



LUMEN[®]
LED LIGHTING ARTIST

Shenzhen Lumen Optoelectronic Co., Ltd



LED SCREWLESS PANEL

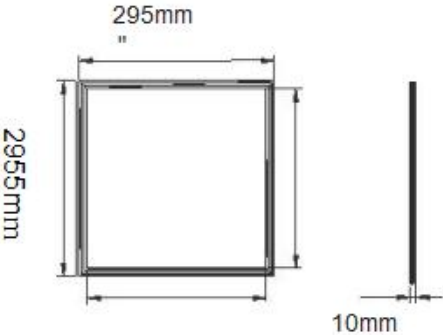
Your Smart Choice



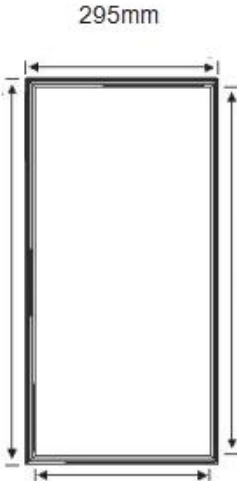
Professional LED Panel Light Manufacturer

DIMENSIONS

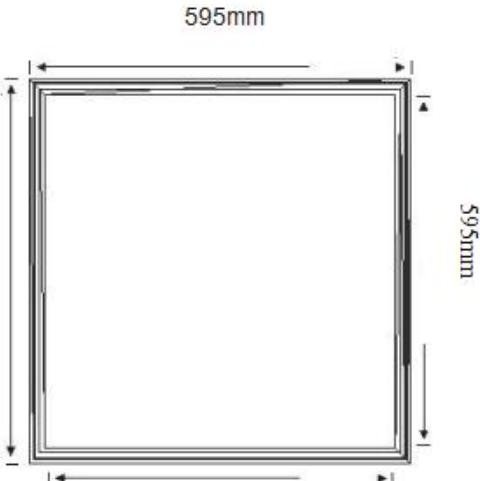
LMPL-S3030



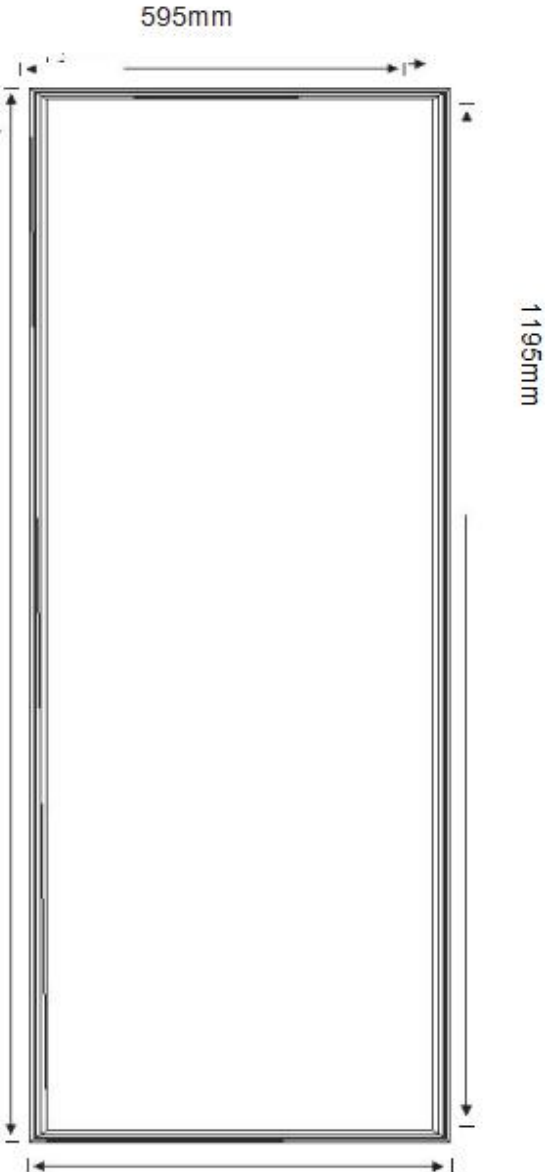
LMPL-S3060



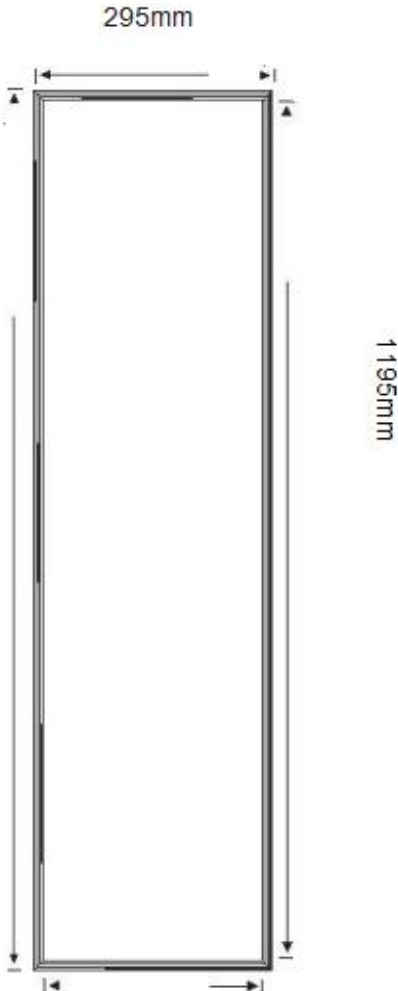
LMPL-S6060



LMPL-S60120



LMPL-S30120



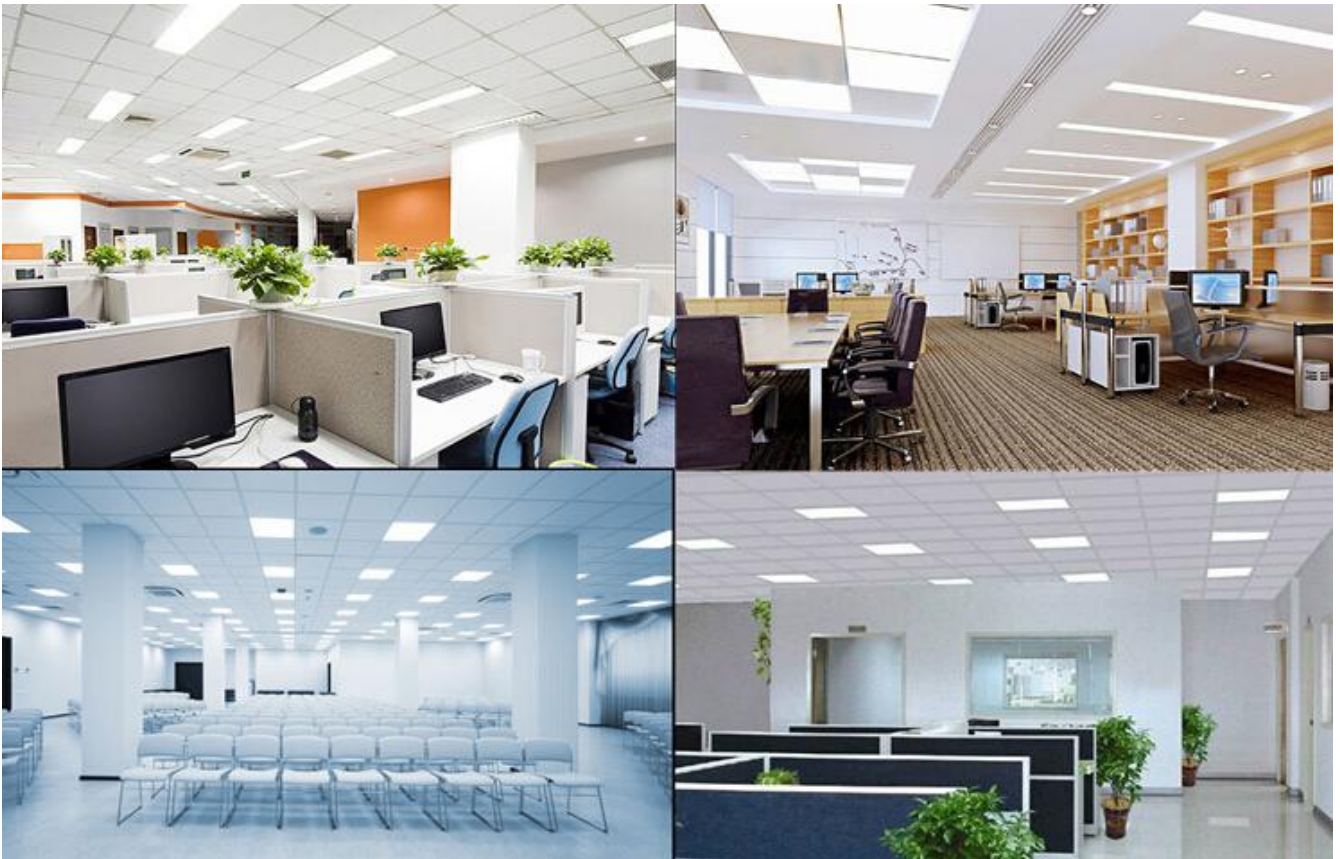
SPECIFICATIONS

Basic specifications

Part NO.	595*595*10mm		295*1195*10mm		595*1195*10mm	
Input Voltage	AC100-240V, 50/60Hz					
Power	36W	48W	36W	40W	72W	80W
Input Current	960 mA±5%	1200 mA±5%	960 mA±5%	960 mA±5%	1600 mA±5%	1600 mA±5%
LED Quantities	192 pcs	240 pcs	192 pcs	192 pcs	384 pcs	384 pcs
Luminous Flux (Lm)	>3300	>4300	>3300	>3600	>6500	>7200
LED Brand	Taiwan Epistar SMD 2835					
Power Factor	>0.9					
Color Render Index	>80					
Luminaire Efficiency	>90 Lm/W					
CCT.	2700K, 4000K, 5000K					
Beam Angle	120°					
Warranty	3~5years					
IP Grade	IP44					

APPLICATIONS

1. Hotels;
2. Meeting Rooms;
3. Factories or offices;
4. Commercial lightings;
5. Residential or public facilities;
6. Schools;
7. Everywhere for energy-saving.



