

Updated at 05-2018



LED Panel

3 YEAR
WARRANTY

LM80

EN62471



CB

CE

RoHS
COMPLIANT



Our features



1

145 lm/W



Remarkable light efficiency

With the Panel 60x60cm you realize more than 60% energy savings compared to a classic 4x18W T8 Luminaire.

2

80 000 h
(L80B30)

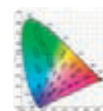


Exceptional lifetime

The choice of a high-performance LED (brand Samsung or HONGLI), which have passed LM-80 test and will use only 30% of the rated current to drive, can make the best heat dissipation and allow Panel Light to display a lifetime of 80000h(L80B30). After 80000h, the panel light will have more than 70% of its initial flow: one Investment.

3

< 6 SDCM



Constant color temperature

LEDs are selected in a single SDCM BIN In order to guarantee a homogeneity of color on the entire panel light. All these luminaires LEDs have an imperceptible color variation to the eye

4

UGR < 20



Visual Comfort

Designed to emit homogeneous lighting respecting comfort users. UGR less than 19 for the entire range (in accordance with the EN 12 464-1).



Innovation Delivers Value

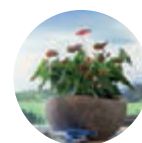
5 No UV, no IR



Photobiological safety

Photobiological safety (UV, IR, Blue Light, etc.) complies with the IEC/EN62471 standard

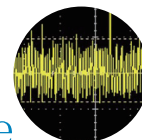
6 CRI 82



Excellent color rendering

With an CRI of 82, you get a 82 faithful colors. Particularly suited for Office lighting.

7 Flicker Free



Low ripple LED driver

The ripple of LED driver is controlled below 300mV, which makes the panel light realize flicker free. (Non-professional tools: take photos with digital camera, the light does not flicker)

8 Dimmable



Dimming options

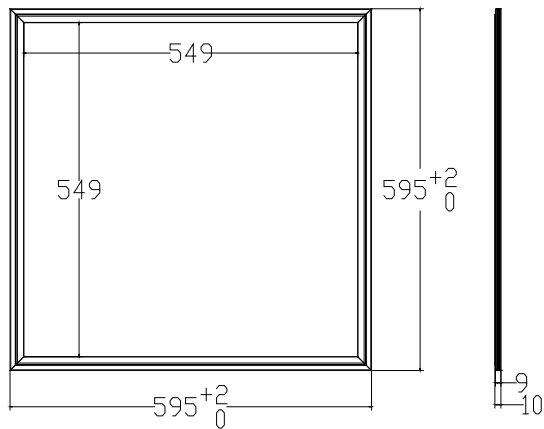
DALI, RF 2.4G, 3 in 1 dimming(0/1-10V, PWM, Rx).

