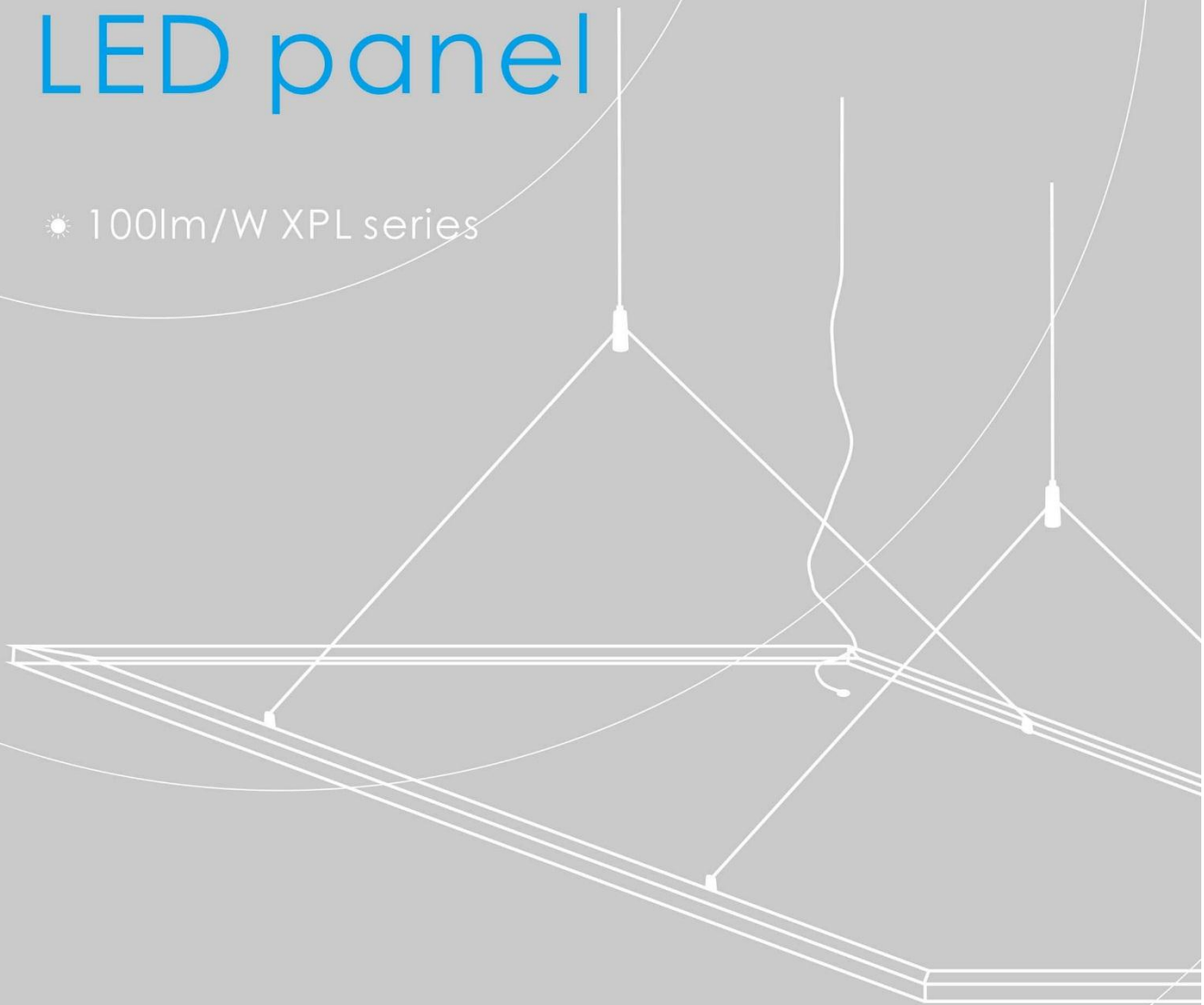
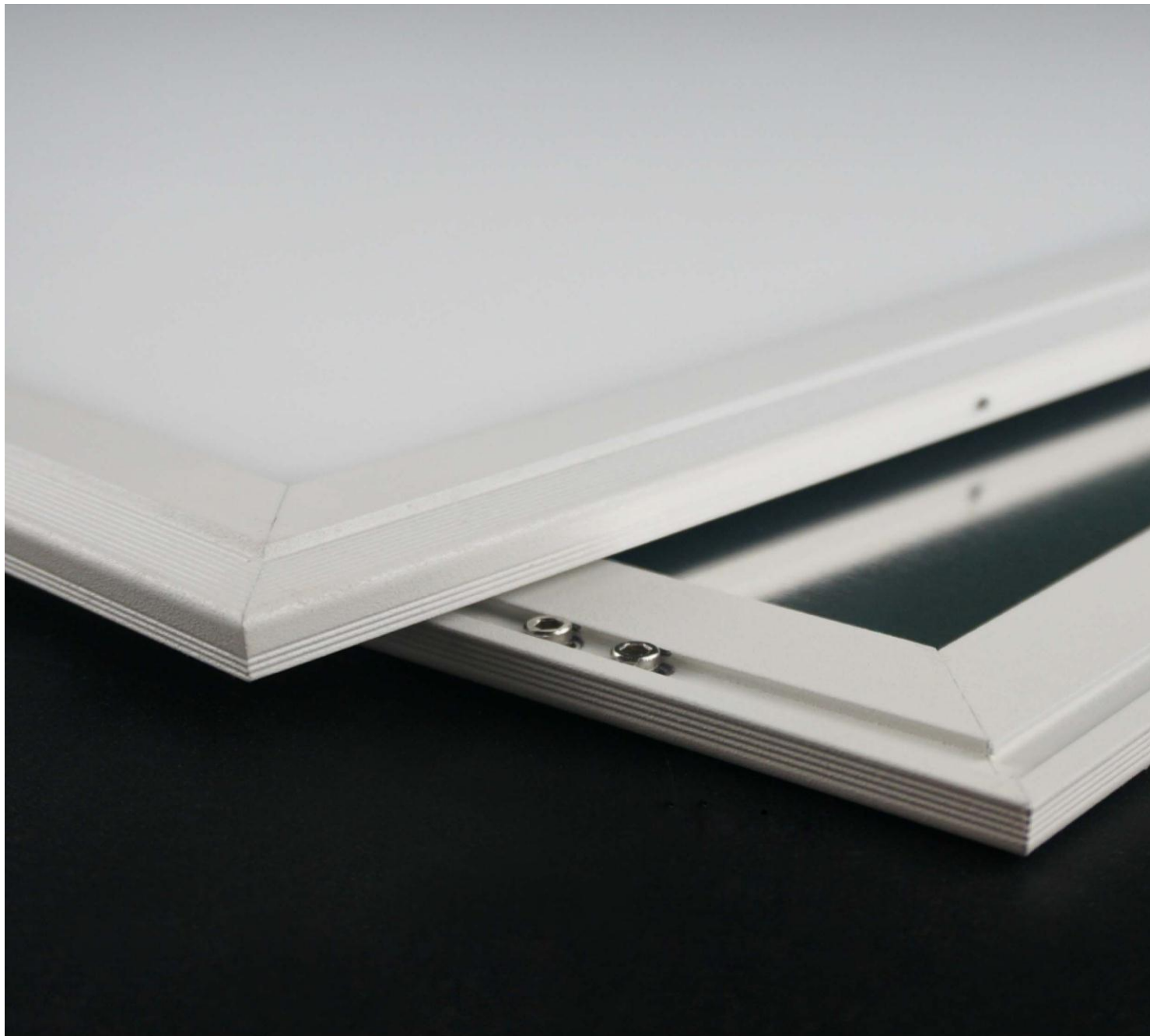