36W LED

50,000 hours life

5 year warranty

PANEL 600MM×600MM



PERFORMANCE DATA

Input Power(W)	36
Lifespan(Hrs)	50000Hrs
CCT(K)	3000/4000/5000
CRI(Ra)	80

PART NO.	LUMENS	CCT
LMPL-36-WW	3200	3000K
LMPL-36-N	3300	4000K
LMPL-36-W	3400	5000K

PHYSICAL DATA

Dimensions(mm)	595×595×10
IP Rating	IP44

48W LED

50,000 hours life

5 year warranty

PANEL 600MM×600MM



PERFORMANCE DATA

Input Power(W)	48
Lifespan(Hrs)	50000Hrs
CCT(K)	3000/4000/5000
CRI(Ra)	80

PART NO.	LUMENS	CCT
LMPL-48-WW	4300	3000K
LMPL-48-N	4400	4000K
LMPL-48-W	4500	5000K

PHYSICAL DATA

Dimensions(mm)	595×595×10
IP Rating	IP44

72W LED

50,000 hours life

5 year warranty

PANEL 595MM×1195MM



PERFORMANCE DATA

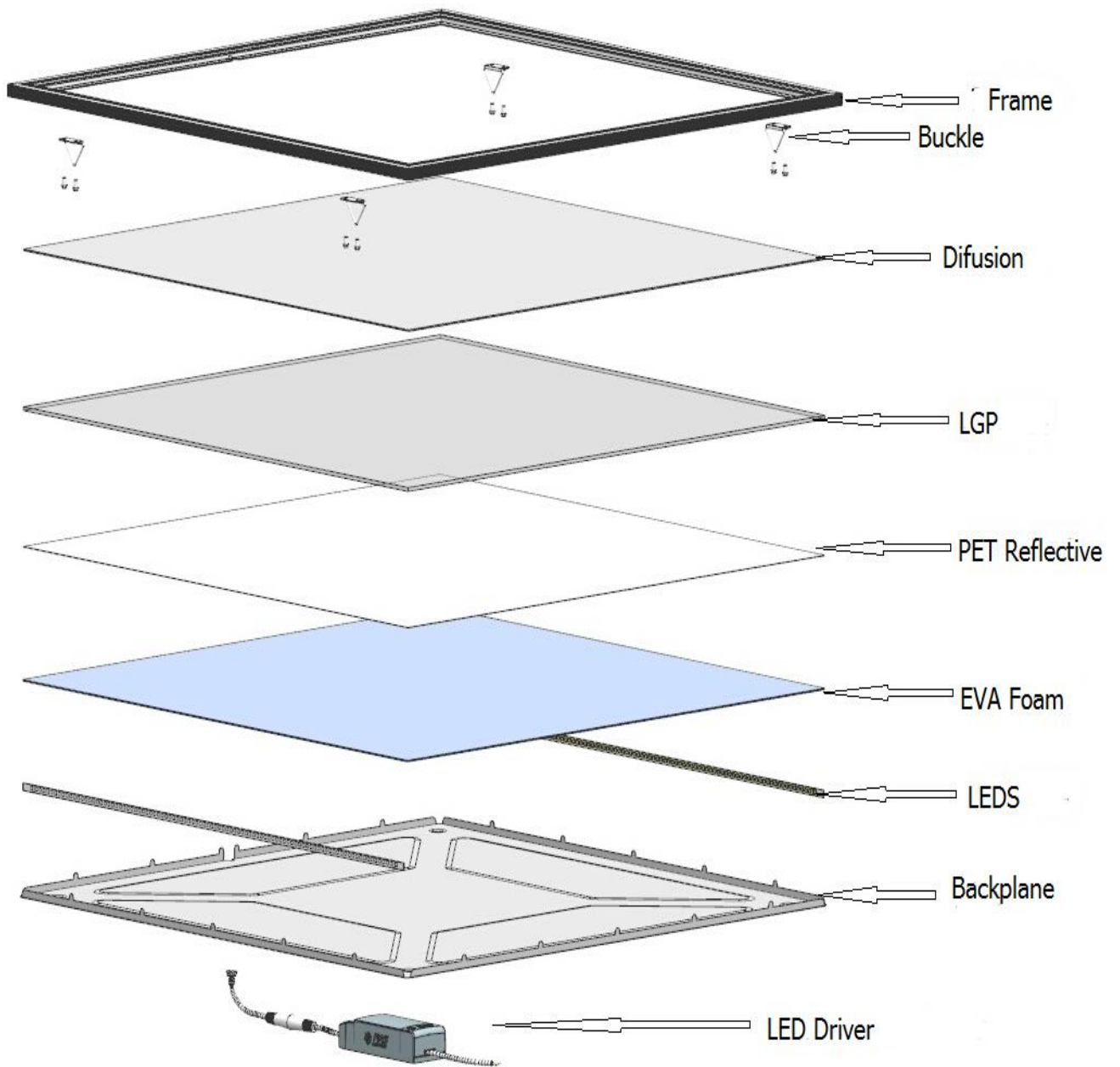
Input Power(W)	72
Lifespan(Hrs)	50000Hrs
CCT(K)	3000/4000/5000
CRI(Ra)	80

PART NO.	LUMENS	CCT
LMPL-72-WW	5000	3000K
LMPL-72-N	5300	4000K
LMPL-72-W	5500	5000K

PHYSICAL DATA

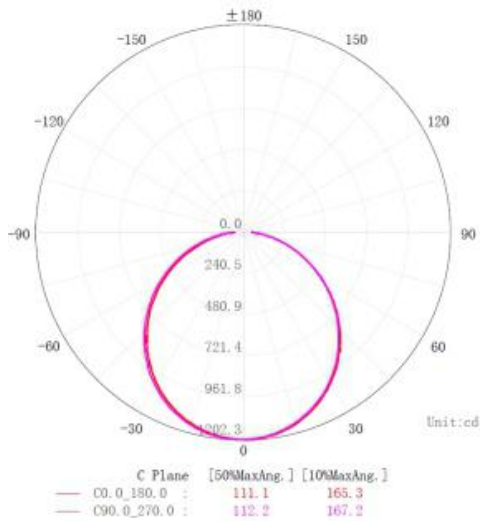
Dimensions(mm)	595×1195×10
IP Rating	IP44