9 CCT

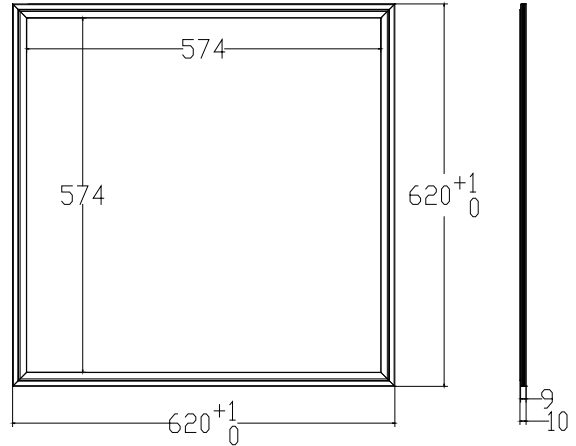


CCT + Dimming options

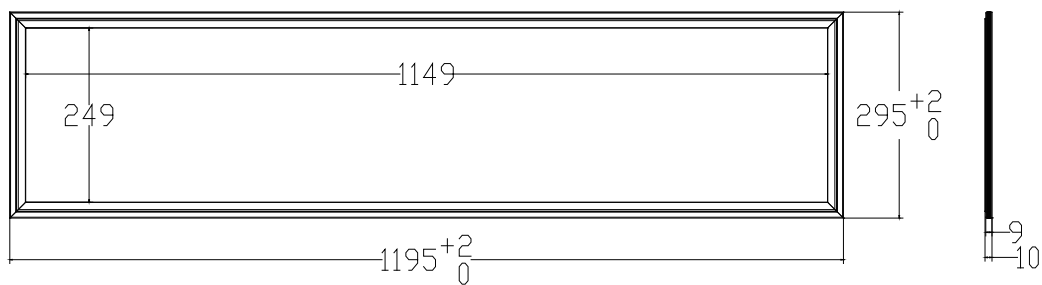
The color temperature(3000K-6500K) and light brightness(0-100%) can be adjusted with personal preference, and can be grouped control, 2.4GHz RF remote control, WiFi mobile phone APP control.



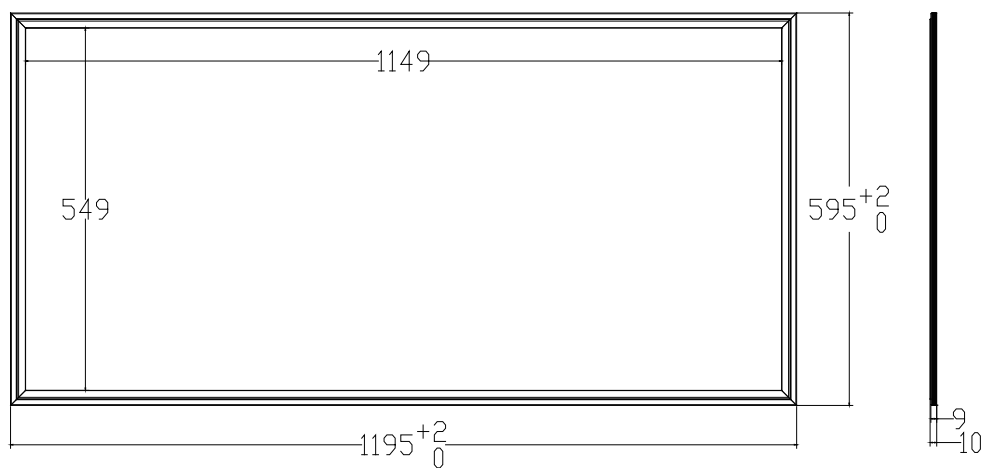
595*595*10mm Typical Power 40W



620*620*10mm Typical Power 40W



1195*295*10mm Typical Power 40W



1195*595*10mm Typical Power 60W 72W



1495*595*10mm Typical Power 40W



Ordering Guide

Model No.	Size (mm)	Watts	Efficiency	CCT	CRI	Powre	Beam angle	IP	SDCM	LGP
LM-P66-36WH3-xxK	595*595*10	30W (±2)	130lm/w	4000K 5000K 6500K	>80	100-277VAC 50~60Hz PF>0.9 THD<15%	110°	IP20	<6	PMMA 3T

Model No.	Size	Watts	Efficiency	CCT	CRI	Powre	Beam angle	IP	SDCM	LGP
LM-P66C-36W	595*595*8mm	40W (±2)	120lm/w	3000K	>80	220-240VAC 50~60Hz PF>0.9	110° /UGR19	IP20	<6	PMMA 2T
LM-P66C-36WH			120lm/w	4000K 5000K						
LM-P1203C-36W	1195*295*8mm			6000K						



Ordering Guide

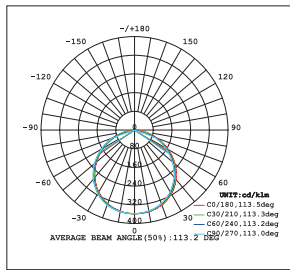
100lm/w(±5%)

