LED Panel Light Specification List
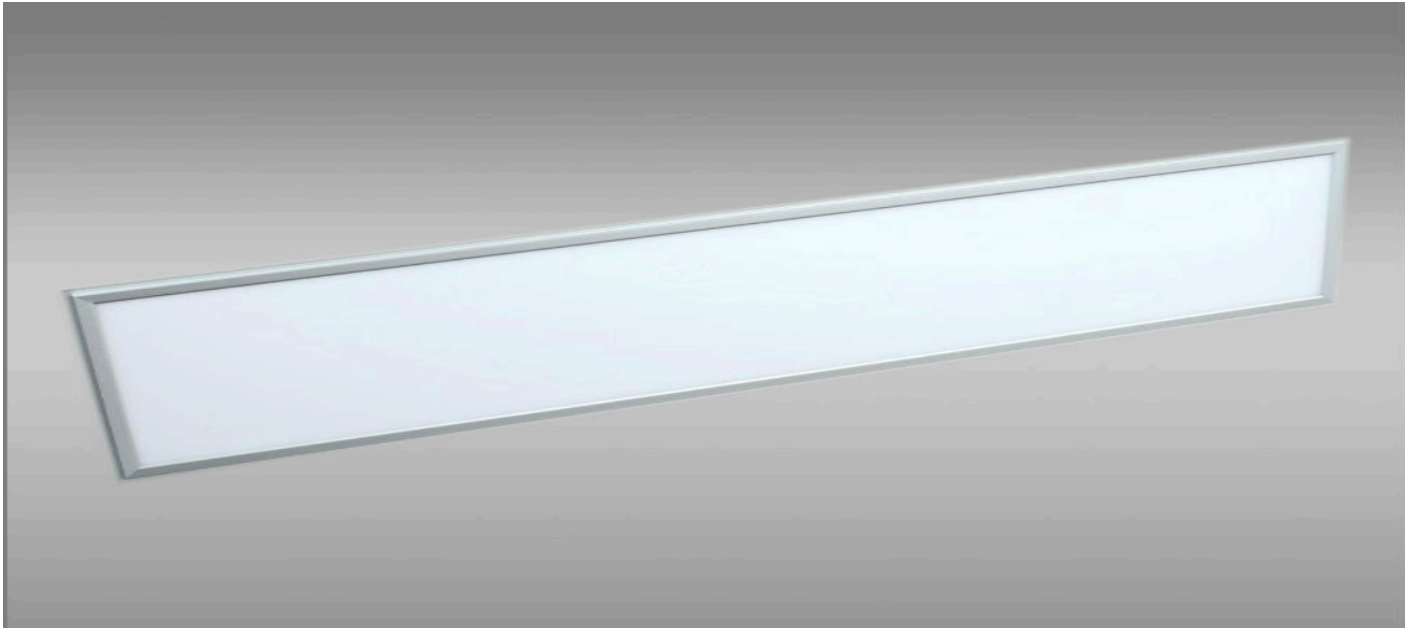

Product Name: <u>LED Panel Light</u>

Model No：<u>LEDPAN1512</u>

** Contents **

Product Description

➢ Super slim design, save 70% energy, High efficiency 120LM/W with uniformed luminance.

➢ Life span: 50000 hours

➢ Wide range of input voltage: AC100-270V

➢ Instant start, no noise, no flickering

➢ New high efficiency constant current driver.

➢ Professional circuit design, each group of LEDs work separately to avoid any problem of lighting output caused by single faulty LED.

➢ No electrical wave interference, confirm to the standard of CE.

➢ No Mercury, green environment friendly, confirm to the standard of RoHS.

➢ No RF interference.