EXPLODED VIEW

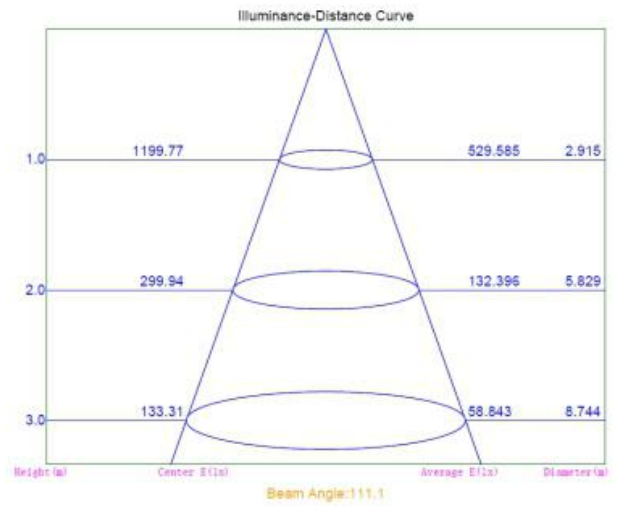


LIGHT SOURCE TEST REPORT

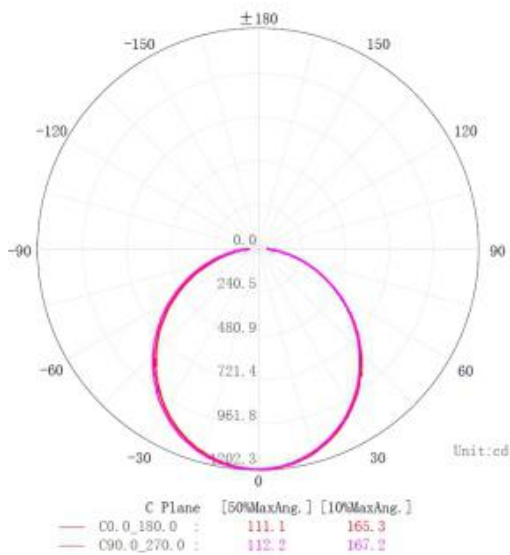
36W-Light distribution curve drawing



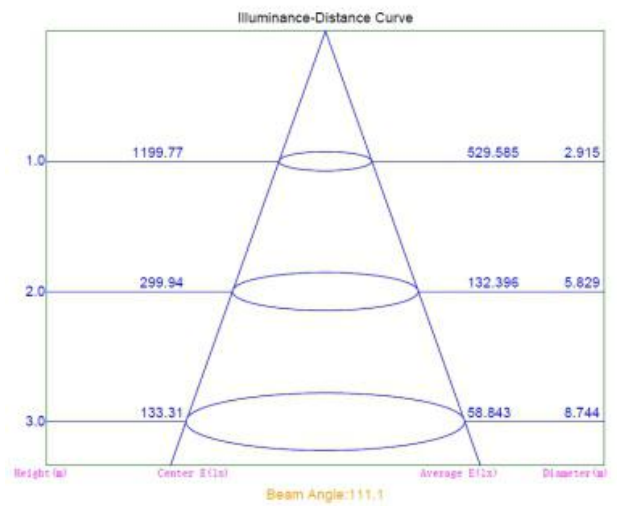
36W-Lumination Distribution Drawing



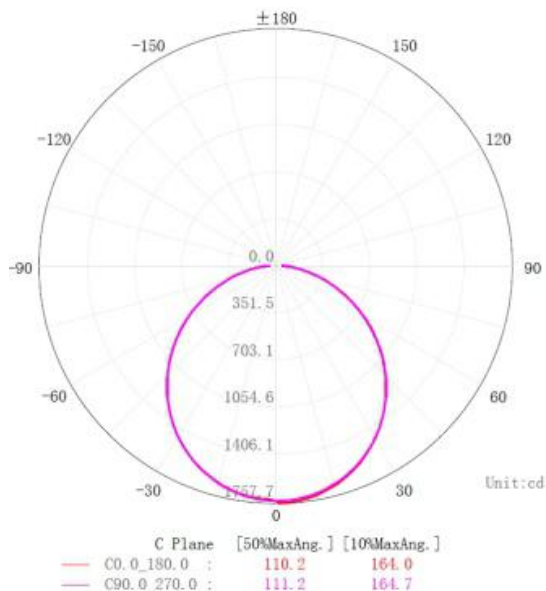
38W-Light distribution curve drawing



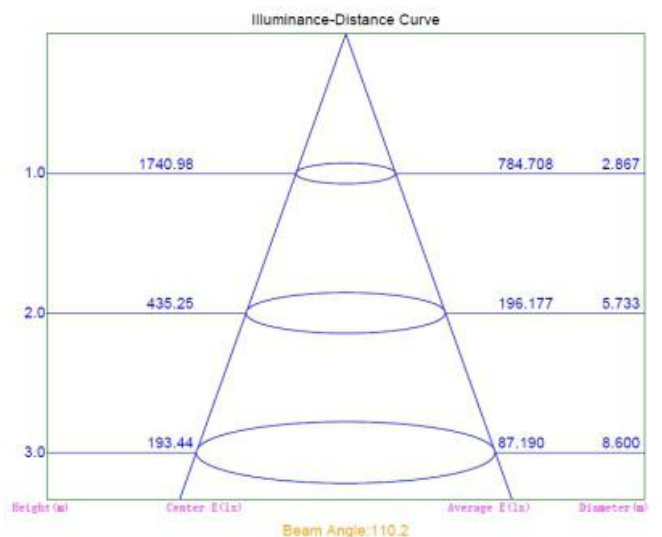
38W-Lumination Distribution Drawing



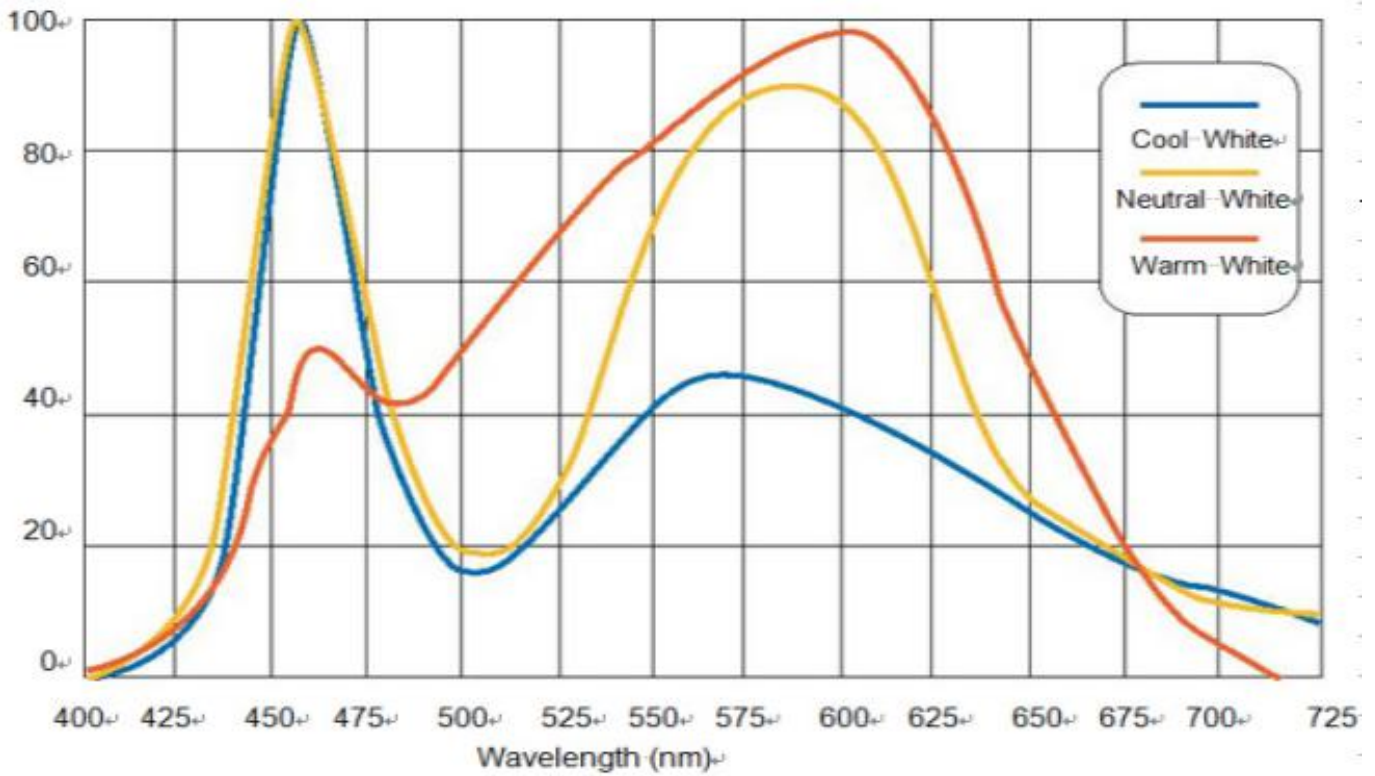
72W-Light distribution curve drawing



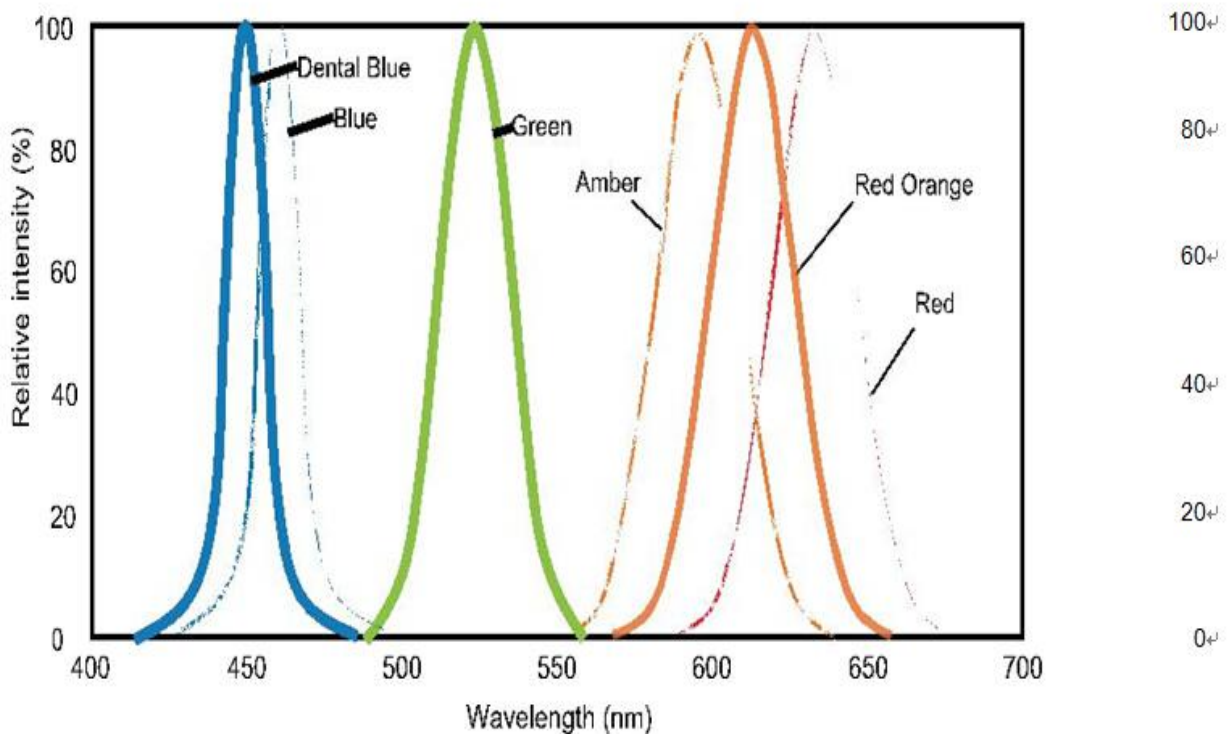
72W-Lumination Distribution Drawing



SPECTRUM

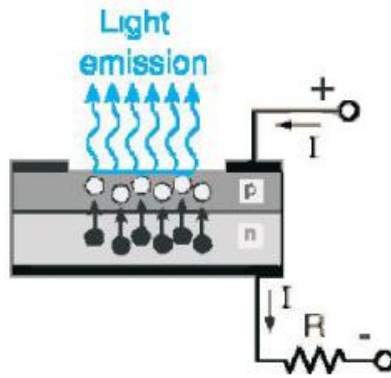


Cool-White, neutral-white and warm white color spectrum at $T=25^{\circ}\text{C}$.



Red, Amber, True Green, Blue, Dental Blue color spectrum at $T_j=25^{\circ}\text{C}$.

LED CHIP LM80



LED Performance	Factors
LED light output	Chip Size Current Heat
LED life hours	Chip Size Current
LED CRI	Phosphor

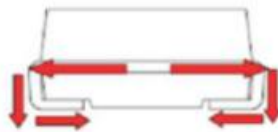
*Larger chip size, better heat dissipation, better phosphor, the appropriate current, will allow longer LED life.