Model No.	Size (mm)	Watts	Efficiency	CCT	CRI	Powre	Beam angle	IP	SDCM	LGP
LM-P66-36WH-xxK	595*595*10	40W (±2)	100lm/w	3000K 4000K 5000K 6500K	>80	100-277VAC 50~60Hz PF>0.9 THD<15%	120°	IP20	<6 /≤3	PMMA 3T
LM-P66B-36WH-xxK										PS 3T
LM-P1203-36WH-xxK	1195*295*10									PMMA 3T
LM-P1203B-36WH-xxK										PS 3T
LM-P6262-36WH-xxK	620*620*10									PMMA 3T
LM-P6262B-36WH-xxK										PS 3T
LM-P1206-60WH-xxK	1195*595*10	60W (±3)								PMMA 3T
LM-P1206B-60WH-xxK										PS 3T
LM-P1503-36WH-xxK	1495*295*10	40W (±2)								PMMA 3T
LM-P66-36WH-UGR-xxK	595*595*10	40W (±2)	95lm/w	3000K 4000K 5000K 6500K	>80	100-277VAC 50~60Hz PF>0.9 THD<15%	UGR19	IP20	<6 /≤3	PMMA 3T
LM-P66B-36WH-UGR-xxK										PS 3T
LM-P1203-36WH-UGR-xxK	1195*295*10									PMMA 3T
LM-P1203B-36WH-UGR-xxK										PS 3T
LM-P6262-36WH-UGR-xxK	620*620*10									PMMA 3T
LM-P6262B-36WH-UGR-xxK										PS 3T
LM-P1206-60WH-UGR-xxK	1195*595*10	60W (±3)								PMMA 3T
LM-P1206B-60WH-UGR-xxK										PS 3T
LM-P1503-36WH-UGR-xxK	1495*295*10	40W (±2)								PMMA 3T



Photometric Polar Diagram

example: LM-PL40Y22XXZ

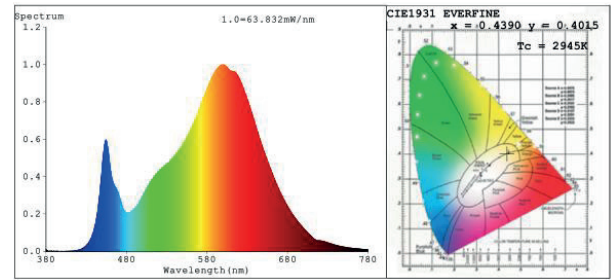


NOTE: If you need photometric information of this or another product, do not hesitate in contact us.



Spectral Power Distribution & Chromaticity Diagram

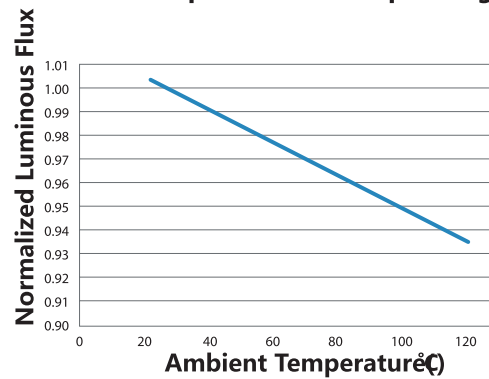
example: LM-PL40Y22XXZ



Temperature Relationship

Ambient Temperature 25 °C
Humidity 60% RH

Ambient Temperature & Output Brightness



Relative luminous fux vs. thermal pad temperature for White series.

1 hours	29 °C
6 hours	30 °C
12 hours	30 °C
24 hours	31 °C
48 hours	30 °C
1 hours	48 °C
6 hours	49 °C
12 hours	50 °C
24 hours	50 °C
48 hours	50 °C
1 hours	53 °C
6 hours	54 °C
12 hours	54 °C
24 hours	54 °C
48 hours	55 °C
1 hours	58 °C
6 hours	58 °C
12 hours	59 °C
24 hours	59 °C
48 hours	59 °C