Application Scope
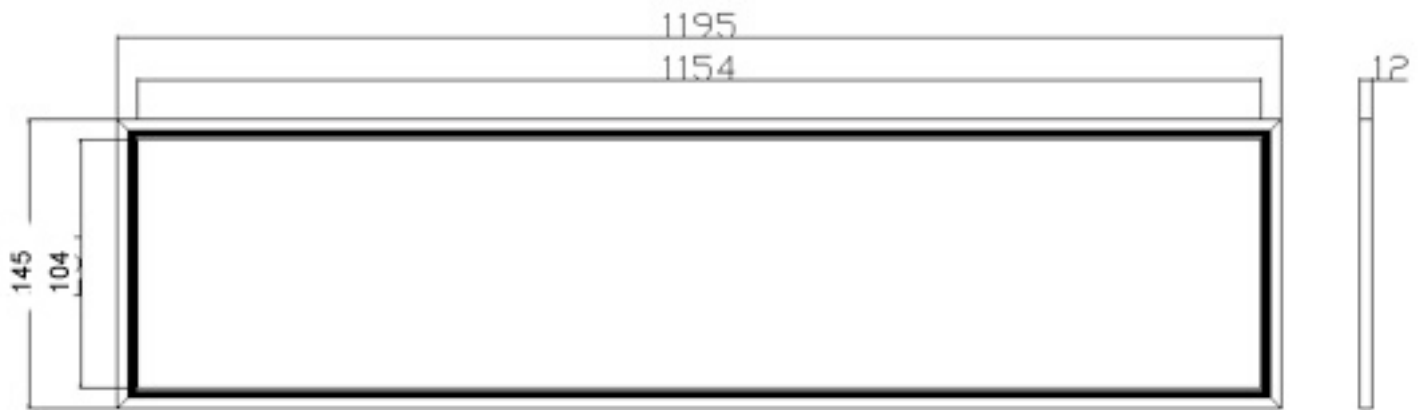
Hotel   Meeting Room   Factory & Office

Commercial Purpose   Residential & Institution   School

Hospital   Other lighting location

Technical Parameter

No		Parameter		
01	Input Voltage	AC 110-277V(UL) AC100-240V(CE)		
02	Working Voltage	≤36V		
03	Input Power	□36W □48W		
04	Luminous	□36W 4320 lm □48W 5 7 6 0 lm		
05	Power Efficiency	□36W 120 lm/w □48W 1 2 0 lm/w		
06	Frame Colour	Silver but also other colours on request		
07	Colour Temp	□WW / Warm White **2800-3500K** □NW / Natural White **4000-4500K** □W / White **5000-5500K** □CW / Cool White **6000-6500K**		
08	CRI	$2835 \geqslant 83$		
09	Chip Qty	2835	□ 36W 88 PCS □48W 100 PCS	
10	LED Type	□ **Lumenmax 2835**		
11	Life Span	50000 Hours		
12	Operating Temp	-20ºC — 50ºC		
13	Storage Temp	-20ºC — 60ºC		
14	Net Weight	4.0 Kg		
15	Gross Weight	4.5 Kg		
16	IP	IP 42		