SMD LED



2835 SMD

Normal LED Package



Package : 160 deg/w

2835 Heat Sink Package



Package : 45 deg/w

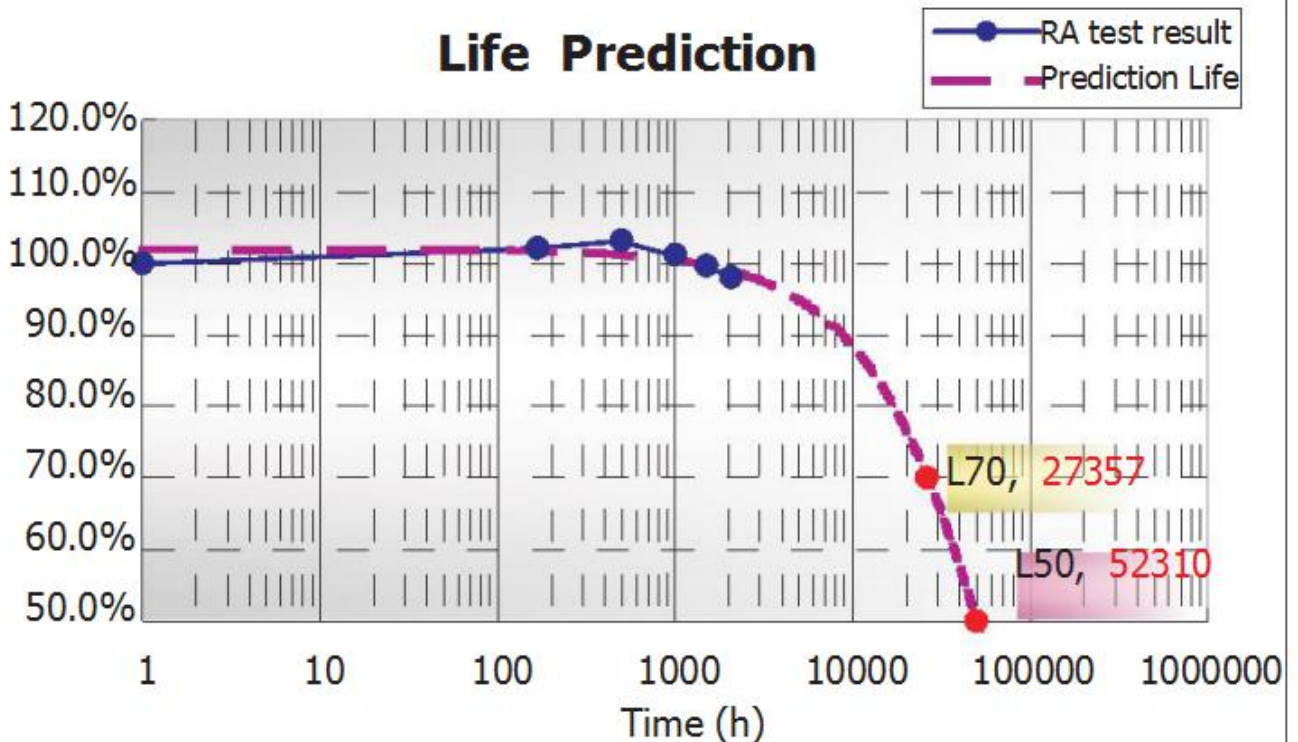
5630 Package

Chip Brand	Epistar/SANAN
Lumen/Current	25lm/60ma
Solder Temperature	50 °C
Humidity	60% RH

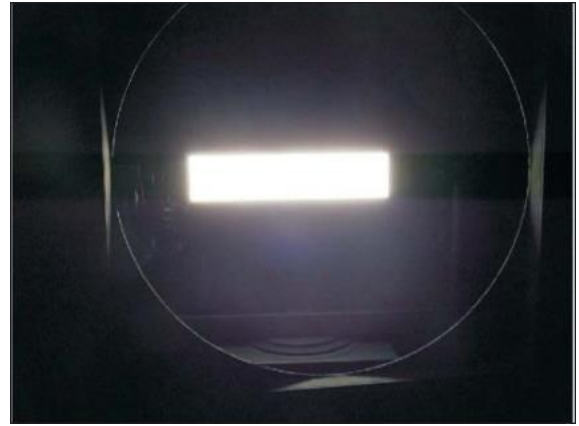
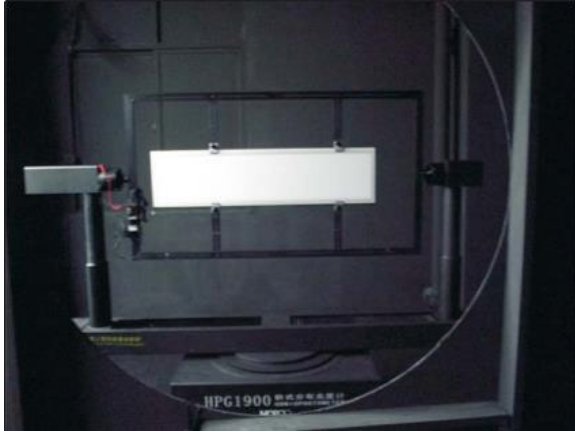
Heat radiation system is much better for the 2835 "Heat Sink Package" than any other led, 3020 3528 5050 etc. @30mA.

Specifications - 2.8mm x 3.5mm x 1mm, industry standard foot print, high efficiency, PB-free, 120degree viewing angle. Luminous Intensity that uses - 25lm @ 60mA.

