



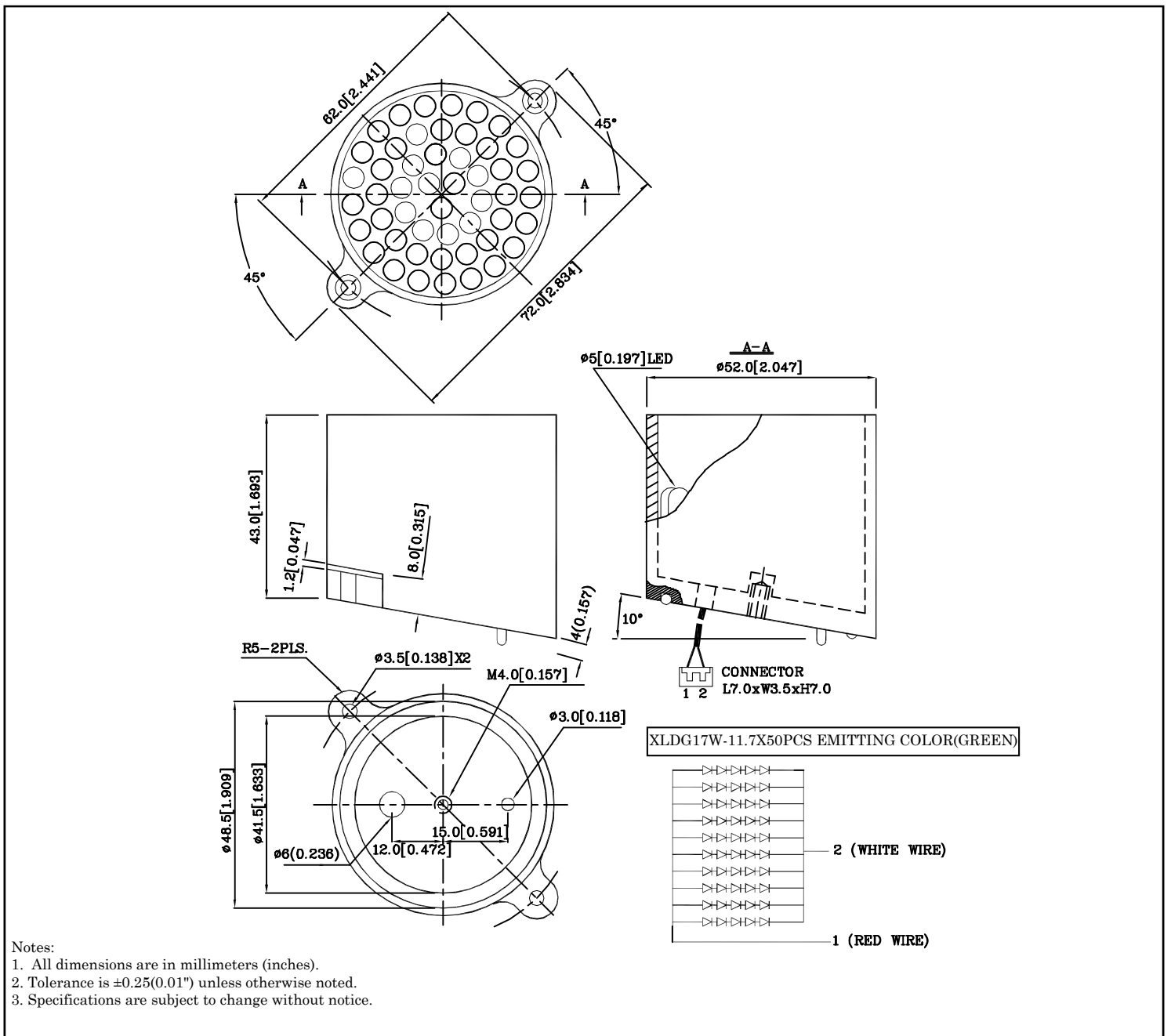
Features

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



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Package Schematics



Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Min	Typ.	Max.	Units	Test Conditions
I _v	Luminous Intensity	XK50DGW89	180000*	250000*	-	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		-	515*	-	nm	I _F =200mA
λ _D	Dominant Wavelength		-	525*	-	nm	I _F =200mA
Δλ _{1/2}	Spectral Line Half-width		-	30	-	nm	I _F =200mA
I _R	Reverse Current		-	-	500	uA	V _R = 5V

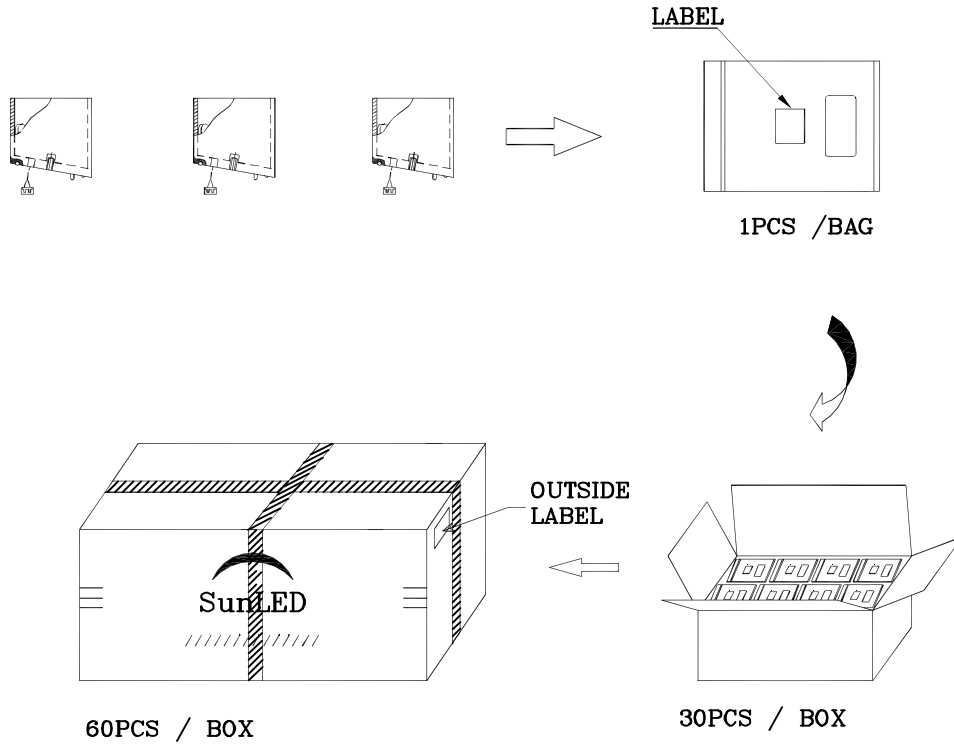
*Luminous intensity value and wavelength are in accordance with CIE127-2007 standards.


Absolute Maximum Ratings at TA=25°C

Parameter	Type	Units
Total Power dissipation	6150	mW
Total DC Forward Current	300	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +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	