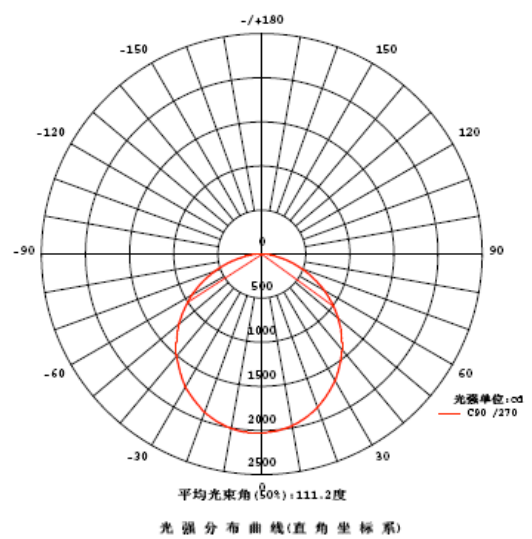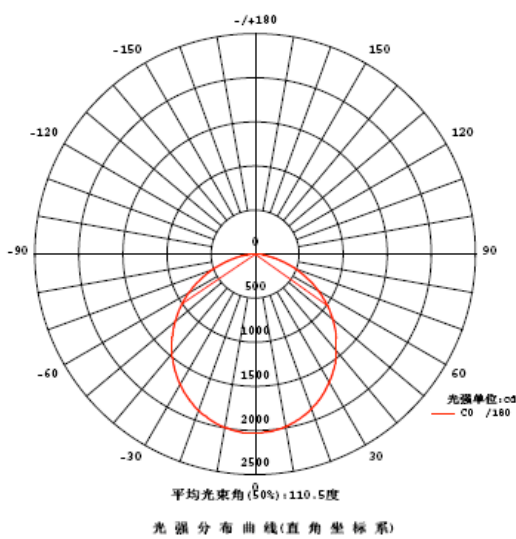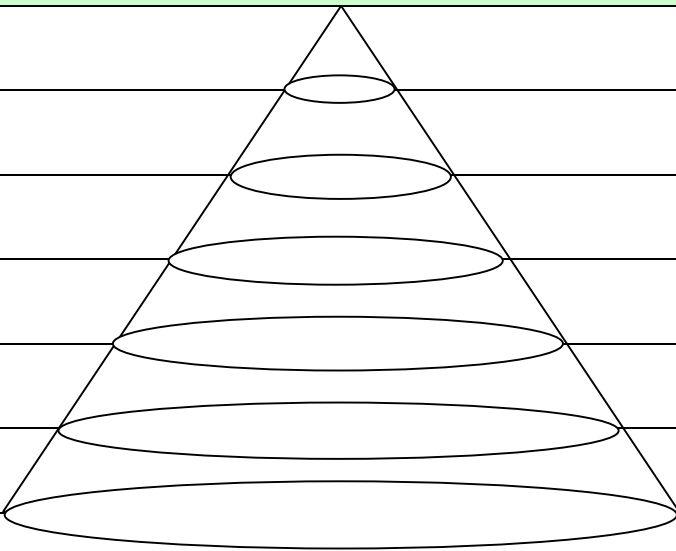# Product Dimension:

Remarks:

1. The above dimension are based on "mm"

2. There is a tolerance about ±0.5mm

Luminous Distribution Diagram：

Illuminance Diagram：

Distance		Central Illuminance			
Power		36W		48W	
1m		1039		1438	
1.5m		582		687	
2m		259		357	
2.5m		166		227	
3m		115		159	
Power		36W		48W	