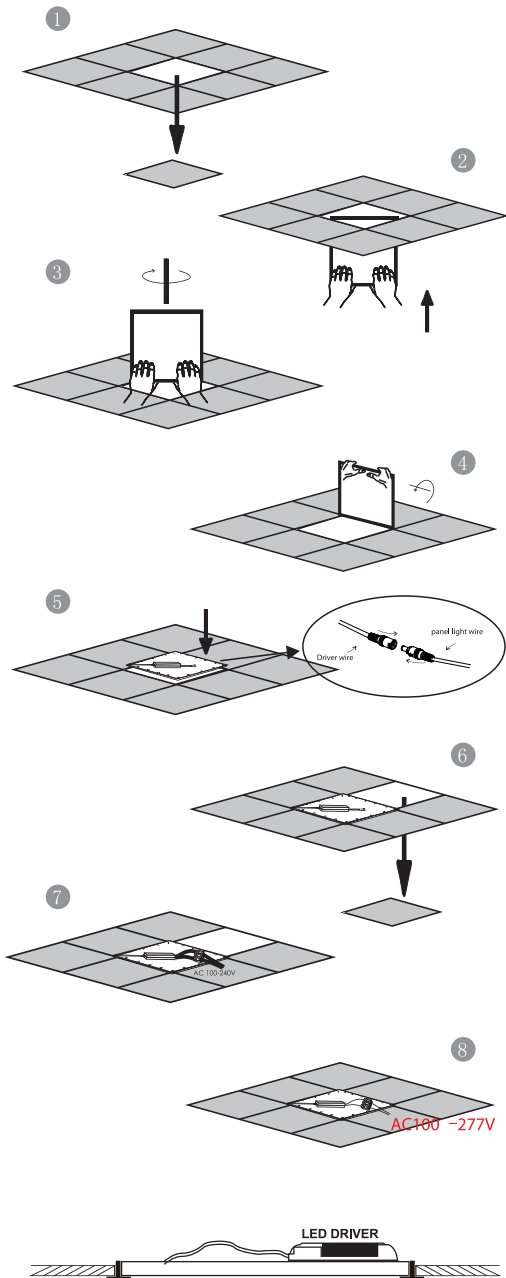
lamp backside

The Frame

Aluminum PCB

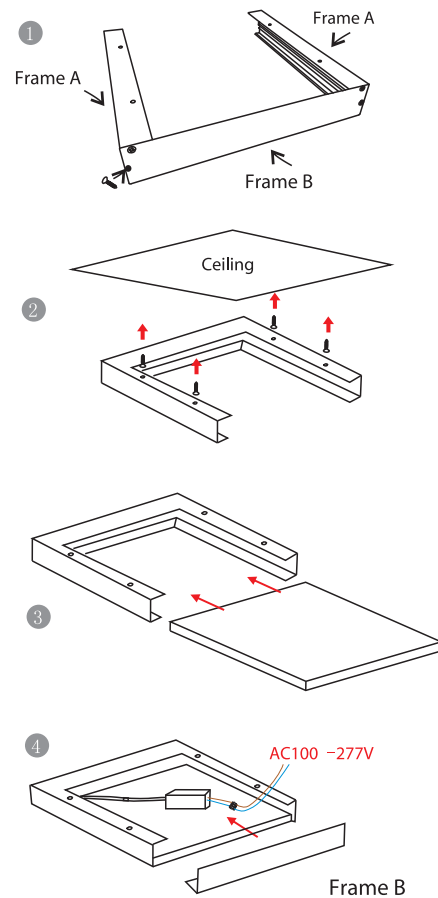
LED Pad (Foot Solder)

