

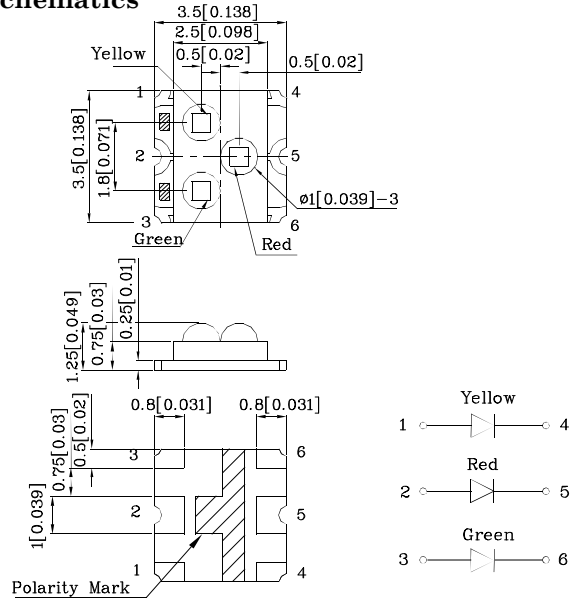
Features

- Ideal for indication light on hand held products
- Long life and robust package
- Standard Package: 2,000pcs/ Reel
- MSL (Moisture Sensitivity Level): 3
- RoHS compliant



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Package Schematics



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.1 (0.004") unless otherwise noted.
3. Specifications are subject to change without notice.

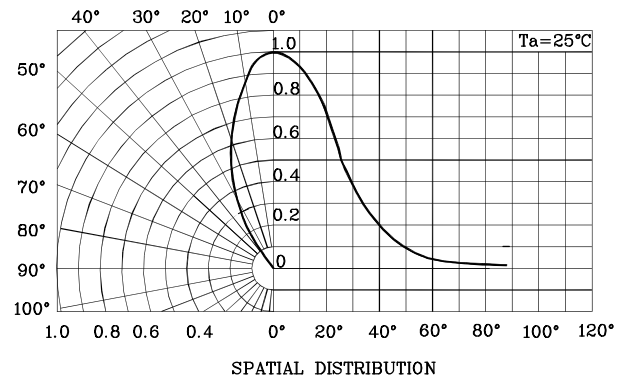
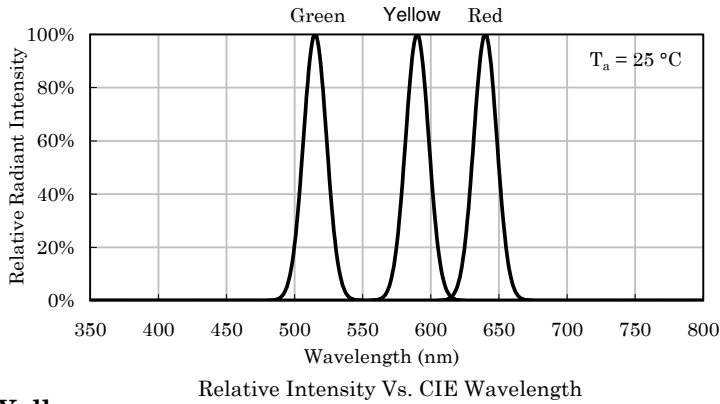
Absolute Maximum Ratings ($T_A=25^\circ\text{C}$)		Yellow (AlGa InP)	Red (AlG InP)	Green (InG aN)	Unit
Reverse Voltage	V_R	5	5	5	V
Forward Current	I_F	30	30	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i_{FS}	140	150	150	mA
Power Dissipation	P_D	75	84	102.5	mW
Electrostatic Discharge Threshold (HBM)		3000	3000	450	V
Operating Temperature	T_A	-40 ~ +85			$^\circ\text{C}$
Storage Temperature	T_{stg}				

Operating Characteristics ($T_A=25^\circ\text{C}$)		Yellow (AlGa InP)	Red (AlGa InP)	Green (InG aN)	Unit
Forward Voltage (Typ.) ($I_F=20\text{mA}$)	V_F	2	2.2	3.3	V
Forward Voltage (Max.) ($I_F=20\text{mA}$)	V_F	2.5	2.8	4.1	V
Reverse Current (Max.) ($V_R=5\text{V}$)	I_R	10	10	50	μA
Wavelength of Peak Emission CIE127-2007*(Typ.) ($I_F=20\text{mA}$)	λ_P	590*	640*	515*	nm
Wavelength of Dominant Emission CIE127-2007*(Typ.) ($I_F=20\text{mA}$)	λ_D	590*	625*	525*	nm
Spectral Line Full Width At Half-Maximum (Typ.) ($I_F=20\text{mA}$)	$\Delta\lambda$	20	20	30	nm
Capacitance (Typ.) ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	45	27	45	pF

