

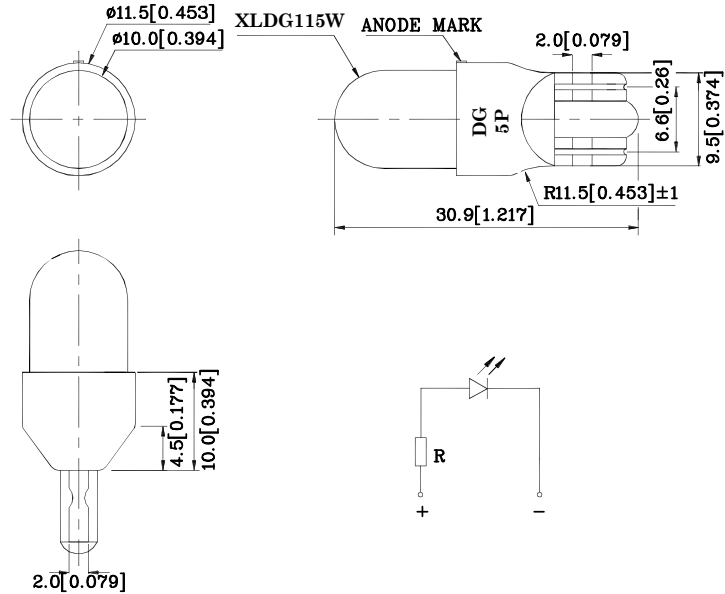
**Features**

- Long life and robust package
- Low power consumption
- Vibration resistant
- 5V internal resistor
- RoHS Compliant



**ATTENTION**  
OBSERVE PRECAUTIONS  
FOR HANDLING  
ELECTROSTATIC  
DISCHARGE  
SENSITIVE  
DEVICES

**Package Schematics**



**Notes:**

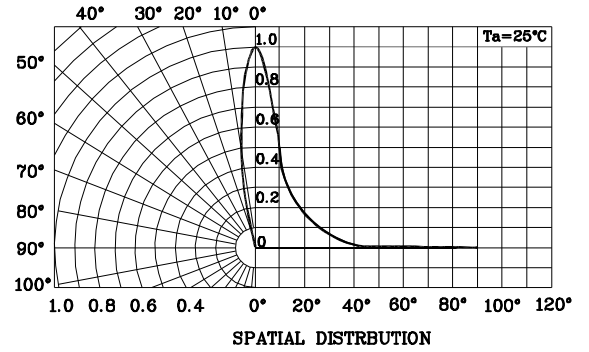
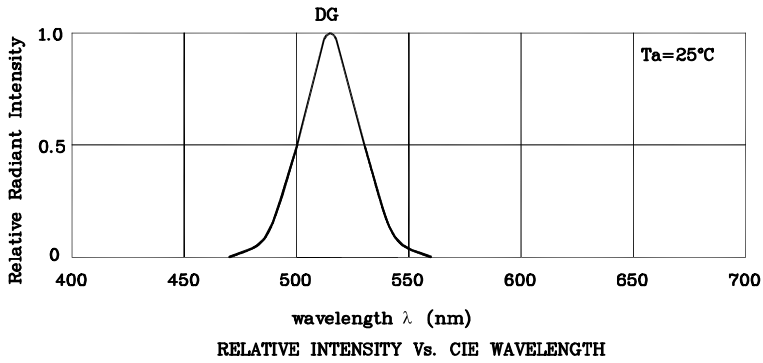
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25$  (0.01") unless otherwise noted.
3. Specifications are subject to change without notice.

Absolute Maximum Ratings ( $T_A=25^\circ\text{C}$ )		DG (InGaN)	Unit
Reverse Voltage	$V_R$	5	V
Forward Voltage	$V_F$	6	V
Power Dissipation	$P_D$	102	mW
Operating Temperature	$T_A$	-40 ~ +70	°C
Storage Temperature	$T_{stg}$	-40 ~ +85	
Electrostatic Discharge Threshold (HBM)		450	v
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 Seconds		
Lead Solder Temperature [5mm Below Package Base]	260°C For 5 Seconds		

