δλ	10	15	20	nm	
Forward Voltage	VF	1.9	2.1	2.5	V	VR=5V
Reverse Current	IR			50	μA	

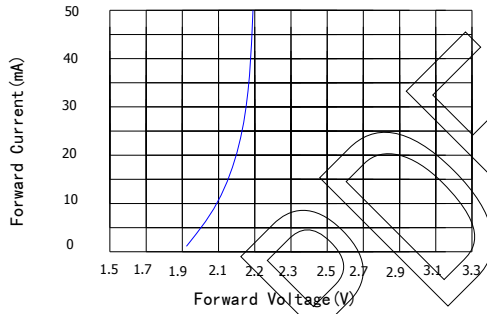
LED LAMP

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

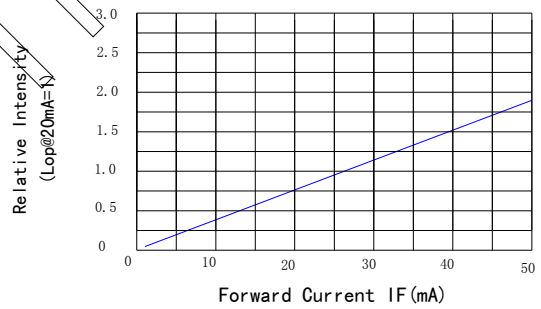
Spectral Reduance



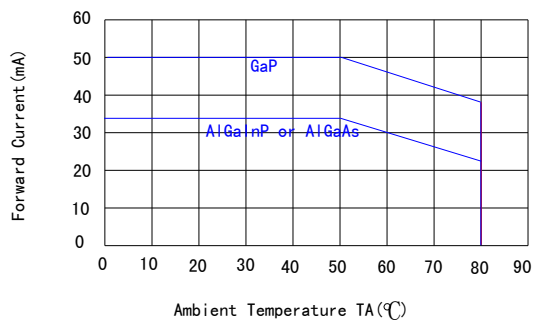
Forward Current Vs Forward Voltage



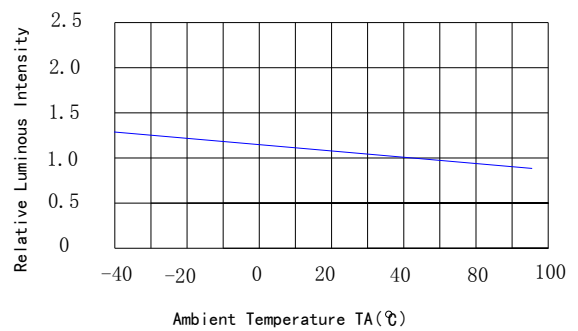
Relative Luminous intensity vs Forward current



Forward Current Derating Curve

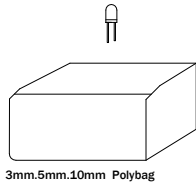


Luminous Intensity Vs. Ambient Temperature



LED LAMP

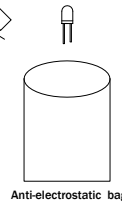
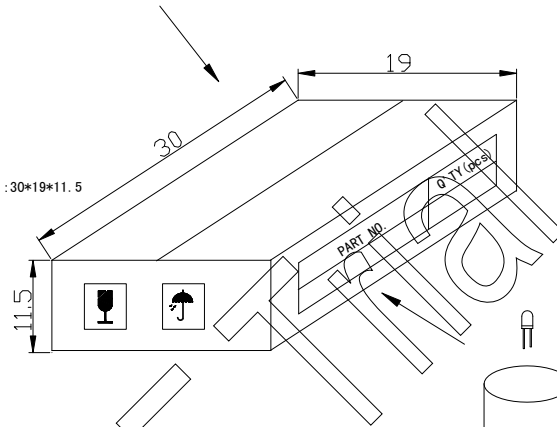
LAMP PACKING.



Label 1



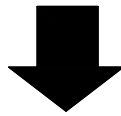
Box
Dimension (cm) : 30*19*11.5



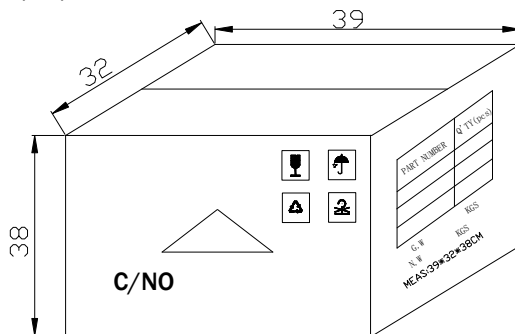
Label 2



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