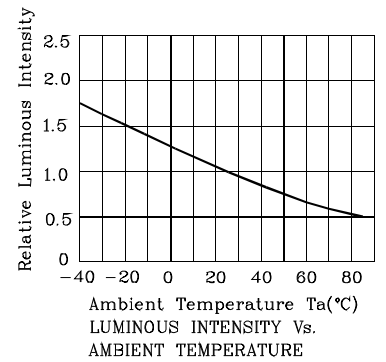
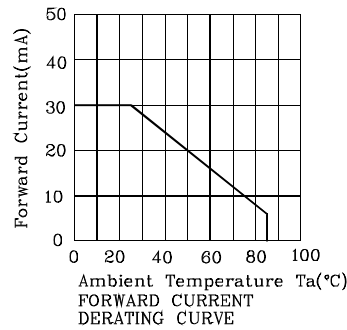
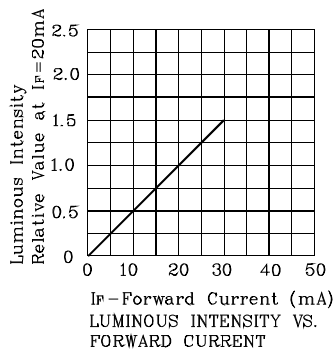
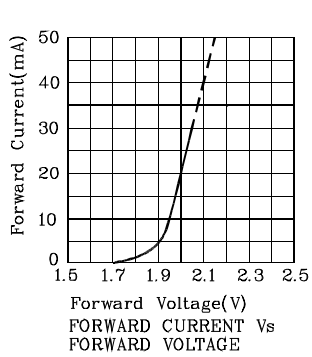
A Relative Humidity between 40% and 60% is recommended in ESD-protected work areas to reduce static build up during assembly process (Reference JEDEC/JESD625-A and JEDEC/J-STD-033)

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity CIE127-2007* ($I_F=20\text{mA}$) mcd		Wavelength CIE127-2007* nm λ_P	Viewing Angle 20 1/2
				min.	typ.		
XZM2CYKCRKDG92W-3	Yellow	AlGaInP	Water Clear	1000	1590	590*	50°
	Red	AlGaInP		2700	3590	640*	
	Green	InGaN		1000	1590	515*	

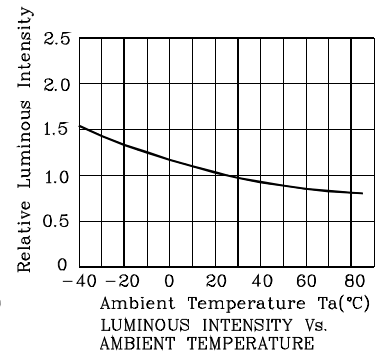
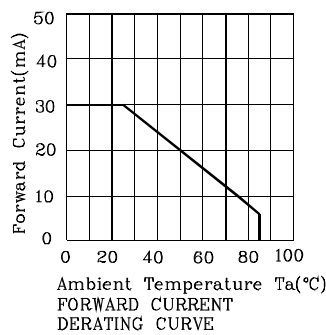
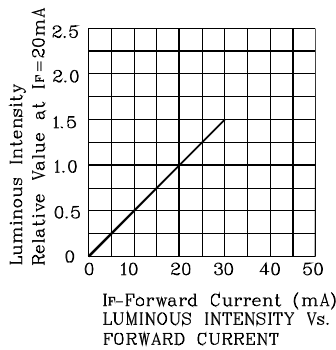
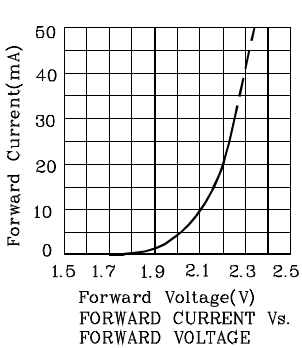
*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.