Enjoy the Light

LED panel

☀ 100lm/W XPL series





XPL Series

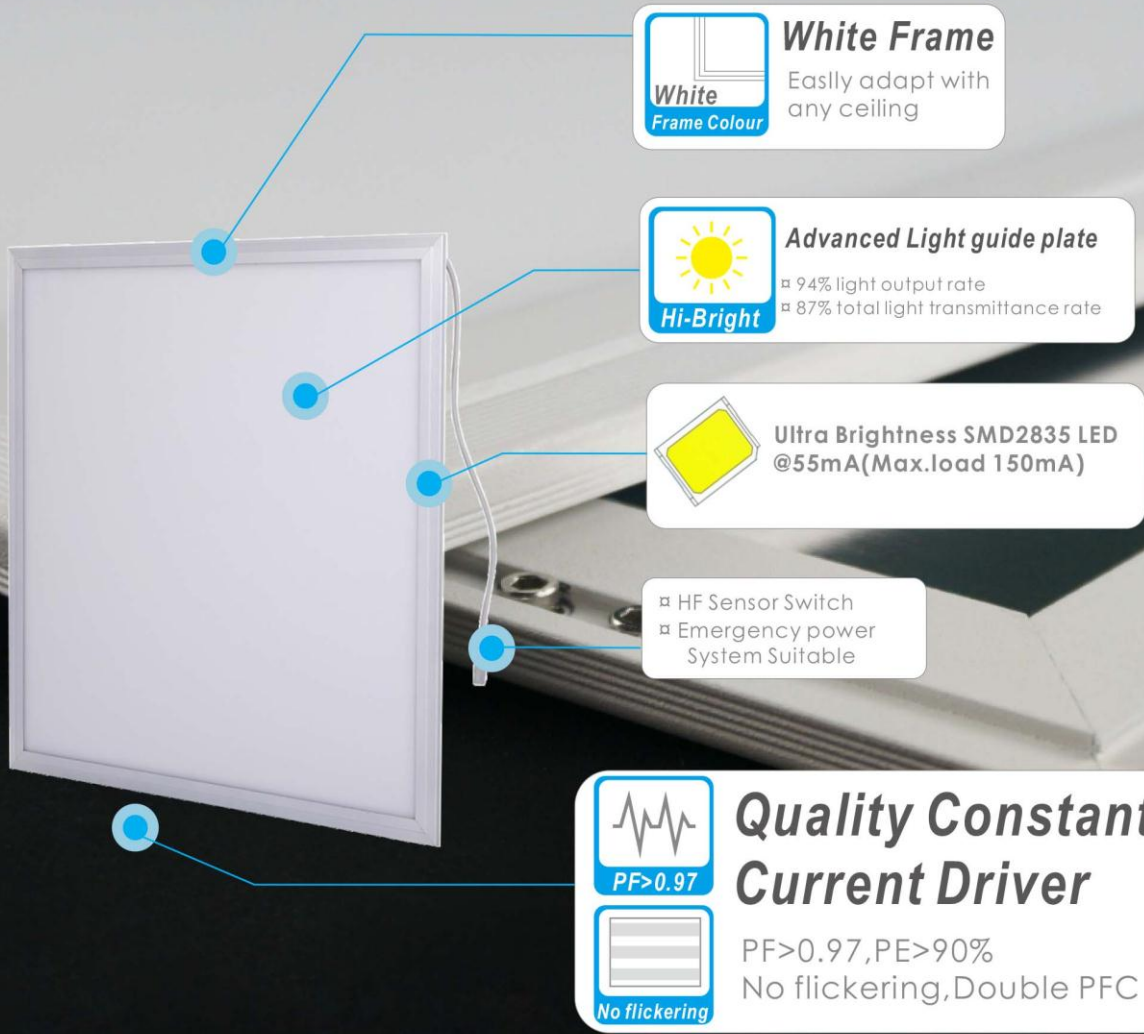
☀ 100lm/W

☀ 8.9mm Thickness

☀ 5years warranty



Advantage



- White Frame**
Easily adapt with any ceiling
- Advanced Light guide plate**
 - 94% light output rate
 - 87% total light transmittance rate
- Ultra Brightness SMD2835 LED @55mA(Max.load 150mA)**
- HF Sensor Switch
Emergency power System Suitable
- Quality Constant Current Driver**
PF>0.97
No flickering
PF>0.97, PE>90%
No flickering, Double PFC



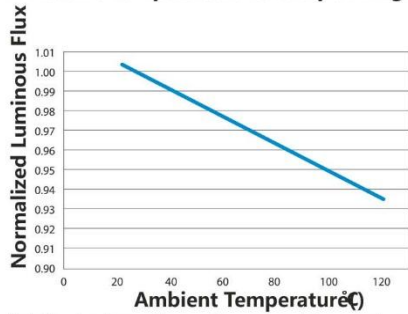
- Stainless Steel Screw
- Double back frame
Elegant Classic Design
- Ultra Slim 8.9mm

☀️ 5years warranty

Superior Heat Dissipation

Ambient Temperature 25 °C
 Humidity 60% RH

Ambient Temperature & Output Brightness



Relative luminous flux vs. thermal pad temperature White series.



1 hours	29 °C
6 hours	30 °C
12 hours	30 °C
24 hours	31 °C
48 hours	30 °C

The button of the heat sink

1 hours	48 °C
6 hours	49 °C
12 hours	50 °C
24 hours	50 °C
48 hours	50 °C

The Frame

Aluminum PCB

1 hours	53 °C
6 hours	54 °C
12 hours	54 °C
24 hours	54 °C
48 hours	55 °C

LED Foot(Solder)