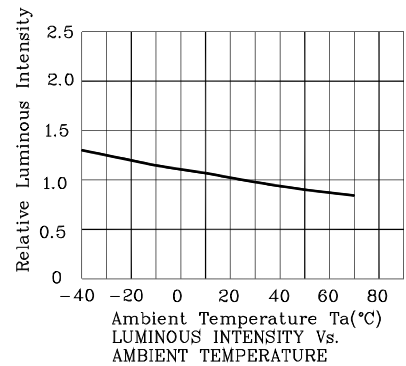
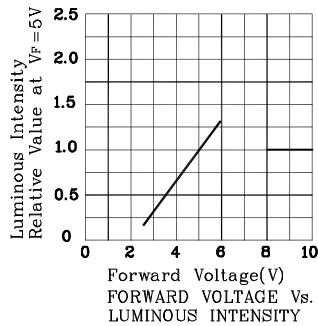
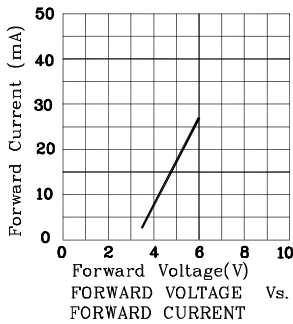
Operating Characteristics ( $T_A=25^\circ\text{C}$ )		DG (InGaN)	Unit
Forward Current (Typ.) ( $V_F=5\text{V}$ )	$I_F$	17	mA
Forward Current (Max.) ( $V_F=5\text{V}$ )	$I_F$	27	mA
Reverse Current (Max.) ( $V_R=5\text{V}$ )	$I_R$	50	uA
Wavelength of Peak Emission CIE127-2007*(Typ.) ( $V_F=5\text{V}$ )	$\lambda_P$	515*	nm
Wavelength of Dominant Emission CIE127-2007*(Typ.) ( $V_F=5\text{V}$ )	$\lambda_D$	525*	nm
Spectral Line Full Width At Half-Maximum (Typ.) ( $V_F=5\text{V}$ )	$\Delta\lambda$	30	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity CIE127-2007* ( $V_F=5\text{V}$ ) mcd		Wavelength CIE127-2007* $\lambda_P$ nm	Viewing Angle 2 $\theta$ 1/2
				min.	typ.		
XYWDG101W5V	Green	InGaN	Water Clear	9000*	13000*	515*	20°

\*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.

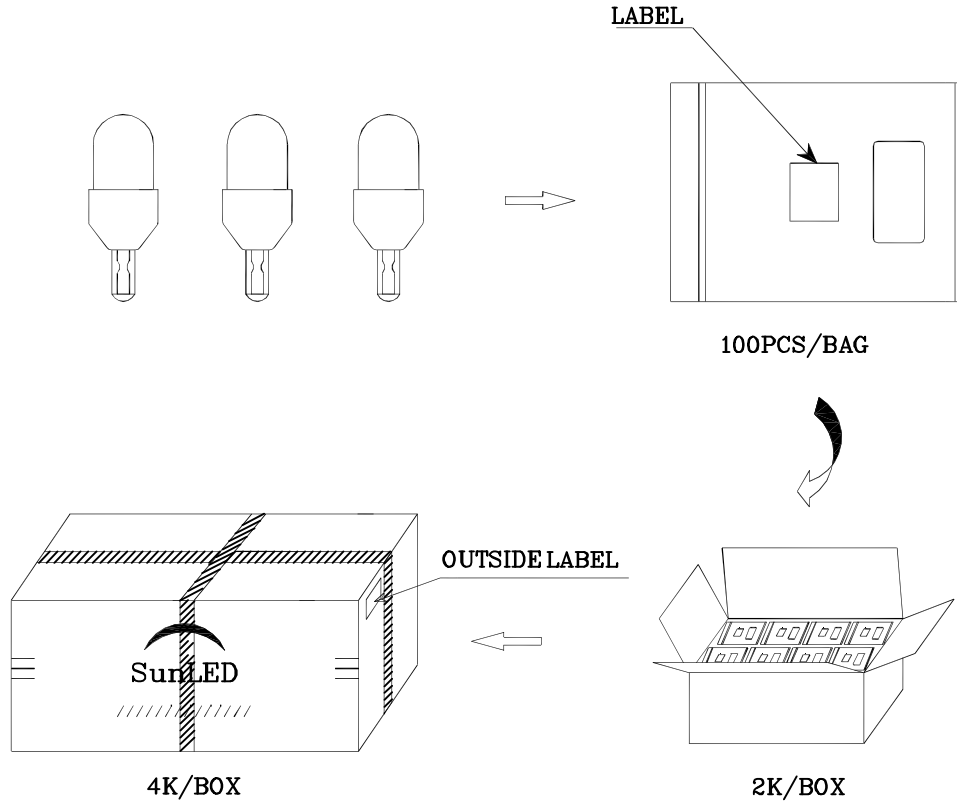



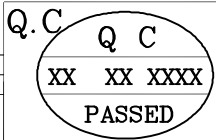

❖ DG





**PACKING & LABEL SPECIFICATIONS**

	
P/N0 : XYWxxx101x	
QTY : 100 pcs	CODE: XXX
S/N : XX	
LOT NO:	
	
RoHS Compliant	