LED Life Prediction
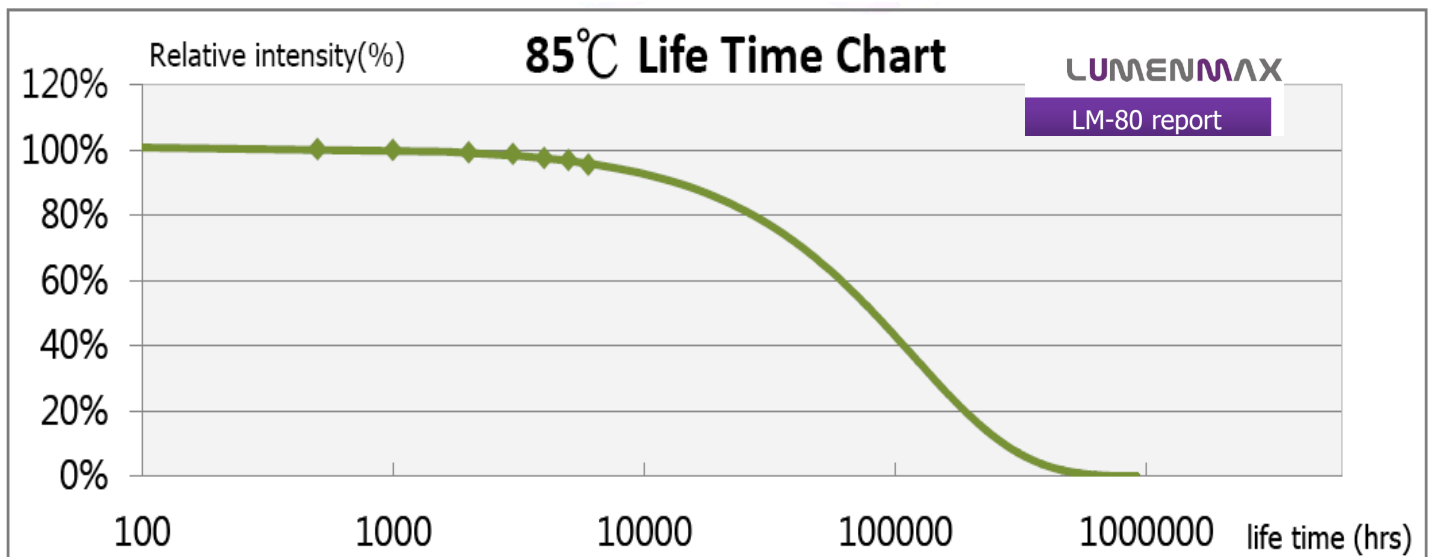
Samsung MP56L CRI70+ Test Result in our lab