1 hours	58 °C
6 hours	58 °C
12 hours	59 °C
24 hours	59 °C
48 hours	59 °C



CRI>82



Alternating Current



PF>0.97



100LM/W



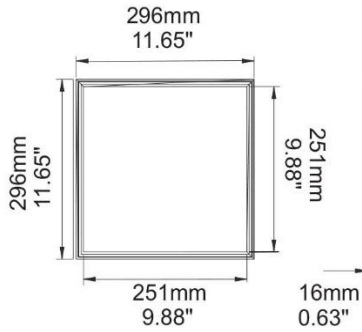
Available



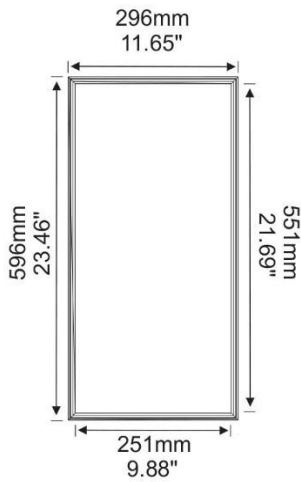
5 year Warranty

Dimension

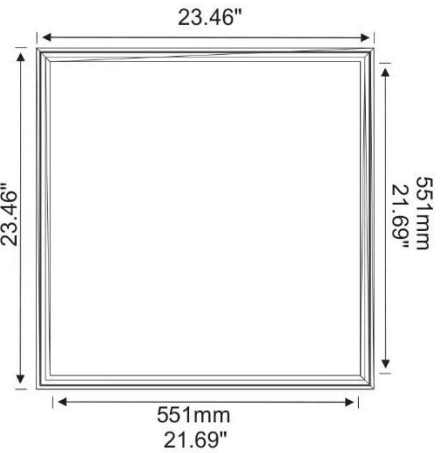
■ XPL-3030



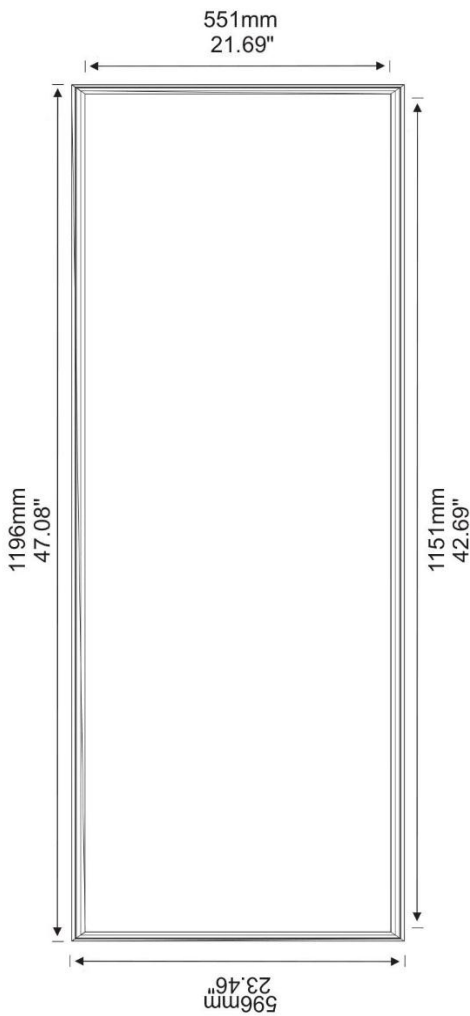
■ XPL-3060



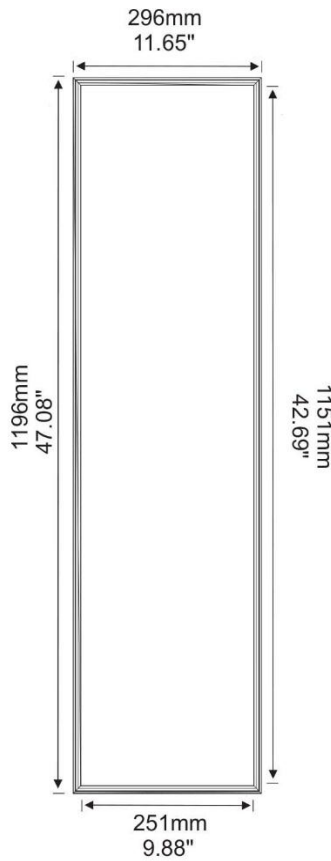
■ XPL-6060





■ XPL-60120



■ XPL-30120

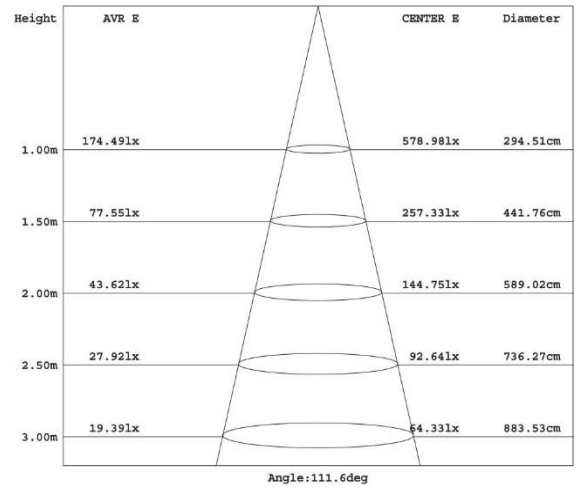
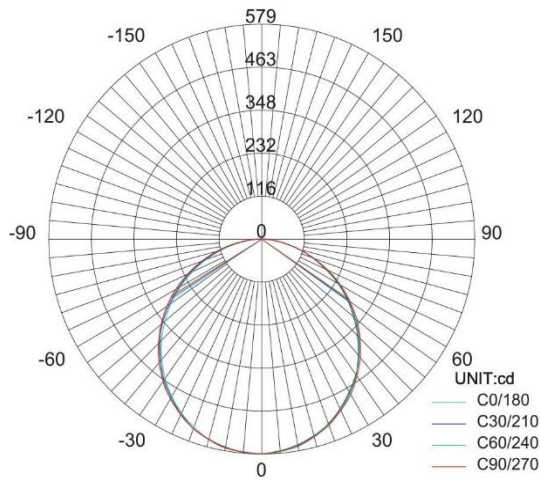


LED Panel Info

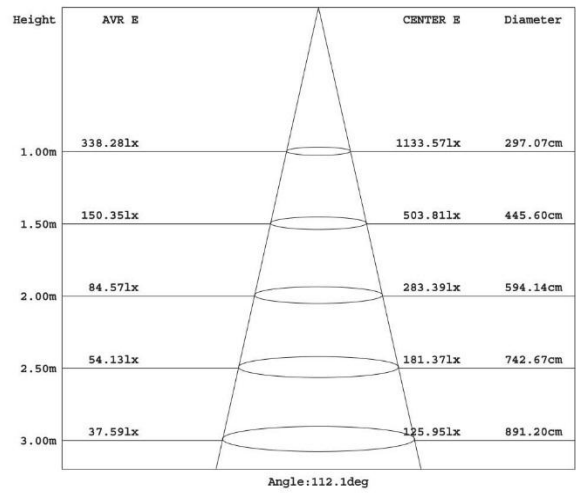
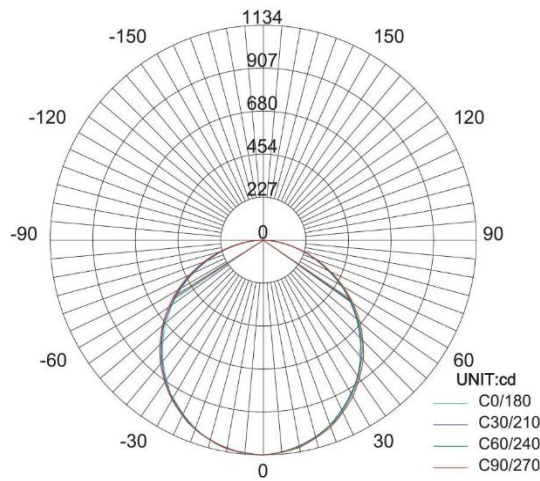
Model Number	Luminous Flux(lm)			Dimension(mm) W(width),L(length),H(height)	Input Voltage	LED Q'ty	Power (w)	
	CW	NW	WW					
XPL-X3030	1522	1431	1355	296W×296L×9H		56 pcs super bright triple chip 2835 SMD	22±1	
XPL-X3060	3448	3241	3069	296W×596L×9H		112 pcs super bright triple chip 2835 SMD	44±1	
XPL-X6060	3533	3321	3144	596W×596L×9H		112 pcs super bright triple chip 2835 SMD	44±1	
XPL-X6262	3508	3298	3122	620W×620L×9H		112 pcs super bright triple chip 2835 SMD	44±1	
XPL-H3030	1522	1431	1355	296W×296L×9H			48 pcs super bright triple chip 2835 SMD	17±1
XPL-H3060	3448	3241	3069	296W×596L×9H			108 pcs super bright triple chip 2835 SMD	40±1
XPL-H6060	3886	3610	3436	596W×596L×9H			108 pcs super bright triple chip 2835 SMD	40±1
XPL-H6060B	4016	3895	3503	596W×596L×9H			192 pcs super bright triple chip 2835 SMD	39±1
XPL-H6262	3921	3855	3510	620W×620L×9H			108 pcs super bright triple chip 2835 SMD	40±1
XPL-A30120	3526	3385	3510	296W×1196L×9H			216 pcs 2835 SMD	40±1
XPL-B30120	6381	5998	5679	296W×1196L×9H			216 pcs super bright triple chip 2835 SMD	76±2
XPL-H60120	6516	6060	5669	596W×1196L×9H			216 pcs super bright triple chip 2835 SMD	76±2

Luminous Intensity Distribution

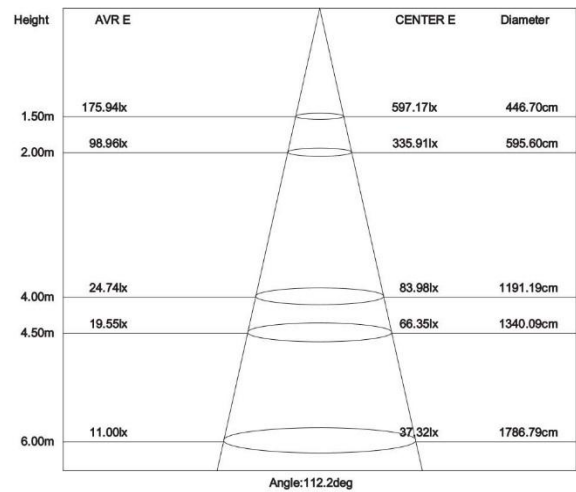
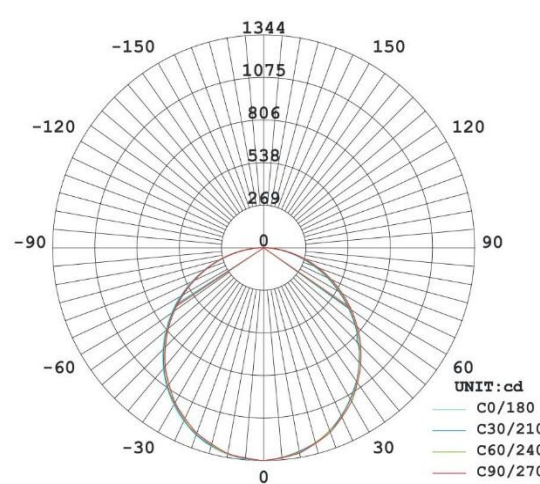
XPL-H3030



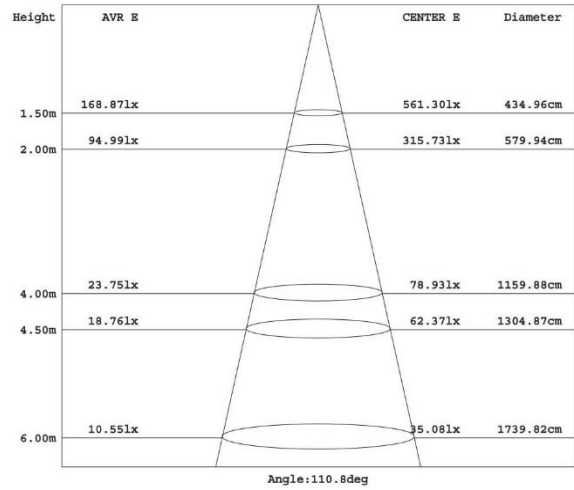
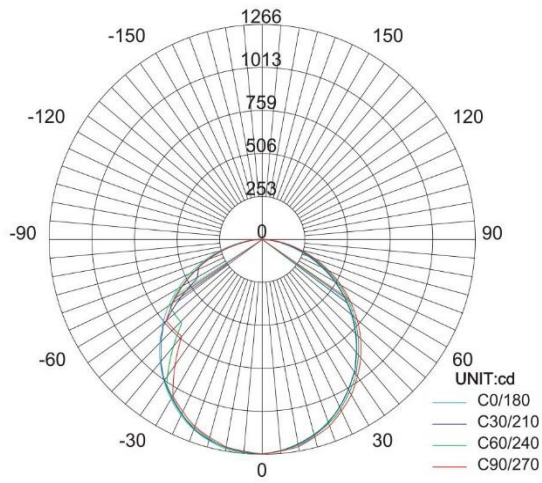
XPL-H3060