► RECESSED IN FALSE-CEILING FRAME



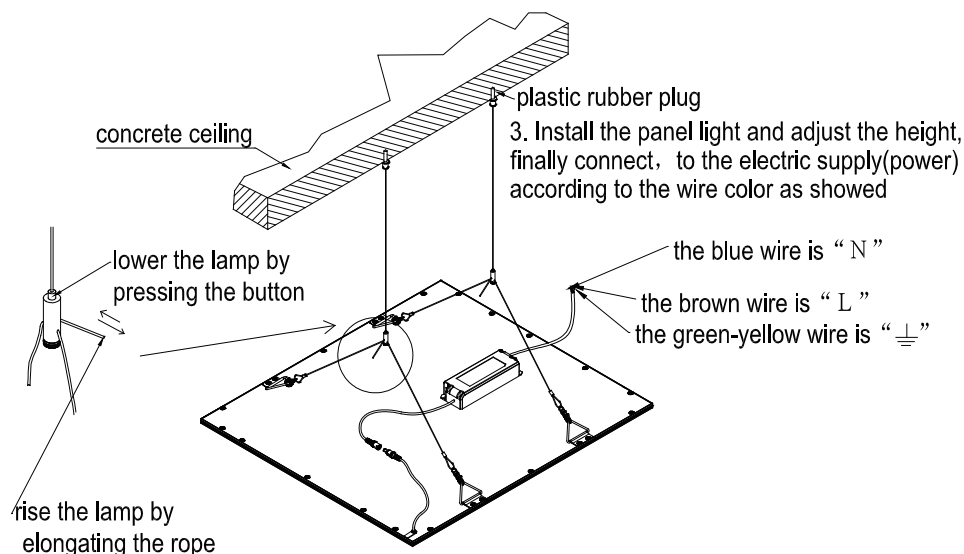
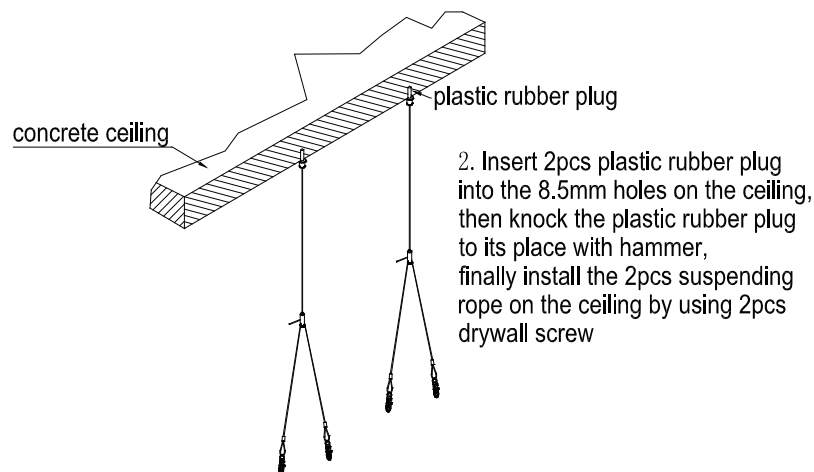
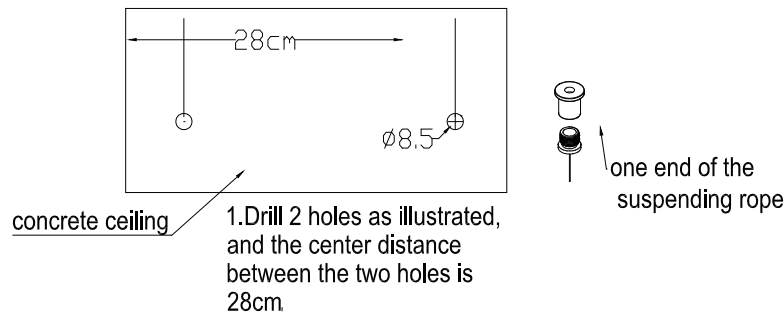
► FRAME MOUNTED

Accessories	3030	3060	6060	6262	30120
Frame A		X 2			X 2
Frame B		X 2			X 2
		X 8			X 8
		X 4			X 6



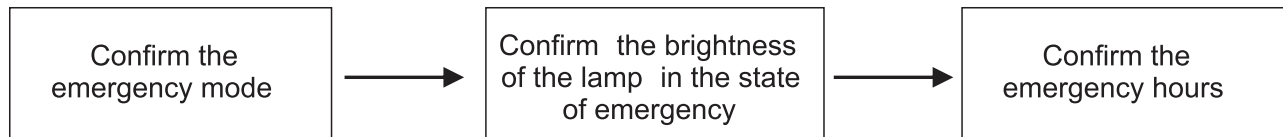
► SUSPENSION

Accessories	595*595	620*620	1195*295	1195*595
	X 2		X 3	
	X 2		X 3	
	X 4		X 6	
wire A 	X 2		X 3	
wire B 	X 2		X 3	



Emergency Power Solutions

■ Program process



- Emergency Mode

Mode A: Normal time, lights turn on. Power outage time, the lamp is lit.