Life Prediction

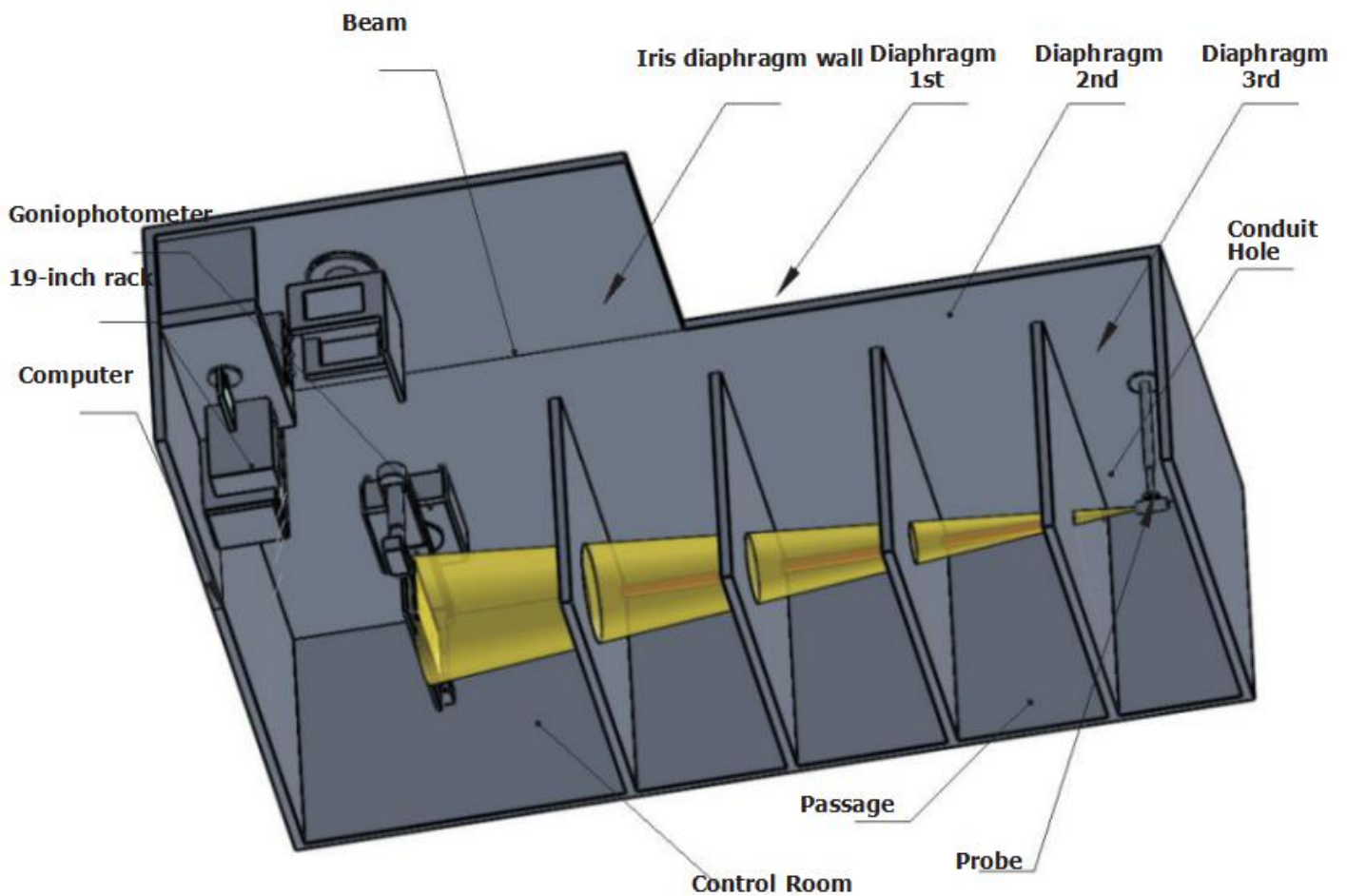


IES FILES



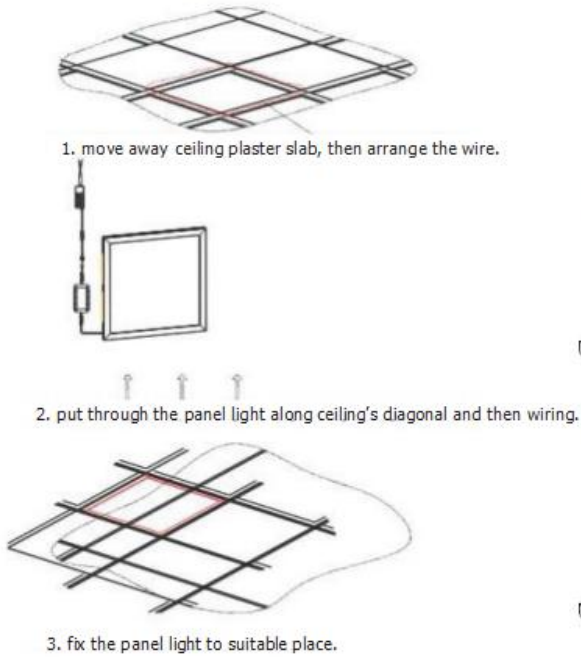
Goniophotometer

Goniophotometers can measure all types of lighting sources and luminaires including all kinds of lamps , indoor and outdoor luminaires, and floor lights of all kinds on C- γ plan and B- β plan, with high accuracy. IESNA files output and match international universal lighting design software, meets the requirement CIE and IESNA standard.

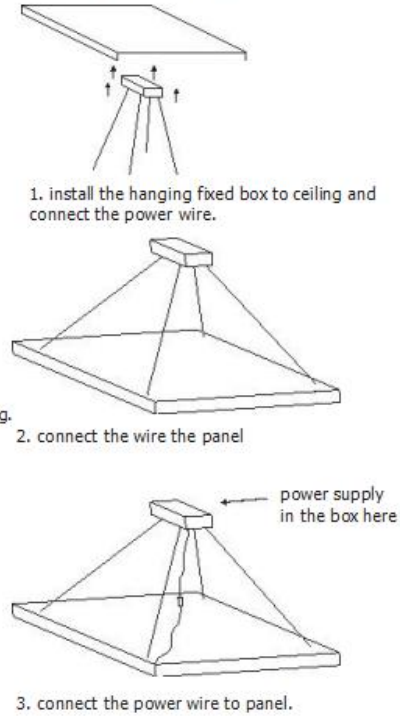


INSTALLATION

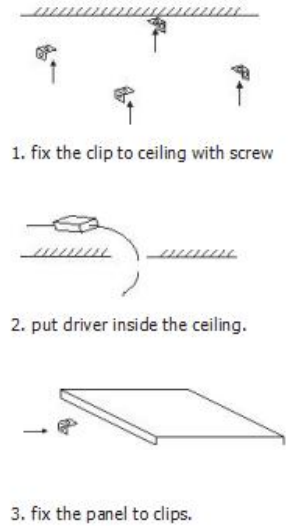
schematic diagram for embedded installation