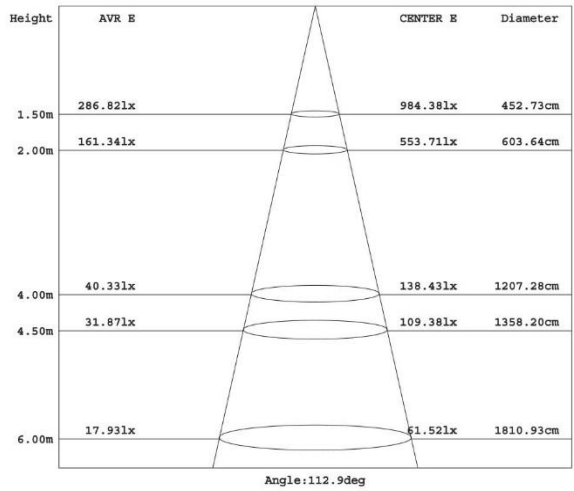
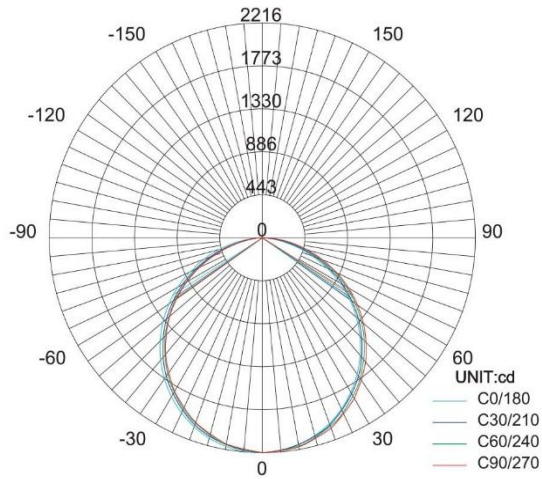
XPL-H6060



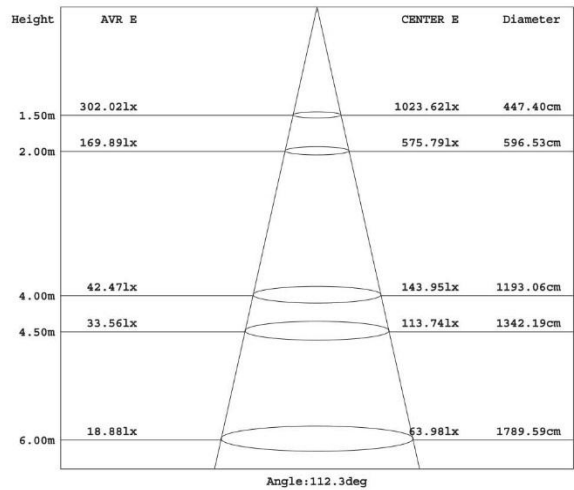
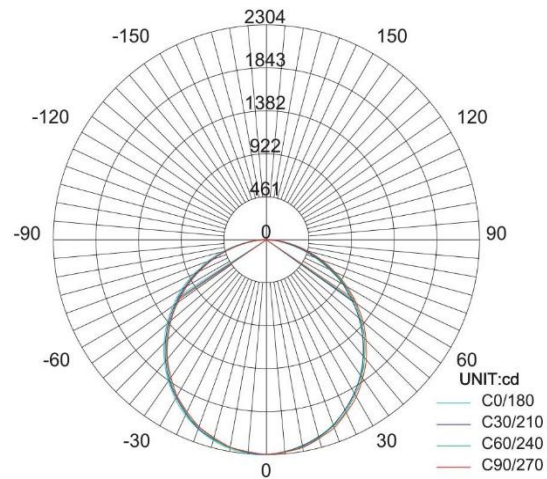
XPL-H6060 B



XPL-B30120



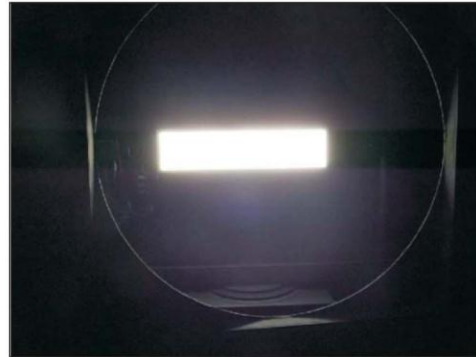
XPL-H60120



IESNALM-79-2008 IES FILES

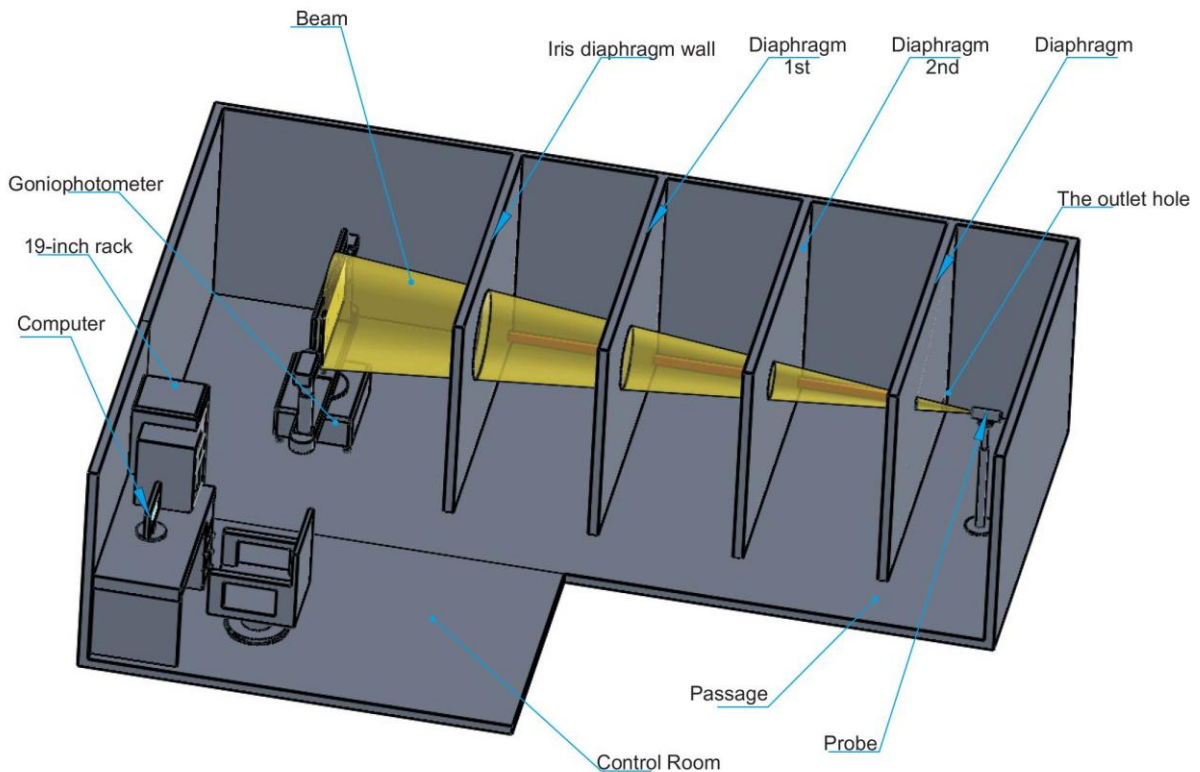
All products here have test report for LM-79-2008 report by or salers.

RayFact for truer lighting You can got it from website

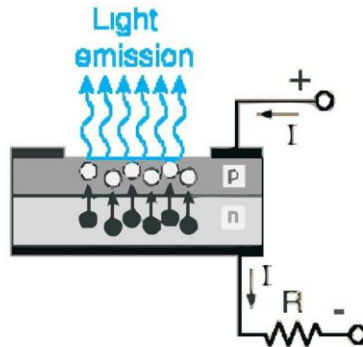


Goniophotometer

Goniophotometers can measure all types of lighting sources and luminaires including lamps of all kinds, 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.