Mode B: Normal time, lights turn off. Power outage time, the lamp is lit.

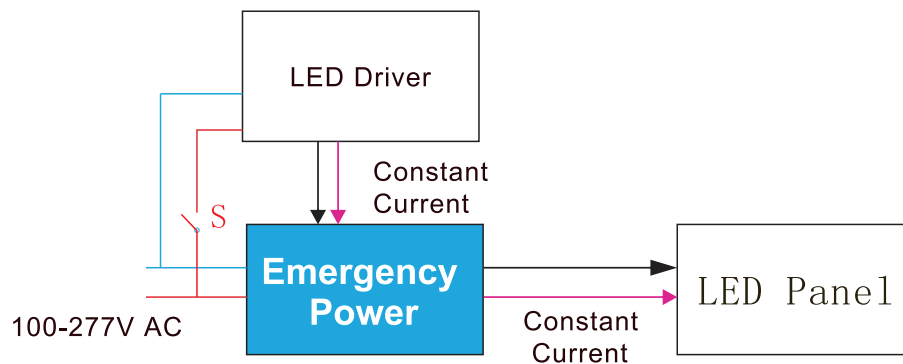
- Emergency Brightness

Emergency Brightness, from 20%~50%(30% suggested).

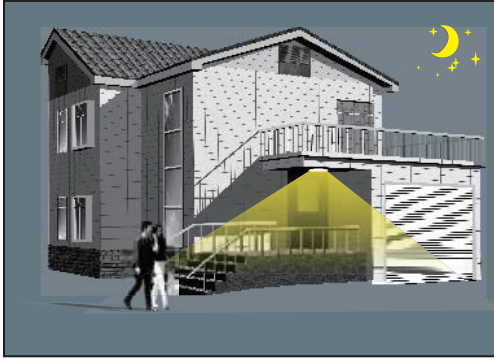
- Emergency hours

Emergency hours from 1 hrs ~3 hrs (1hrs suggested).

■ Circuit Connection Diagram

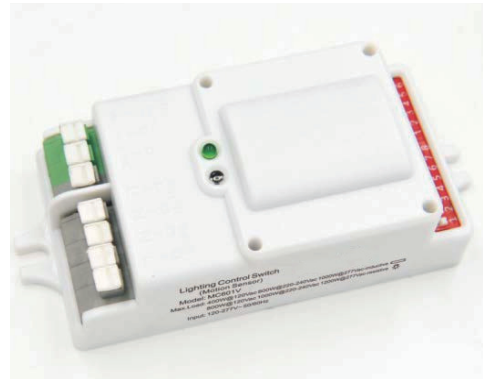


Microwave Motion Sensor



With insufficient ambient light, the sensor switches on the lamp when motion is detected.

- Automatic switching or dimming when used in combination with 1-10V dimmable LED driver or balasts
- Built -in daylight sensor
- Detection area, time delay and daylight threshold can be precisely set via DIP switch.
- Wide detection area, range up to 16m in diameter.
- Support higher mounting height 15m Max.
- Optional surface mounting and base mounting



R&TTE CE LISTED FC



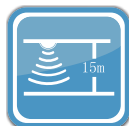
Max.8M



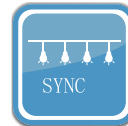
Light Sensor



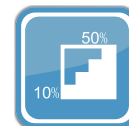
Hold Time
10s-30min



Mounting Height
15m Max.



