



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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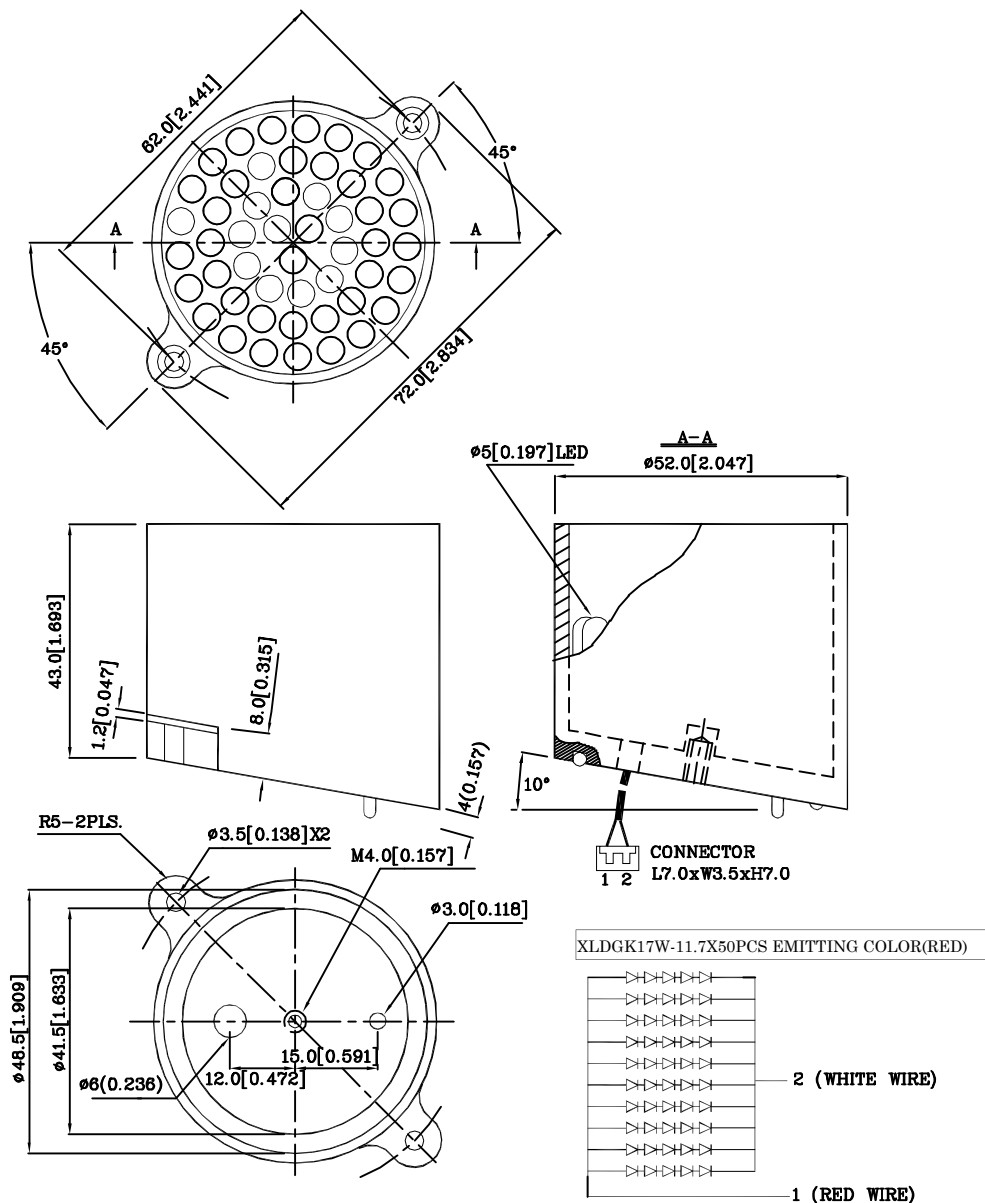


Features

- Waterproof construction.
- Suitable for outdoor applications, signboard or message board, etc.
- RoHS compliant.



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.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Min.	Typ.	Max.	Units	Test Conditions
I _v	Luminous Intensity CIE127-2007*	XK50DGKW89	175000*	244990*	-	mcd	I _F =200mA
2 θ _{1/2}	Viewing Angle		-	40	-	deg	-
V _F	Forward Voltage		-	16.5	20.5	V	I _F =200mA
λ _P	Peak Wavelength CIE127-2007*		-	515*	-	nm	I _F =200mA
λ _D	Dominant Wavelength CIE127-2007*		-	525*	-	nm	I _F =200mA
Δλ _{1/2}	Spectral Line Half-width		-	35	-	nm	I _F =200mA
I _R	Reverse Current		-	-	100	uA	V _R = 5V

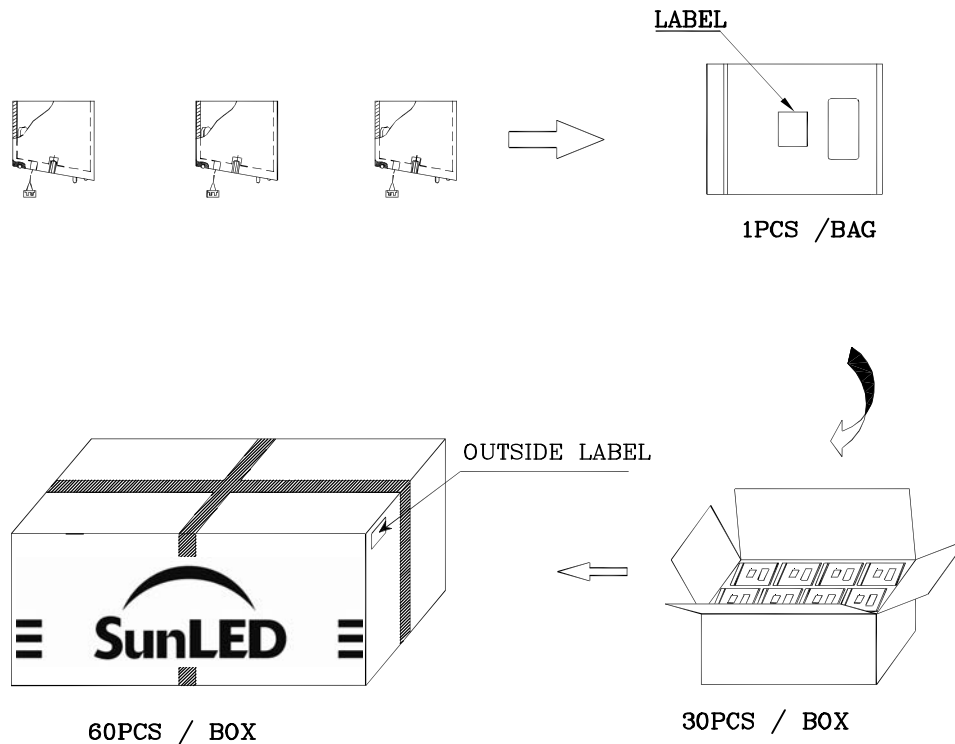
Note:

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

Absolute Maximum Ratings at TA=25°C

Parameter	Type	Units
Power dissipation	5125	mW
DC Forward Current	250	mA
Reverse Voltage	5	V
Electrostatic Discharge Threshold (HBM)	450	V
Operating Temperature	-40°C T ₀ +70°C	
Storage Temperature	-40°C T ₀ +85°C	

PACKING & LABEL SPECIFICATIONS



		Q.C. Q C XX XX XX PASSED
P/NO : XK50xxx		
QTY : 1 pcs		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>