LED Chip LM80



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

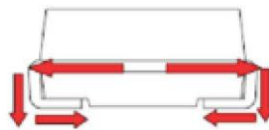
* Larger chip size, better heat dissipation, better phosphor, the appropriate current, will allow longer LED life.

SMD LED



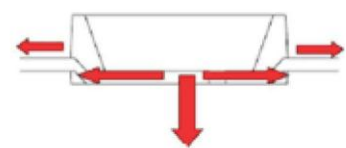
2835 SMD

Normal LED Package



Package Rjs: 160 deg/w

2835 Heat Sink Package



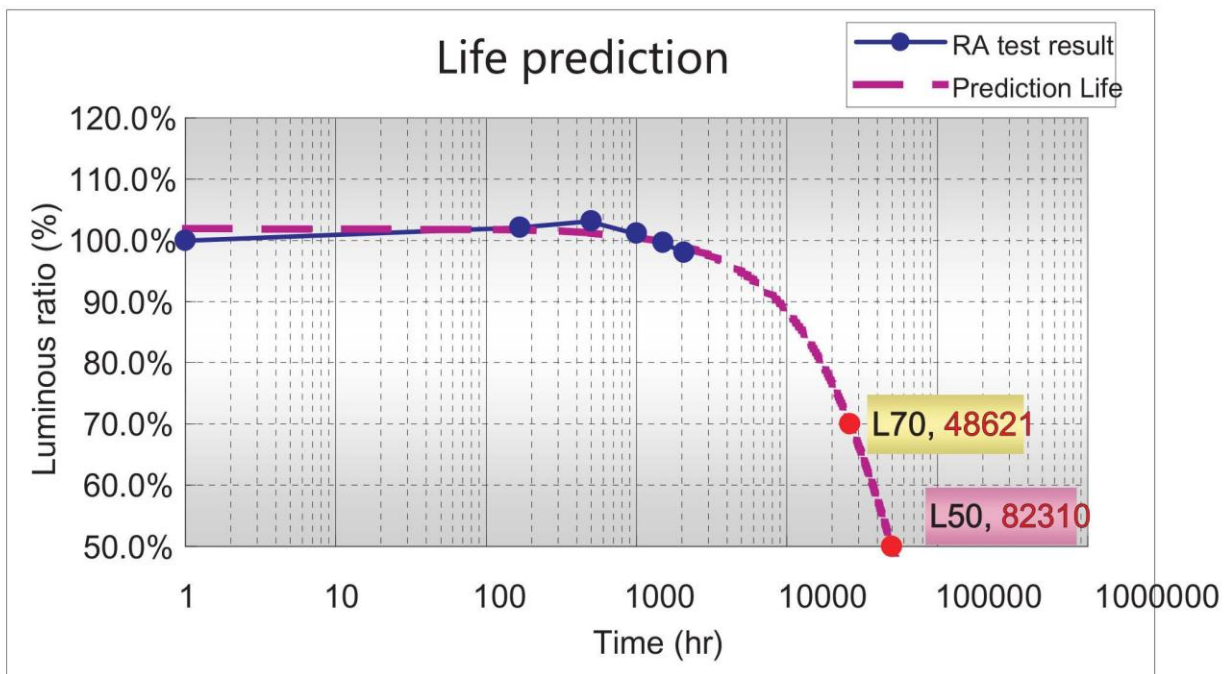
Package Rjs: 45 deg/w

2835 Package

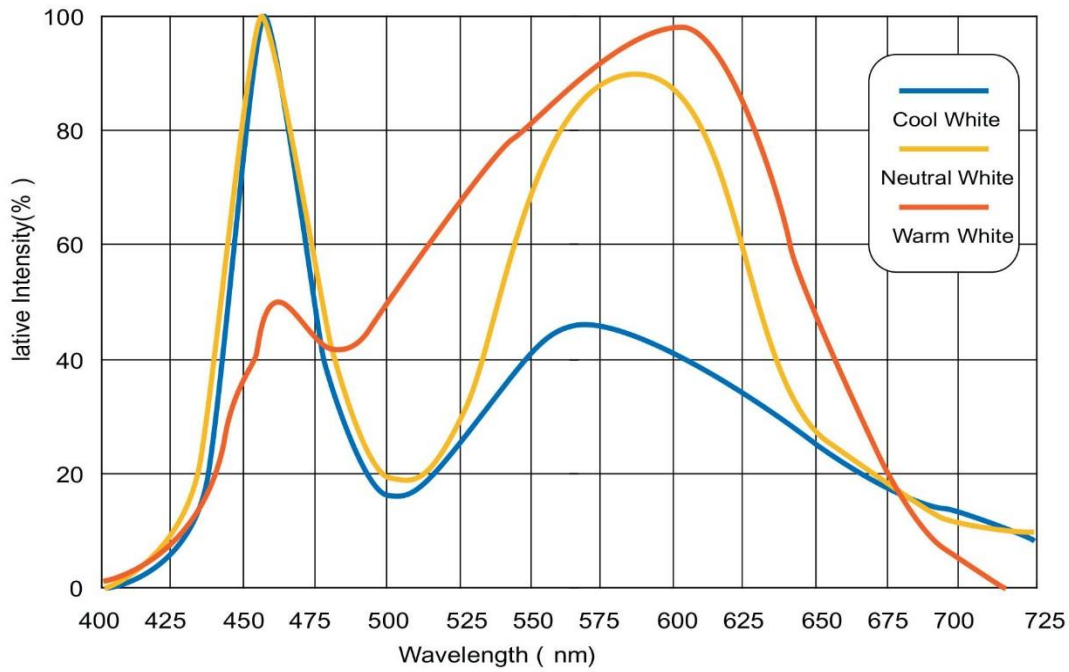
Chip Brand	Epistar/Lextar
Lumen/Current	55 mA
Solder Temperature	50 °C
Humidity	60% RH

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

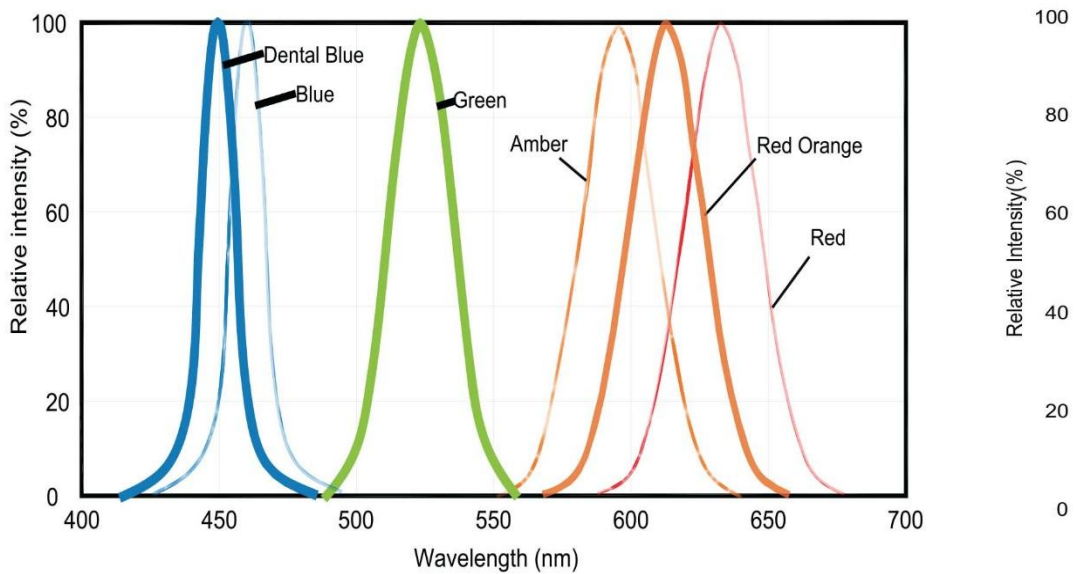
Specifications - 2.8mm x 3.5mm x 1mm, industry standard foot print, high efficiency, PB-free, 120degree viewing angle. Luminous Intensity that uses - 46lm @ 110mA.



