

Entry / ECO

Standard / STD

Professional / PRO

ODM & OEM

Intelligent / INT



LED Panel Light
PL-DP-B Series





Tuya Smart

Function description

- Adjustable colours for selection
- Control it remotely via smartphone App
- Freely select any lighting scenes
- Energy saving achieved with programmable scheduling function





Introduction

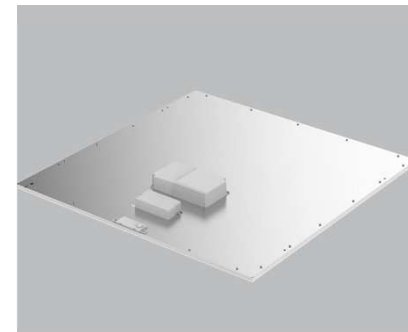
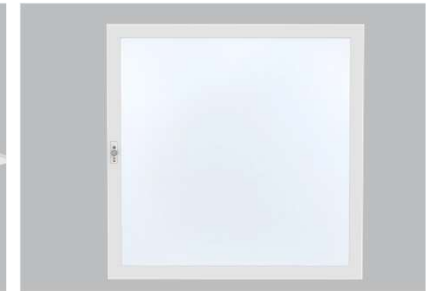
The smart panel light is a key energysaving strategy for commercial spaces, it is comprised of driver, smart control module and induction module. Connect Bluetooth between the mobile phone and the lamp, then the mobile phone APP can control the lamp. Users can adjust the brightness and color temperature of lamps according to their own needs. Automatic light supplement can also be realized by photosensor. The PIR sensor is used to switch the lamp, and the indicator light is used to display the on/off state of the photosensitive sensor and PIR sensor of the lamp.

Features and Advantages of Bluetooth Mesh Networking

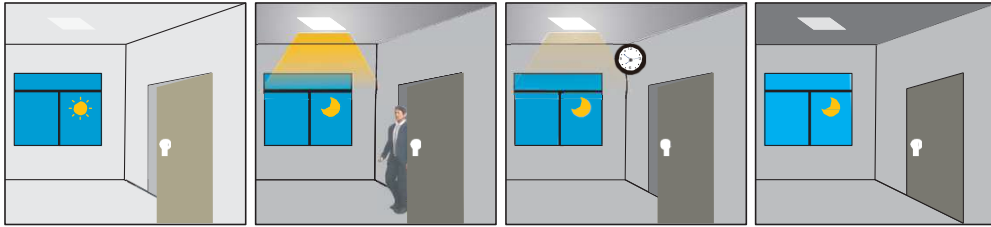
- Smart dimming : The brightness can be adjusted automatically according to the ambient light intensity which collected by photosensor.
- PIR sensor: It can be controlled by the infrared body sensor, the light will turn on automatically when human body goes to the detective area, and will dim down gradually after people leave, then it will turn off if no detection within the set time period.
- The mobile phone APP can adjust the brightness, color temperature, on/off state of the photosensor and PIR sensor.

Application Areas

Office & school lighting: office room, meeting room, class room etc.
Commercial lighting: shopping mall, super market, retailer shops etc.
Other situations: hospital, laboratory, dust-free workshop etc.

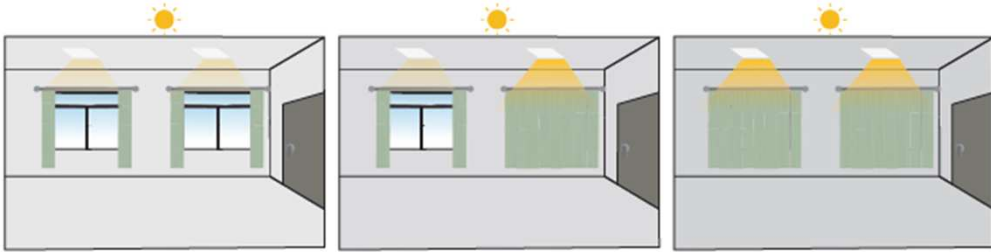


PIR sensor



1. If no human movement is detected, the lamp will keep off status.
2. If human movement is detected, lamp will turn on and keep a setting lux.
3. If human left the detection area, after the hold time, the lamp will enter into a second lux (lower setting lux).
4. If no human movement is detected within the second lux hold time, the lamp will turn off.

