

OL-5016GD1C- B

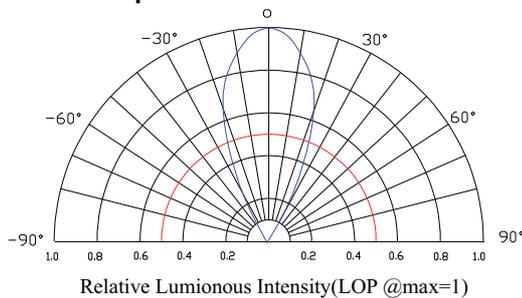
Features:

- General purpose leads
- RoHs compliant.

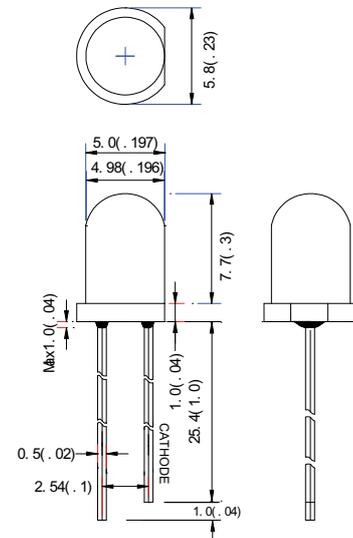
Descriptions:

- Dice material: GaP
- Emitting Color: Green
- Operating voltage range: 3V-10V DC
- Blinking frequency: 2.4Hz (VDD=5V)
- Device Outline: Φ 5mm Round Type.
- Lens Type: Green diffused.

Radiation pattern.



Package configuration



- ◆ All dimensions are millimeters (inches)
- ◆ Tolerance is $\pm 0.25\text{mm}(.010\text{'})$ unless otherwise noted.

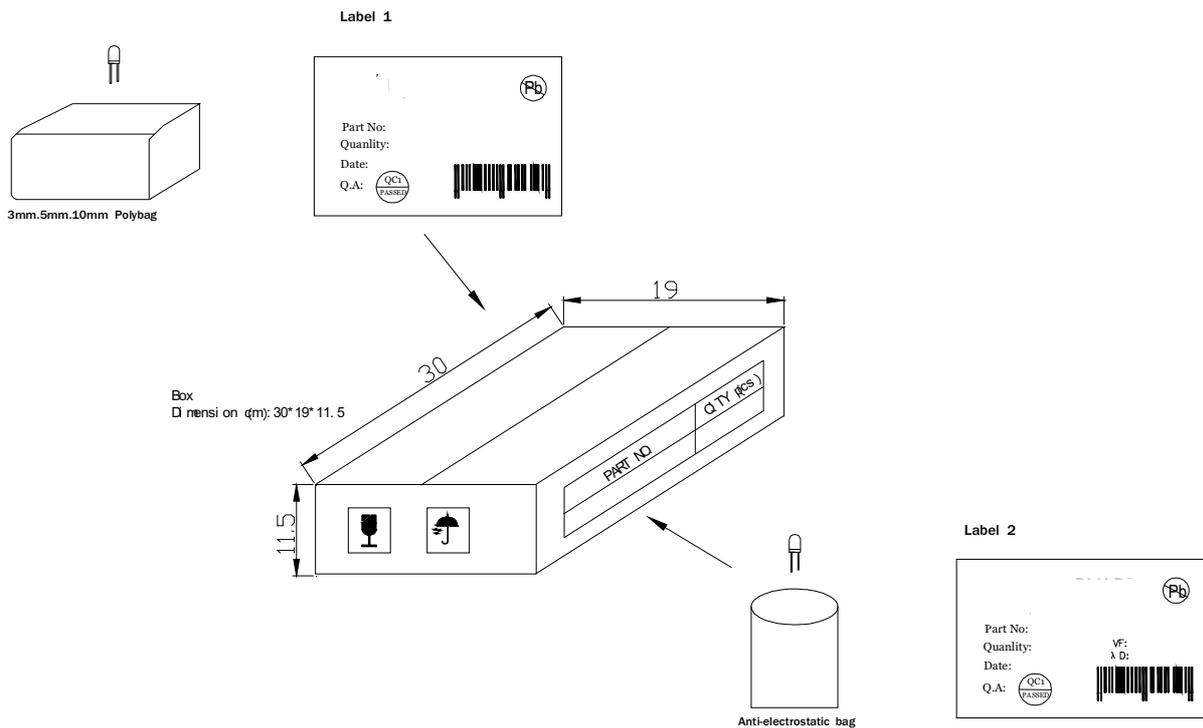
Absolute maximum ratings($T_a=25^\circ\text{C}$)

Parameter	MAX.	Unit
Power Dissipation	180	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	160	mA
Continuous Forward Current	45	mA
Derating Linear From 50 \square	0.4	mA / \square
Reverse Voltage	5	V
Operating Temperature Range	-30 $^\circ$ to +80 $^\circ$	
Storage Temperature Range	-40 $^\circ$ to +100 $^\circ$	
Lead Soldering Temperature[4mm(.157") From Body]	260 $^\circ$ for 5 Seconds	

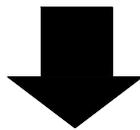
Electrical and optical characteristics($T_a=25^\circ\text{C}$)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v		35			IF=20mA
Viewing Angle	$2\theta_{1/2}$	-	45	-	Deg	
Peak Emission	λ_p	563	568	573	nm	
Dominant Wavelength	λ_d	565	570	575	nm	
Forward Voltage	V _F		7		V	
Output sink Current	I _{sink}	-	45	-	mA	
Output source Current	I _{source}		25			
Blinking Frequency	F _{blk}	2	2.4	2.8	HZ	VDD=5V

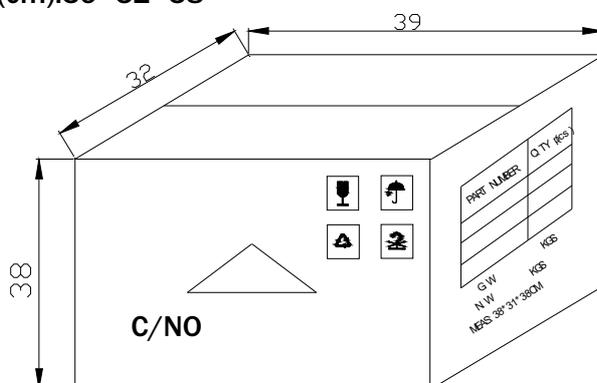
LAMP PACKING.



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