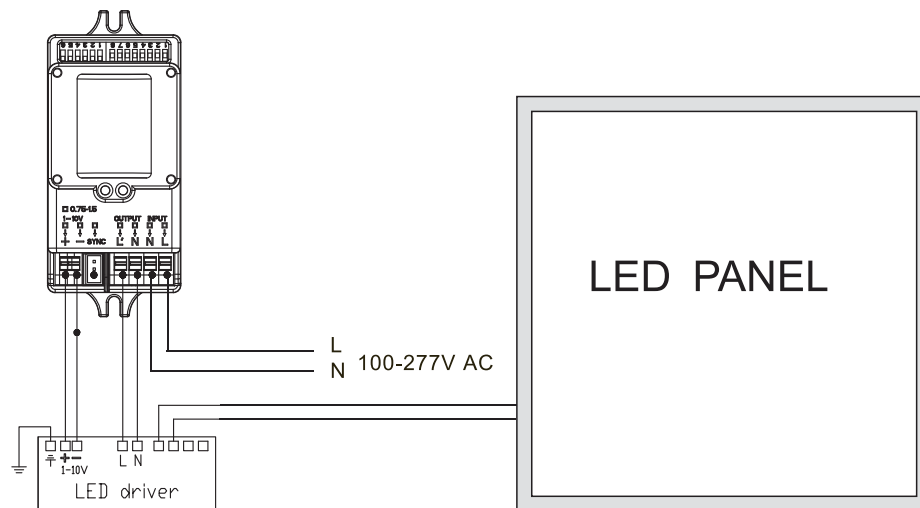
Cluster-control
Version



Automatic
Dimming



5 Years
Guarantee



1. It's only used indoors.
2. Check if fixtures are in good condition before using.
3. Keep packing material away from children, and prevent children from playing.
4. Keep necessary accessories away from swallowing by Children.
5. Do not stare at light source directly for a long time.
6. Please don't cover anything on the fixture.
7. Do not disassemble or repair fixtures by unlicensed people. Otherwise, Lumin has the right to refuse replacement or maintenance.
8. Must switch off electricity before cleaning. Do clean fixtures with dry soft cloth, free from chemical or corrosive matters.

Installation Instructions

1. Fixtures must be operated by a licensed electrician.
2. Check if fixtures are solid and in good condition once packaging is open.
3. Do not let fixture fall down from ceiling system or clash to hard stuff.
4. Make sure that the cable of fixture is long enough to connect. Do not knot or pull the cable strongly while wiring.
5. Do connect input end of fixture to output end of LED driver.
6. Wiring must be firm and tight with insulation protection well. Be aware of electricity shock.
7. Keep fixture and LED driver away from water or liquid, free from electric leakage and electricity shock.
8. Must use LED driver approved by Lumin, otherwise, fixtures may not work normally, and may be damaged, may cause unexpected incidents. Lumin will not bear any responsibilities due to such deeds.

Maintenance Tips

- * 5 years limited warranty is provided for fixtures ordered.
- * The key components will be provided if there is a problem arising from manufacturing craftsmanship.
- * The claimant should describe problem clearly and provide necessary proof such as photo, video, and words.
- * The following situations are not warranted:
 - (1) Damage due to mishandling or abuse of the fixture.
 - (2) Not using a voltage regulated power supply to connect the fixture.
 - (3) Connecting LEDs to the wrong Output Voltage.
 - (4) Improper connection of power supplies LED products or controls.
 - (5) Connection of fixtures or controls directly to any A/C power source.
 - (6) Connecting Power Supplies backwards to an A/C power source.
 - (7) Using products in an extremely hot environment.
 - (8) Water damage to non-waterproof fixtures.
 - (9) Electrical power surges.
 - (10) Damage from Lighting or Electrical Storms
 - (11) Acts of God.
 - (12) Products or electronic components that have been modified by the user.
 - (13) Products used for purposes other than intended and directed.
 - (14) Products damaged by connection to LED systems or components not purchased from Lumin Lighting.
- * Please notice us formally by emails or letters if there is an abnormal performance or you want to repair it.
- * The brochure is only used for the purpose of reference.

! Lumin Lighting reserve the right to revise or update the documents.