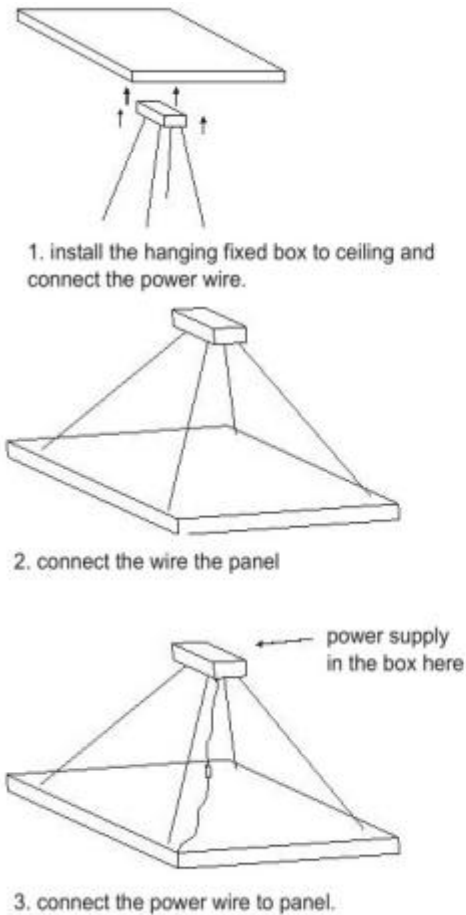
schematic diagram for hanging installation



schematic diagram for ceiling installation

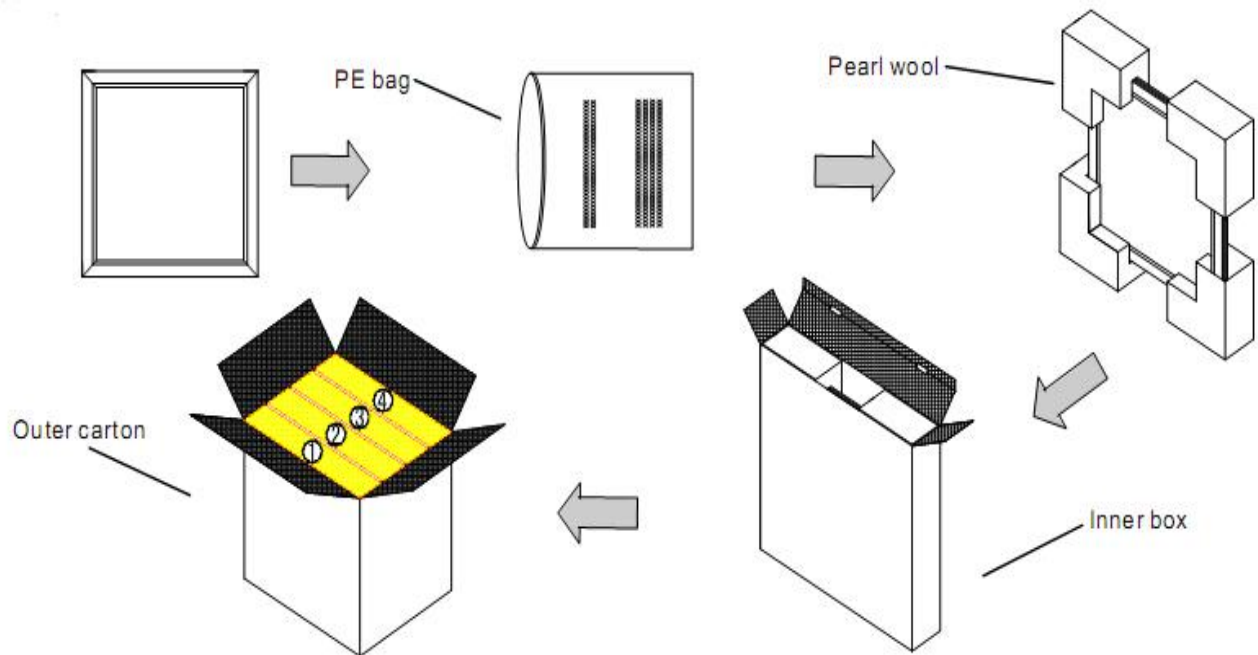


Schematic Diagram for Hanging Installation



the max hanging height is 1.2m

PACKING DETAILS AND WEIGHT



NO.	Part NO.	N.W	Inner Box Dimension	G.W	QTY/CTN	Outer Carton Dimension
1	18w	1.3kg	370*52*670mm	9kg	5 pcs	385*235*390mm
2	36w	4.4kg	670*52*670	24kg	5 pcs	685*235*690mm
3	48w	4.4kg	670*52*670	24kg	5 pcs	685*235*690mm
4	72w	12kg	1270*52*670mm	26kg	5 pcs	1285*235*690mm

STORAGE INFORMATIONS

STORAGE CONDITION

一、 Before opening the package:

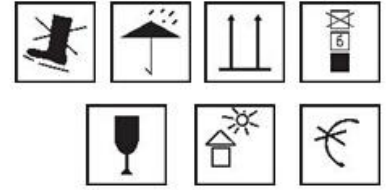
The LEDs should be kept at 30 °C or less and 70%RH or less. The LEDs should be used within a year. When storing the LEDs, moisture proof packaging with absorbent material (silica gel) is recommended.

二、 After opening the package:

The LEDs should be kept at 30C or less and 50%RH or less. If unused LEDs remain, they should be stored in moisture proof packages, such as sealed containers with packages of moisture absorbent material (silica gel). It is also recommended to return the LEDs to the original moisture proof bag and to reseal the moisture proof bag again.

SAFETY INFORMATION

- 1.The components can not be mechanically pressed.
2. Correct electrical polarity needs to be observed.
3. Ensure the power is adapt to operate the total load.
4. Installation must not damage the conducting paths on the circuit board.
5. Parallel connection is highly required as safe electrical operation mode.
6. Pay attention to ESD precautions during assembling.
7. Assembly of LED modules includes power supplier must be appropriately.
8. When installing on metallic or other surface, an electrical isolation point between strip and the installing surface is recommended.
9. Only qualified person allowed to operate installations.
- 10.Damaged by corrosion will not be materials defect claim. It is the user's responsibility to provide a suitable protection against moisture, condensation and other harmful elements.



MAINTENANCE

1. Before to clean the panel lights, please make sure it have been powered off.
2. Use a dry or slightly moistened cloth for cleaning.
3. Never use any chemicals or abrasives for cleaning

Shenzhen Lumen Optoelectronic Co.,Ltd

Tel: +86 (0)755 29102385

Fax: +86 (0)755 85279930

E-mail: info@lumenopto.com

Website: www.lumenopto.com

ADD: Building B, No.B8, 1st Road, 1st Industrial Park Baihuadong, Guangming New District Shenzhen, China,
Postal Code: 518107.