Spectrum



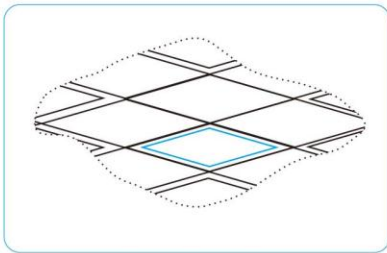
Cool White, neutral white and warm white color spectrum at $T_c = 55^\circ\text{C}$



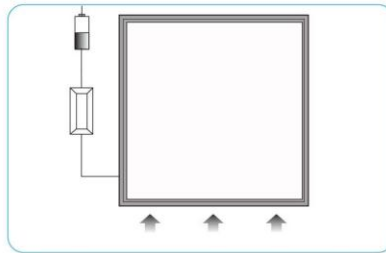
Red, Amber, True Green, Blue, Dental Blue color spectrum at $T_c = 55^\circ\text{C}$

Installation

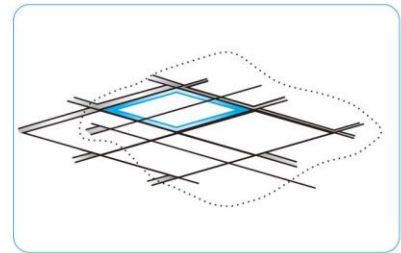
■ Recessed



1, Move away ceiling plaster slab, then arrange the wire

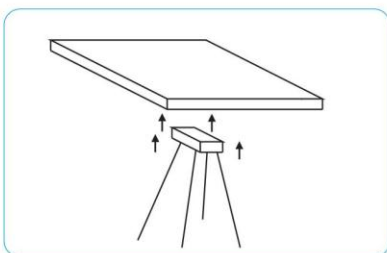


2, Put through the panel light along ceiling's diagonal and then wiring.

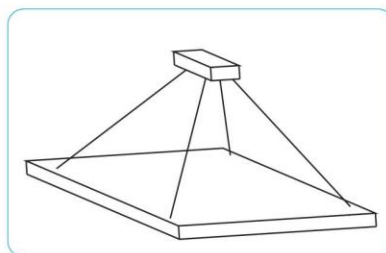


3, Fix the panel light to suitable place

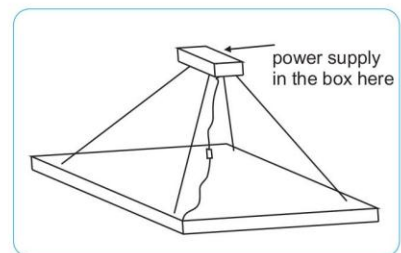
■ Hanging



1, Install the hanging fixed box to ceiling and connect the power wire

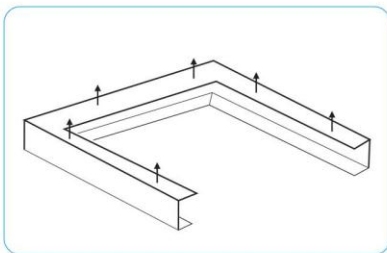


2, Connect the wire the panel

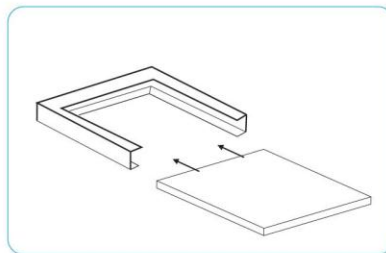


3, Connect the power wire to panel

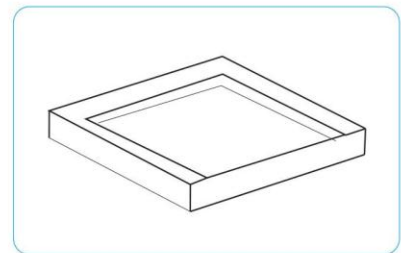
■ Mounted-A



1, The Scattered aluminum frame. Installation 3pcs frame and fix it to ceiling.

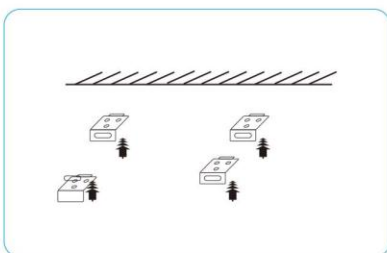


2, Insert the panel into the frame in ceiling.

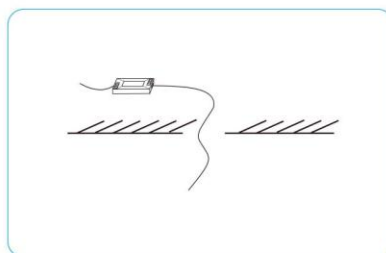


3, Assembling the final frame border

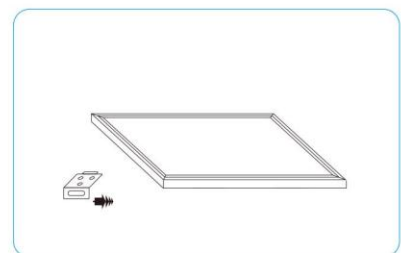
■ Mount-B



1, Fix the clip to ceiling with screw



2, Put driver inside the ceiling



3, Fix the panel to clips

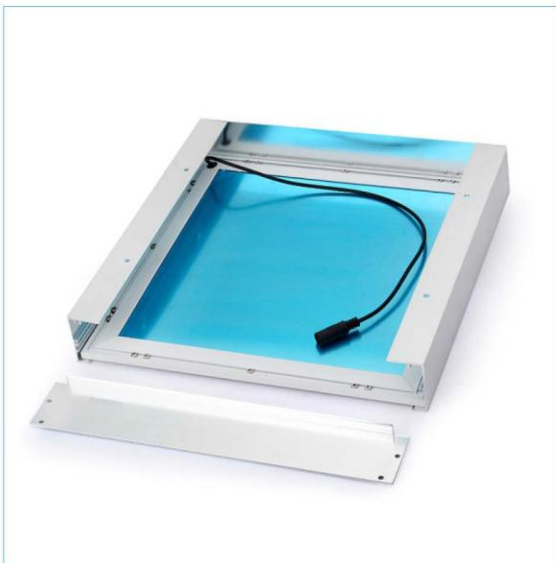
Installation Ceiling Mount Kits



1.The Scattered aluminum frame



2.Installation frame,fix frame to the top of the ceiling, insert panel lights

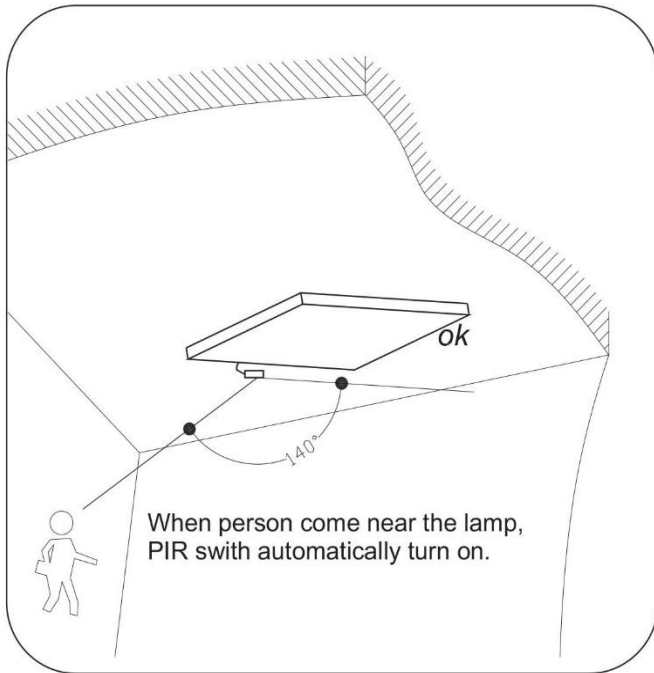


3.Assembling the final border



4.Installation complete

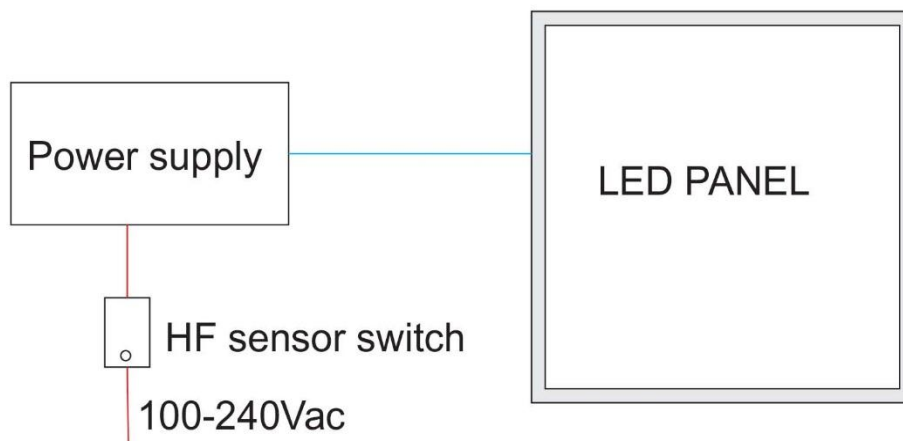
HF(High Frequent)-Sensor



- Automatic HF sensor light sensor is the use of the latest lighting technology combined with high-tech products, widely used in the staircase, hallway, bathroom, corridors and other public places.
- Built-in body sensor. People come in, the light turn on, people leave, the lights turn off. (delay about 30 seconds) without switch equipment.
- When the human body leave, it will automatically turn off after the delay(30 seconds), energy-saving and convenience.
- When the light is less than 10LUX (dark time), the body movement sensor light will automatically capture the low-frequency signals. It will light when people come and turn off when people leave.