[Condition : 100mA, 85℃]
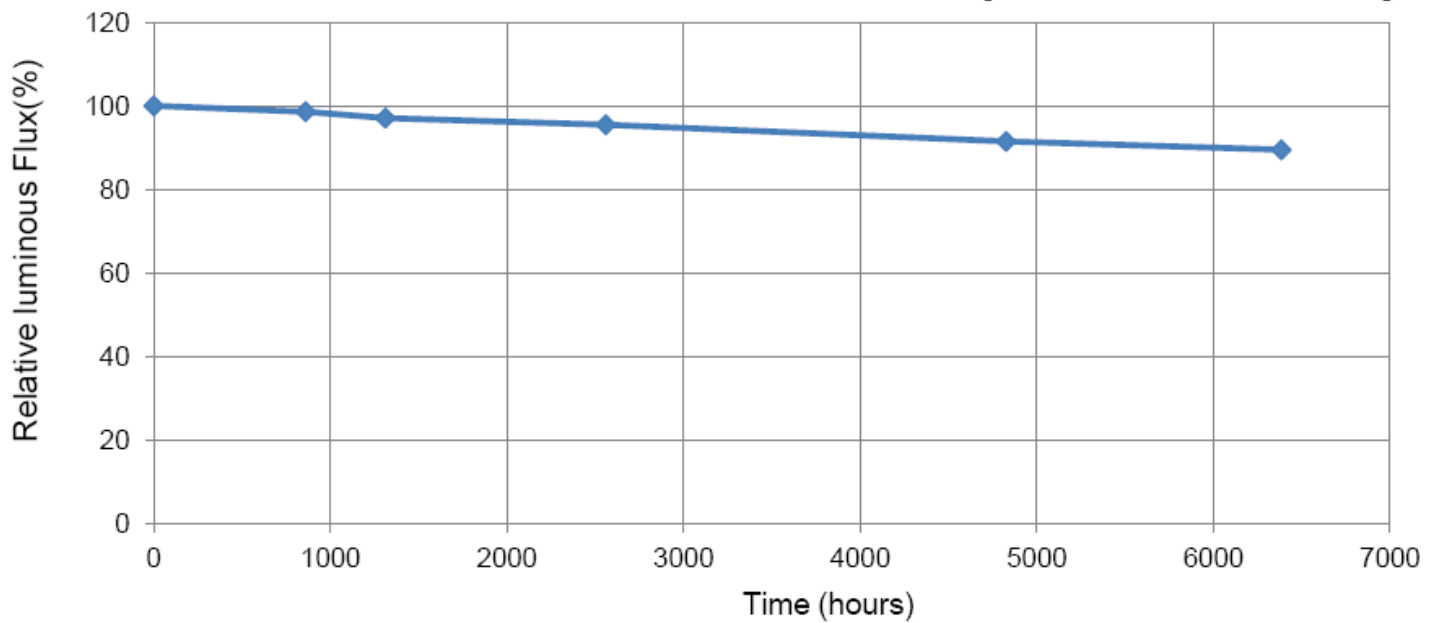
Package：

Packing Size:

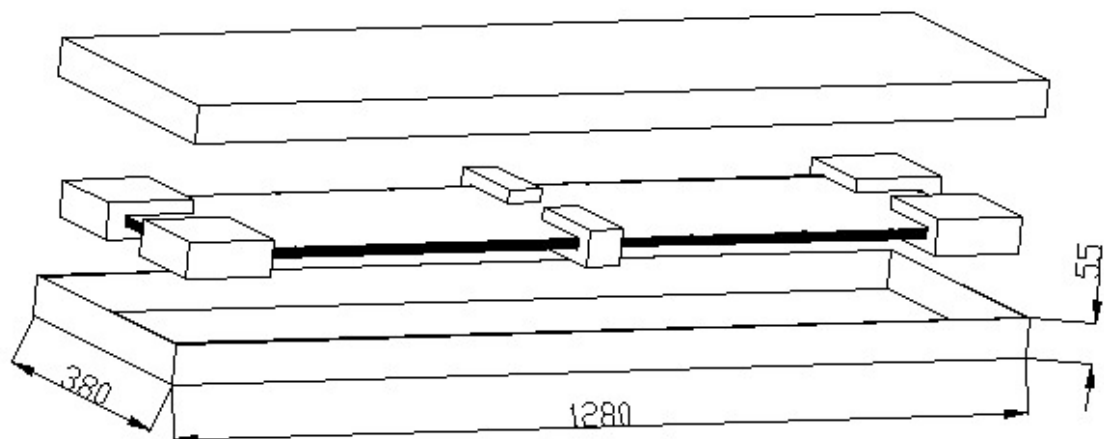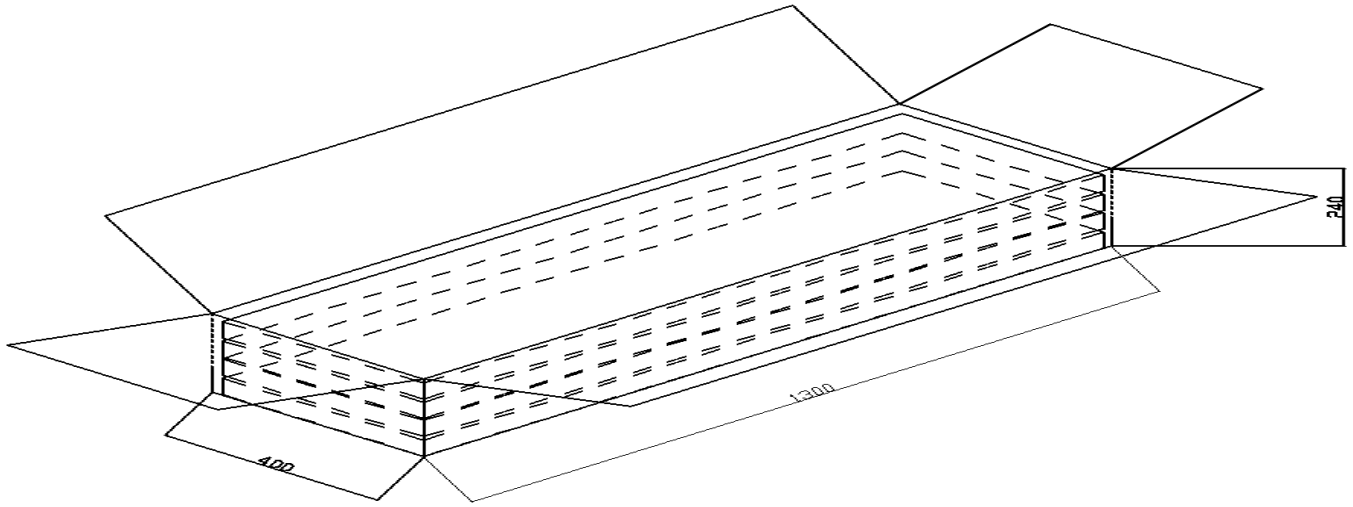