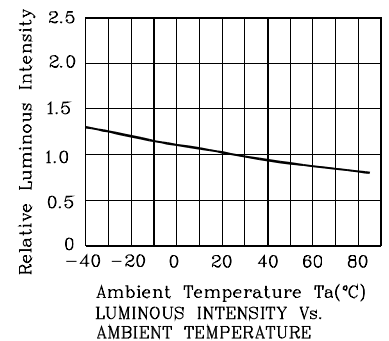
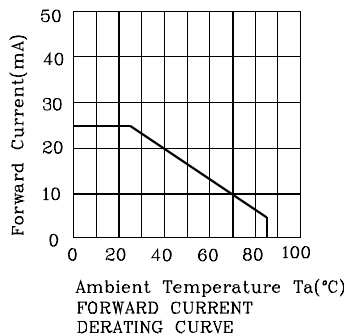
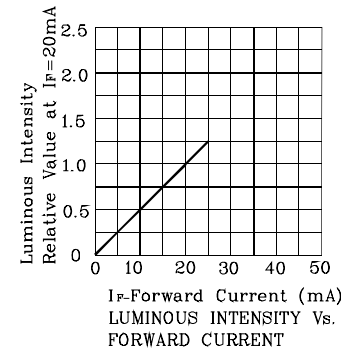
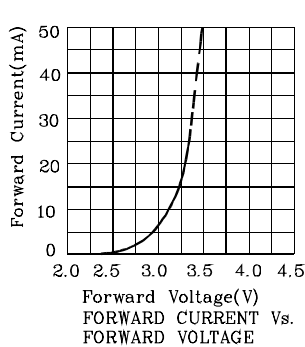
❖ **Yellow**



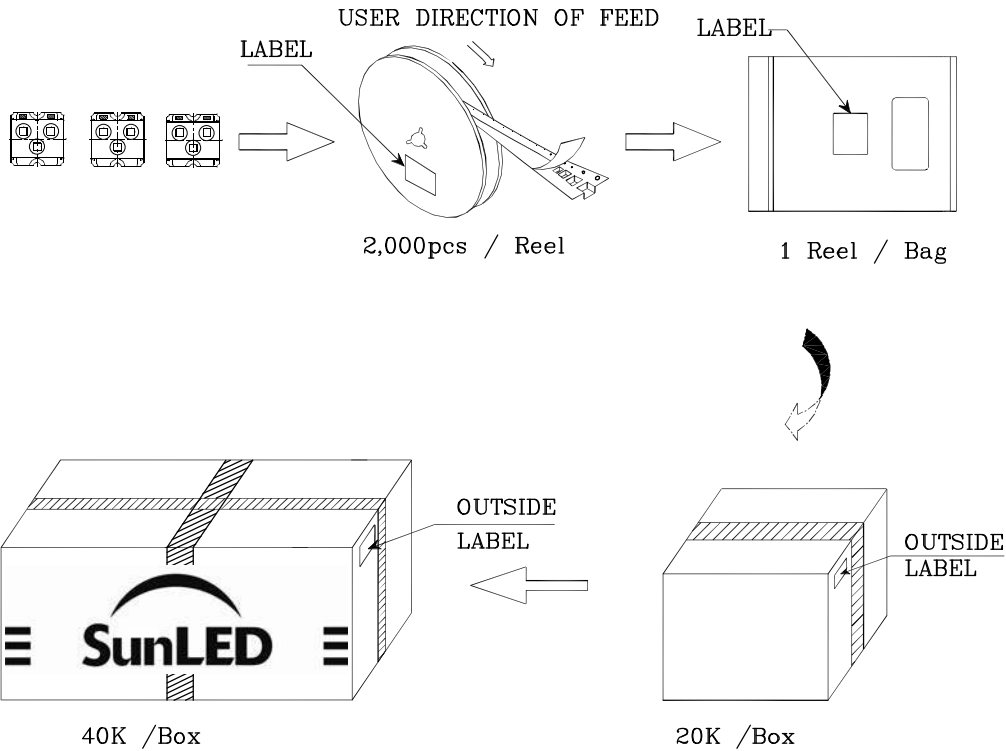
❖ **Red**





❖ **Green**



PACKING & LABEL SPECIFICATIONS



		<table border="1"> <tr> <td>Q.C.</td> <td>Q</td> <td>C</td> </tr> <tr> <td>XX</td> <td>XX</td> <td>XXXX</td> </tr> <tr> <td colspan="3" style="text-align: center;">PASSED</td> </tr> </table>	Q.C.	Q	C	XX	XX	XXXX	PASSED		
Q.C.	Q	C									
XX	XX	XXXX									
PASSED											
P/NO : XZxxx92xx											
QTY : 2,000pcs	CODE: XXX										
S/N : XX											
LOT NO:											
 XXXXXXXXXXXXXXXXXXXXXXXX											
RoHS Compliant											

TERMS OF USE

1. Data presented in this document reflect statistical figures and should be treated as technical reference only.
2. Contents within this document are subject to improvement and enhancement changes without notice.
3. The product(s) in this document are designed to be operated within the electrical and environmental specifications indicated on the datasheet. User accepts full risk and responsibility when operating the product(s) beyond their intended specifications.
4. The product(s) described in this document are intended for electronic applications in which a person's life is not reliant upon the LED. Please consult with a SunLED representative for special applications where the LED may have a direct impact on a person's life.
5. The contents within this document may not be altered without prior consent by SunLED.
6. Additional technical notes are available at <http://www.SunLEDusa.com/TechnicalNotes.asp>