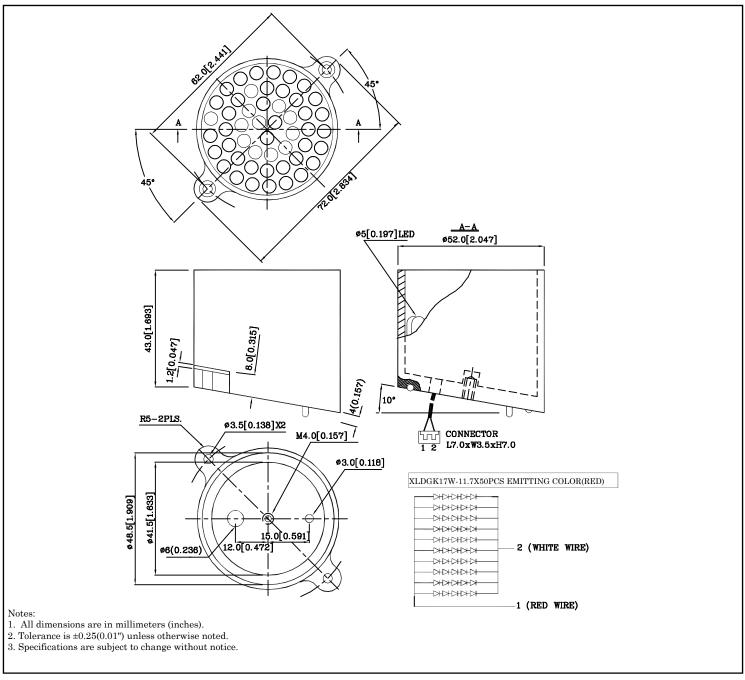


Features

- •Waterproof construction.
- •Suitable for outdoor applications, signboard or message board, etc.
- $\bullet {\rm RoHS}$ compliant.



Package Schematics



Dec 17, 2013



Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Min.	Тур.	Max.	Units	Test Conditions
Iv	Luminous Intensity CIE127-2007*	XK50DGKW89	175000*	244990*	-	mcd	IF=200mA
2 01/2	Viewing Angle		-	40	-	deg	-
VF	Forward Voltage		-	16.5	20.5	V	IF=200mA
λ Ρ	Peak Wavelength CIE127-2007*		-	515*	-	nm	IF=200mA
λ D	Dominant Wavelength CIE127-2007*		-	525*	-	nm	IF=200mA
Δλ 1/2	Spectral Line Half-width		-	35	-	nm	IF=200mA
IR	Reverse Current		-	-	100	uA	$V_R = 5V$

Note:

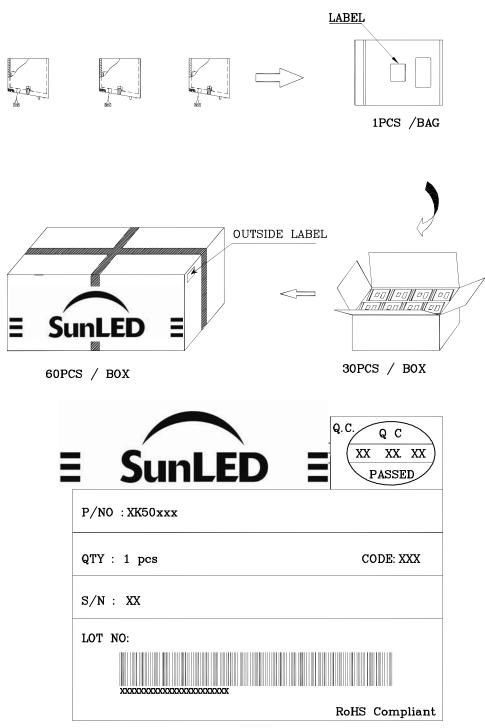
 $* {\rm Luminous}$ intensity value and wavelength are in accordance with CIE127-2007 standards.

Absolute Maximum Ratings at TA=25°C

Parameter	Туре	Units			
Power dissipation	5125	mW			
DC Forward Current	250	mA			
Reverse Voltage	5	V			
Electrostatic Discharge Threshold (HBM)	450	V			
Operating Temperature	-40°C To +70°C				
Storage Temperature	-40°C To +85°C				



PACKING & LABEL SPECIFICATIONS



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.
- $6. \ Additional \ technical \ notes \ are \ available \ at \ \underline{http://www.SunLEDusa.com/TechnicalNotes.asp}$