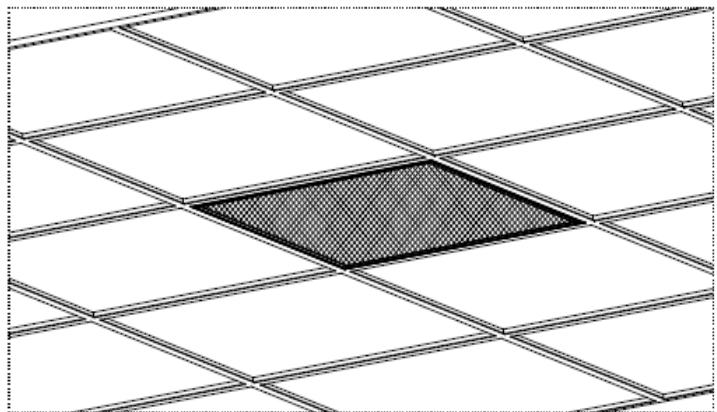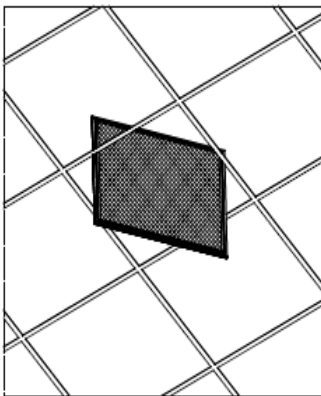Inner Box： 380×1280×55mm 　　(1pcs/box)　Net Weight： 4.0KG　Gross Weight: 4.5KG

