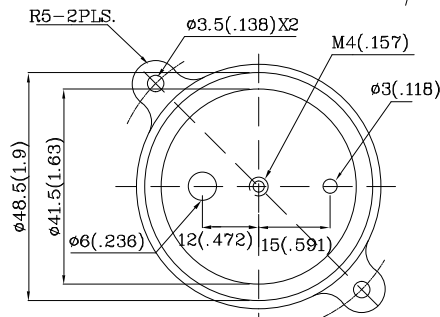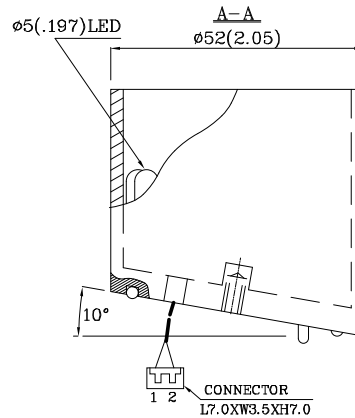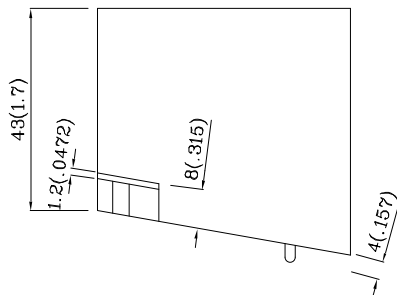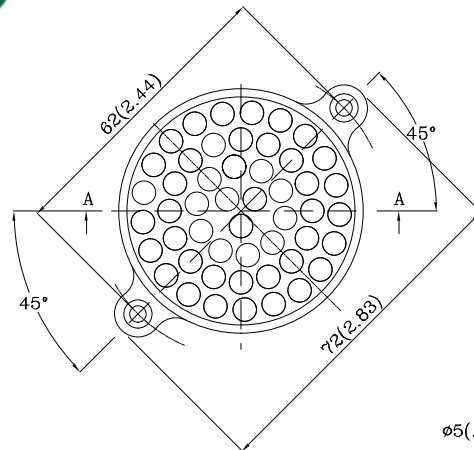## Features

- WATERPROOF CONSTRUCTION.
- SUITABLE FOR OUTDOOR APPLICATIONS, SIGNBOARD OR MESSAGE BOARD, ETC.
- BOTH SINGLE COLOR AND MULTI-COLOR (RED, GREEN & ORANGE) ARE AVAILABLE.
- RoHS COMPLIANT.
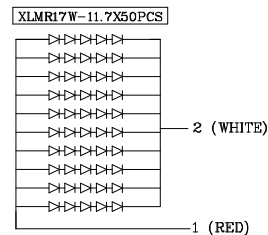
Notes:

1. All dimensions are in millimeters (inches).

2. Tolerance is ± 0.25(0.01") unless otherwise noted.

3. Specifications are subject to change without notice.

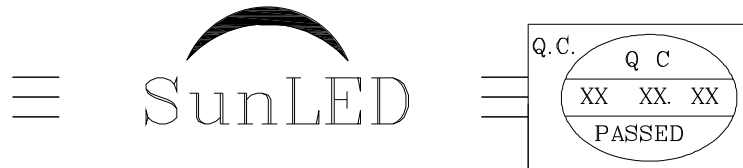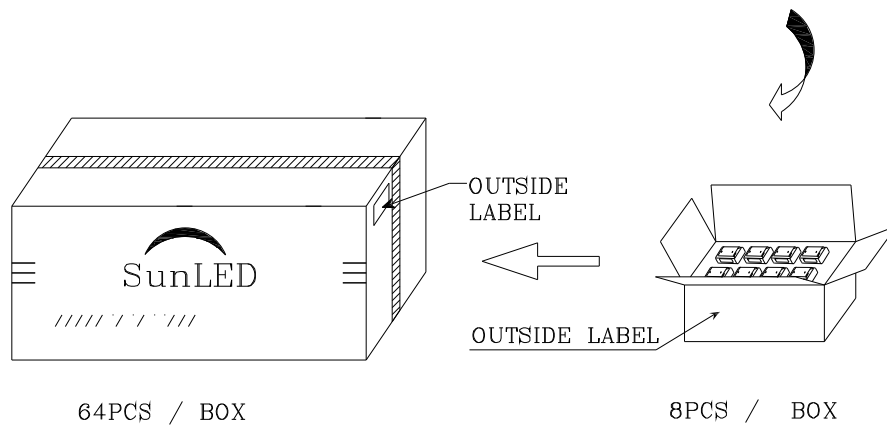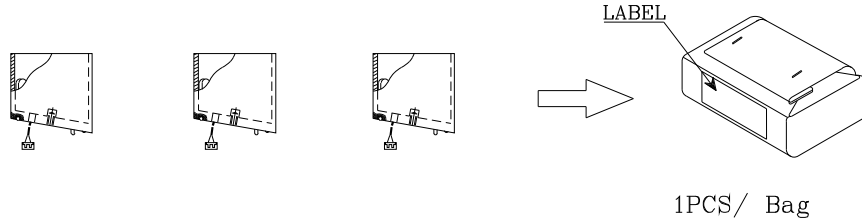## Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Min	Typ.	Max.	Units	Test Conditions
I_V	Luminous Intensity		12000	20990	-	mcd	I_F=200mA
$2\theta_{1/2}$	Viewing Angle		-	40	-	deg	-
V_F	Forward Voltage		-	9.3	12.5	V	I_F=200mA
λ_p	Wavelength of Peak Emission	XK50MRW6	-	660	-	nm	I_F=200mA
λ_D	Wavelength of Dominant Emission		-	640	-	nm	I_F=200mA
$\Delta\lambda_{1/2}$	Spectral Line Full Width At Half-Maximum		-	20	-	nm	I_F=200mA
I_R	Reverse Current		-	-	100	uA	V_R = 5V

Absolute Maximum Ratings at TA=25°C

Parameter	Type	Units
Power Dissipation	2800	mW
DC Forward Current	300	mA
Reverse Voltage	5	V
Operating Temperature	-40°C To +70°C	
Storage Temperature	-40°C To +85°C	

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PACKING & LABEL SPECIFICATIONS　　　　XK50MRW6

LABEL

1PCS／ Bag

OUTSIDE
LABEL

OUTSIDE LABEL

64PCS／BOX

8PCS／BOX

SunLED

Q.C.

Q C

XX　XX. XX

PASSED

P/NO : XK50xxx

QTY : 1pcs　　　　　　　　　　　　CODE: XXX

S/N : XX

LOT NO:

xxxxxxxxxxxxxxxxxxxxxxxxx

RoHS Compliant