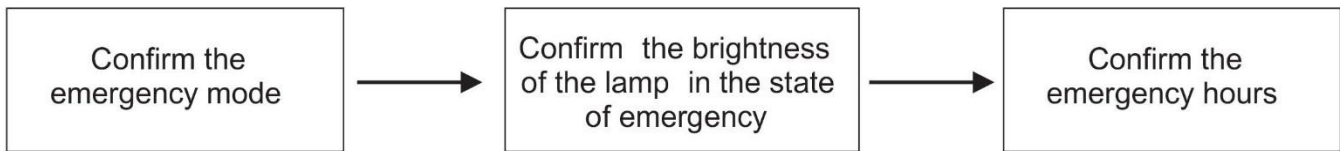
Technical Parameters

Sensing modes: high frequent body sensor + light control
 Delay time: 30 seconds
 sensing distance: ≤ 8 meters (20 °C ambient temperature)
 Sensing angle: 140 °.
 Illuminance sensor is less than 20LUX



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%~100%(30% suggested).

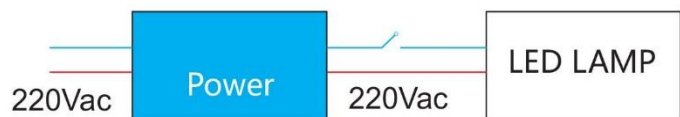
- Emergency hours

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

■ Circuit Connection Diagram

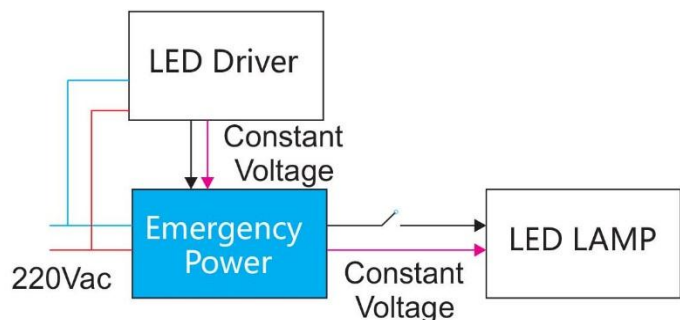
- Emergency Brightness 100%

Driver inside or constant current driver lamp must be 100% brightness when emergency hours.



- Emergency Brightness 20%~99 %

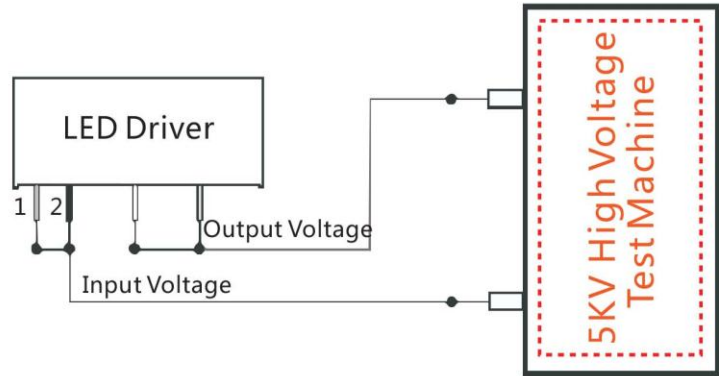
Driver outside and constant voltage driver lamp can be 20%~99% brightness when emergency hours.



High Quality Driver

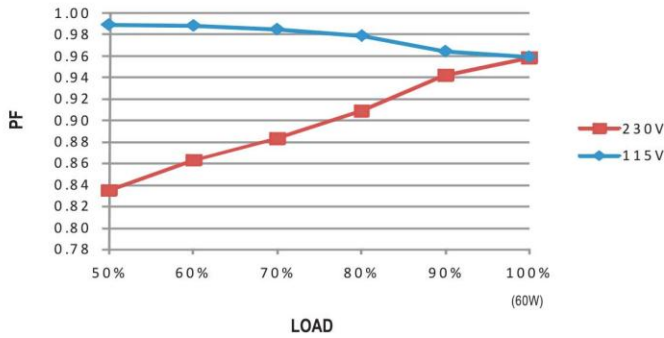
■ Isolated LED driver

Input Voltage: 3.75KV
 Test Seconds: 60s
 Test Result: Less 20ma



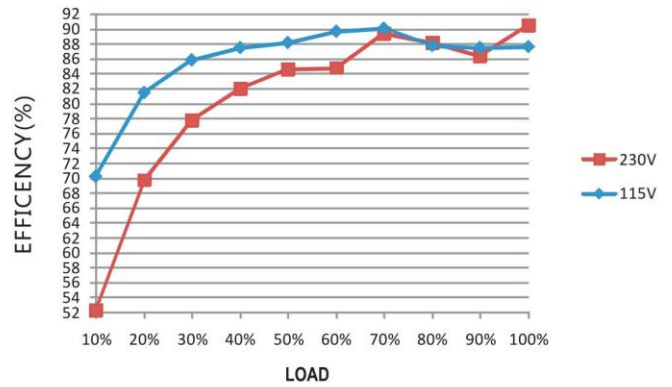
■ Power Factor Character

Constant Current Mode

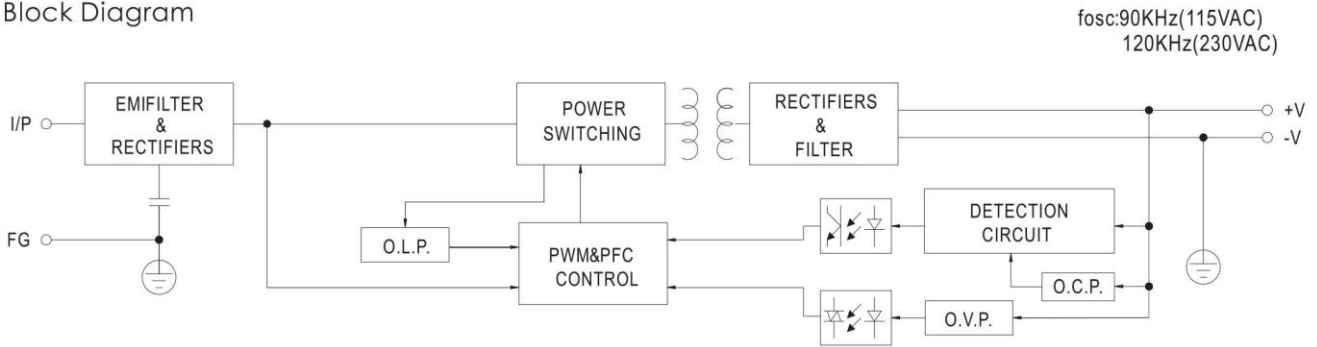


■ EFFICIENCY vs LOAD(48V Model)

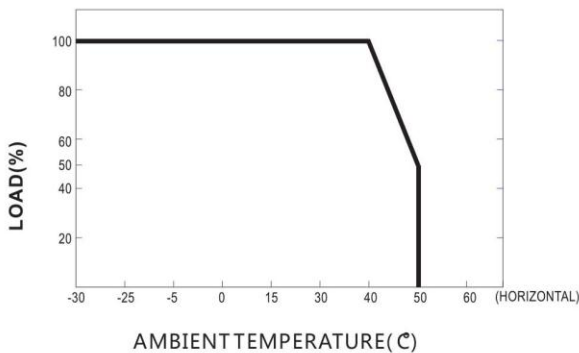
PLC-60 series possess superior working efficiency that up to 89% can be reached in field applications.