Carton: 400×1300×240mm 　(4pcs/carton)　Net Weight：18.8KG　Gross Weight： 21 KG

4 boxes packed in a Carton

Installation Method：

1. Recessed

2. Ceiling Mounted

Ceiling roof/wall

Ceiling-mount Frame

1.Get the ceiling-mount frame well fixed

2.Screw the frame on the ceiling roof or wall

3.Take one side off.

5.Fix the side which was taken off by step3.

LED Panel Light

4.Put the LED panel light into the frame from this side.
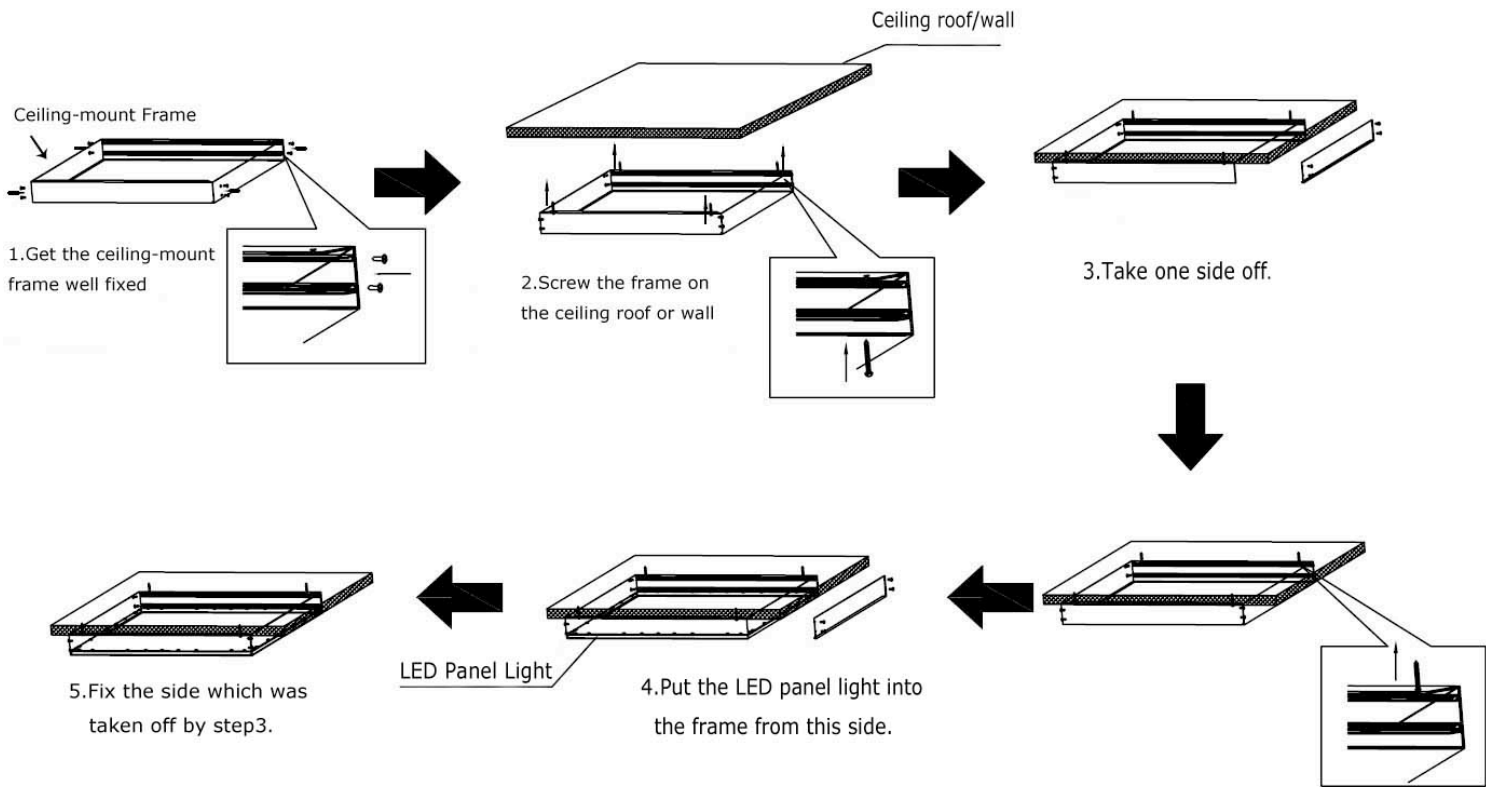
3. Suspended