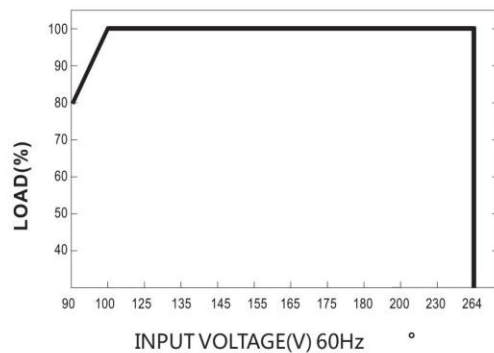
■ Block Diagram



■ Derating Curve



■ Static Characteristics



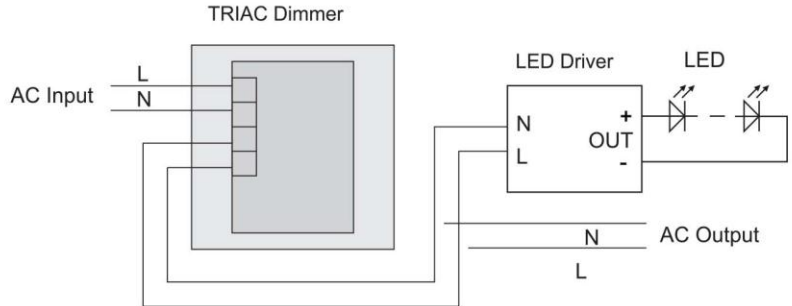
Traic Dimmiable Opintional

The dimmable solution also need a controller(CR-DMTR load 150W lamps max) to control dimmiable lamps. If Total lamps power over 150W, it also need a Amplier CR(AP-TR load 600W lamps max) .

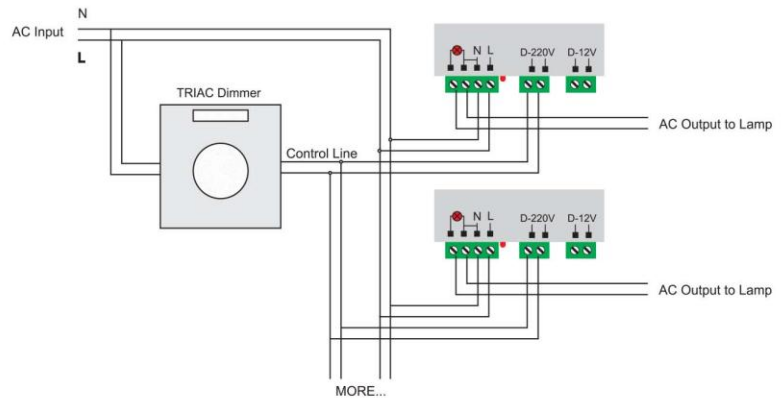


1. Long life, up to 50,000+ hours
2. Significantly reduces maintenance costs
3. Low wattage consumption
4. Electricity consumption reduced 80-90%

5. Vibration resistant, solid state electronic circuitry
6. Internal TVS surge protection
7. Low heat generation saves HVAC operating costs

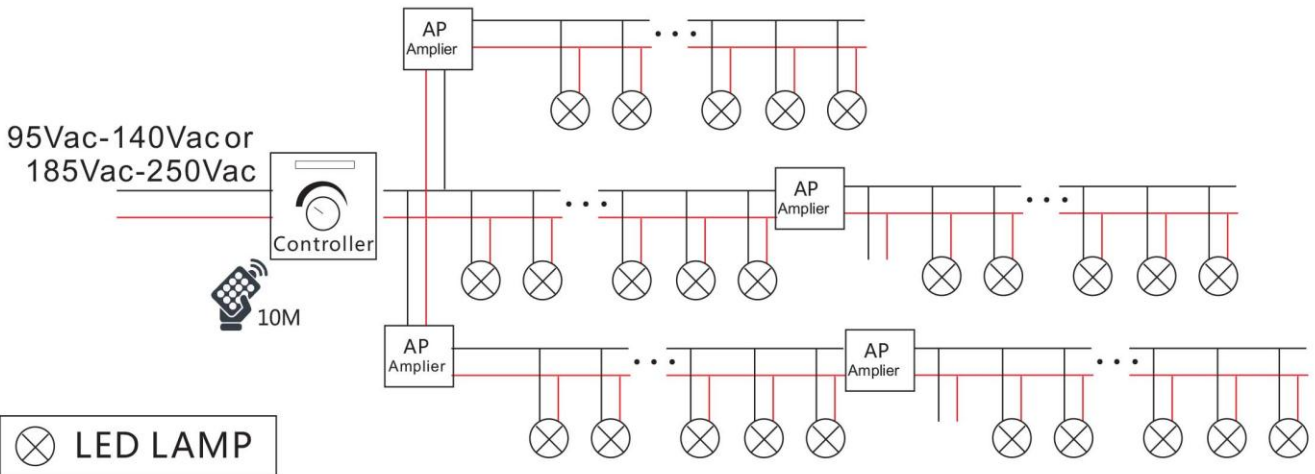


Infrared Remote Control TRIAC Dimmer CR-DMTR

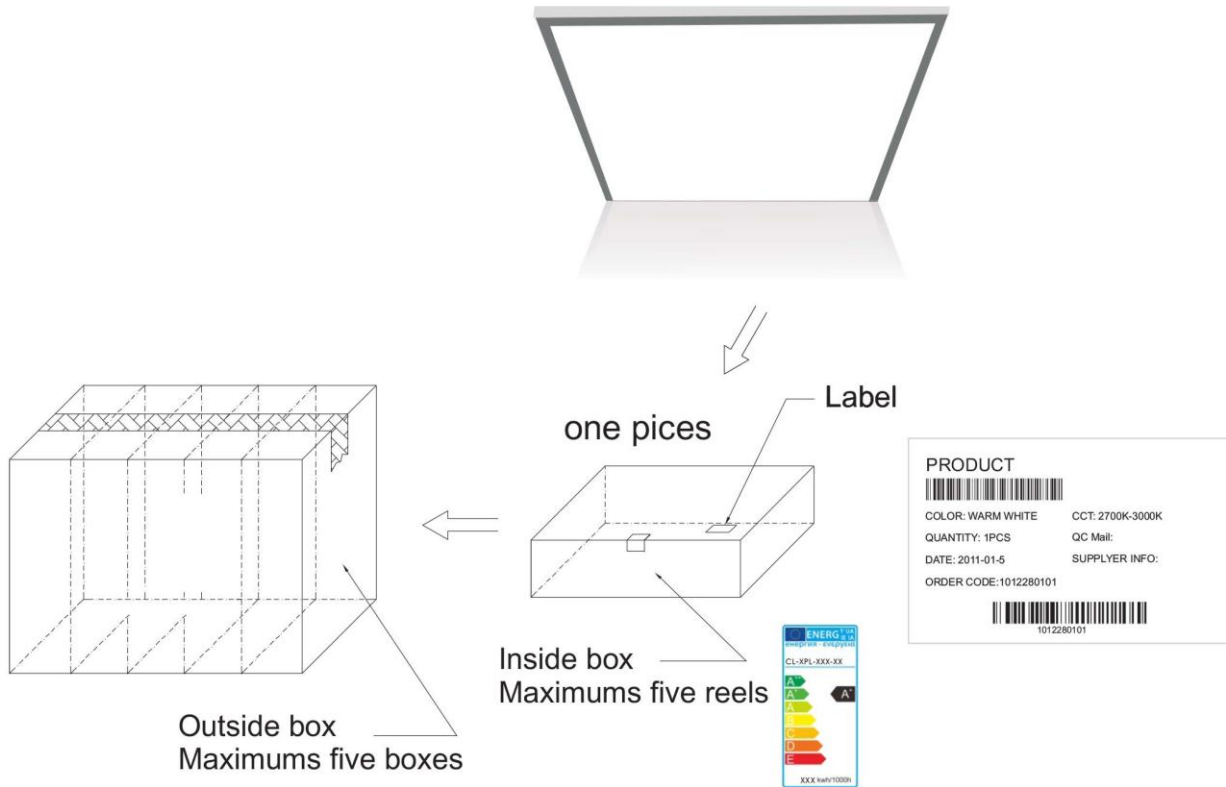


TRIAC Amplifier CR-AP-CR

Wiring Diagram



PACKING INFORMATION



STORAGE CONDITIONS



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.

After opening the package:

The LEDs should be kept at 30°C 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

- The components can not be mechanically pressed.
- Correct electrical polarity needs to be observed.
- Ensure the power is adapt to operate the total load.
- Installation must not damage the conducting paths on the circuit board.
- Parallel connection is highly required as safe electrical operation mode.
- Pay attention to ESD precautions during assembling.
- Assembly of LED modules includes power supplier must be appropriately.
- When installing on metallic or other surface, an electrical isolation point between strip and the installing surface is recommended.
- Only qualified person allowed to operate installations.



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.