B. Suspended type

Drill holes of Φ5mm

Fishlike plastic anchor

External driver
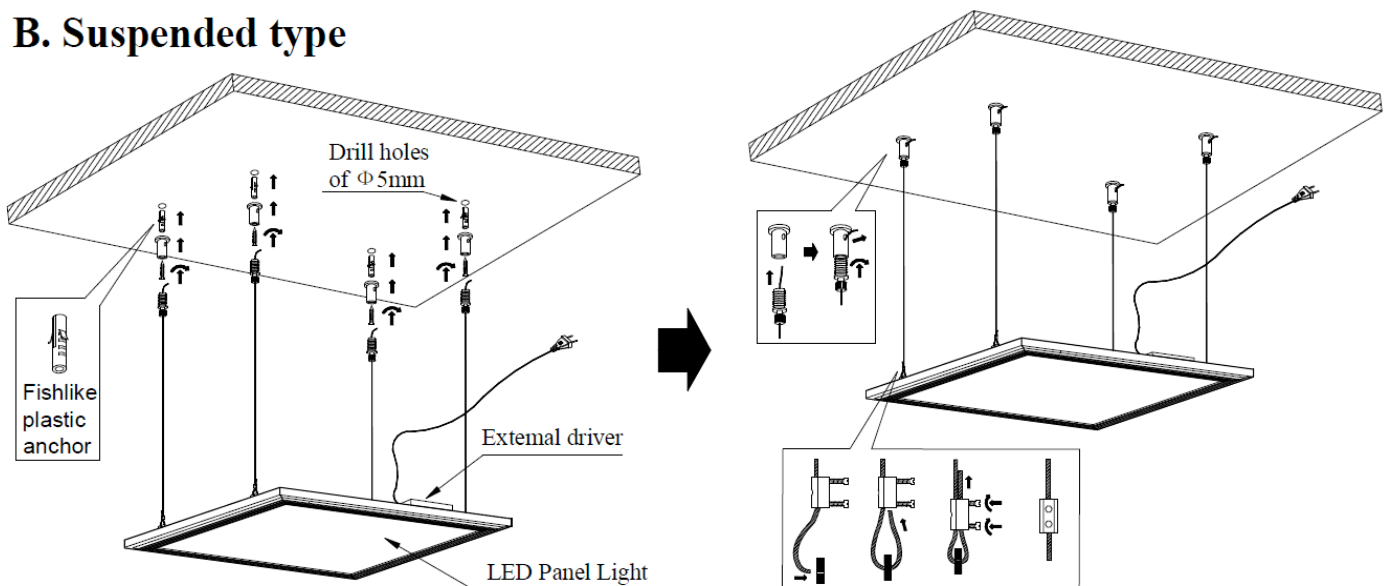
LED Panel Light

Attention on Installation:

1. Panel lights should be installed by a competent electrician.

2. Please check all the accessories when open the cartons.

3. The distance between the light and any flammable materials must be more than 0.2m. The distance between the upper part of the installed light and the ceiling must not be less than 2 cm. Don not install into ceilings or walls that contain heat source. The main cable must not connect with the low voltage cable or the surface-mounted lights.

4. Guide the lights' connecting cables through the drilled hole, and fix the surface-mounted lights with the pre-fitted clips. Make sure that these are securely connected to the base material.

5. When laying the cables, make sure that the cables and plugs are not subjected to any tensile or twisting forces. Do not kink cables. Output cables should be laid separately and at a distance from other cables.

6. After installation, connect the transformer to the mains supply

7. Proceed by connecting the wiring cables to the lights. Usually, the brown (or black) wire is the Live wire, connect it with the terminal marked "L". The blue wire is Neutral wire; connect it with the terminal marked "N".

8. Use the dedicated LED drivers only; do not connect to other loads

9. Do not remove the label of the lights and drivers.

Notes on Using:

1. Please always use the light out of its package.

2. Before starting use of the light, please check if the light was damaged during transportation. If any damage shown, please DO not install or use it.

3. Any maintenance work should be performed by a competent person only.

4. Keep packaging material away from the reach of children and pets.

5. Caution: Keep children away from the lights, there are some small components that may be swallowed by children, and never allow them to play with electrical devices.

6. Try to avoid looking directly at lights for a long time. Do not shine the LED light in another person's eyes.

7. Never cover the lights by other objects

8. Keep the panel light away from the flames or heat sources.

9. The lights should be inspected repaired or special treatment if beyond service time.

10. Non-professionals are not allowed to disassemble and maintain the products. We have the right not to provide after-sale service if unauthorized disassembly and maintenance happens to the products.

Maintenance:

1. Before to clearing the panel lights, please make sure the power is OFF.

2. Use a dry or slightly moistened cloth for cleaning.

3. Never use any chemicals or abrasives for cleaning.