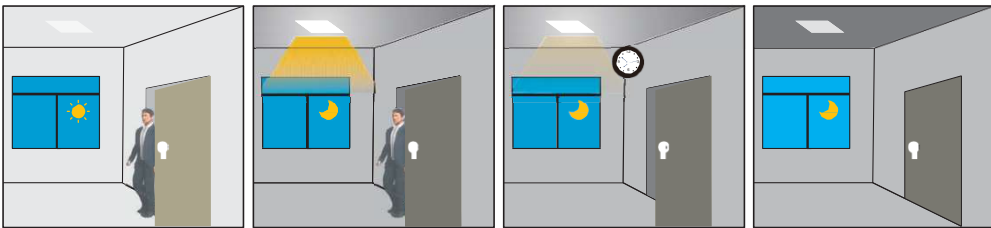
Photo sensor



The lamp will adjust the brightness automatically according to ambient light. If ambient light is strong, the lamp will adjust to a lower lux; if the ambient light is low, the lamp will adjust to a stronger lux.



PIR+Photosensor



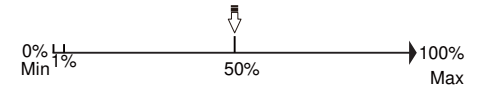
1. If ambient light is sufficient, lamp keeps OFF status.
2. If ambient light is insufficient, lamp will turn on @photo sensor setting lux when motion is detected.
3. After motion left the detection area, the lamp will dim to a lower lux within hold time.
4. After the hold time, the lamp will turn OFF.

Highlights

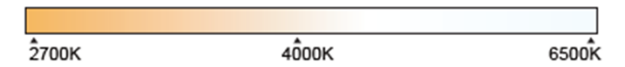
- Sensor Switch



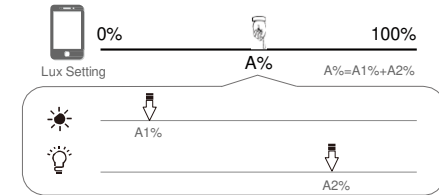
- Brightness Adjustable



- CCT Adjustable



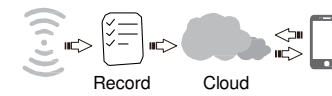
- Daylight sensor



- Time setting



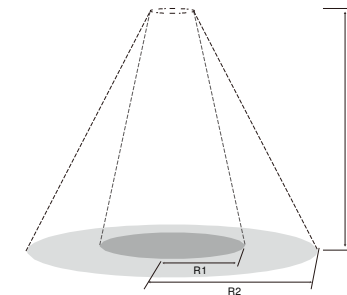
- Record



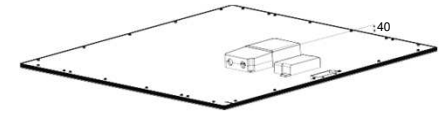
- Electricity consumption



- Distance Adjustable



Height	Minor Movement	Major Movement	Grade
	R1	R2	
3m	R1	R2	-
	2m	2.5m	High
	1.2m	1.8m	Middle
	0.6m	1m	Low



Technical Data Sheet

Code No.	PL6060-40W-DP-B	PL6262-40W-DP-B	PL30120-40W-DP-B
Dimension(mm)	595*595*8.5	620*620*8.5	1195*295*8.5
Cutout (mm)	-		
Watt(W)	40W		
Rated Input Voltage(V)	AC200-240V		
Input Voltage(V)	AC180-265V		
LED Module Input	-		
Light Source	4014 SMD		
SDCM	-		
CCT(K)	CCT: 2700K-6500K		
CCT Selection	Signal Control		
Luminous Flux (lm) ±5%	3300-4000LM		
CRI	≥80		
Beam Angle (°)	90°		
UGR	<19		
LED Driver	Built-out		
Dimming Option	Signal Control		
Sensor	YES		
Emergency Kits	-		
Electrical Class	ClassII		
Ingress Protection (IP Rating)	IP20		
Impact Resistance (IK Rating)	-		
Product Finishing(Base)	White RAL 9016		
Materials of Optics	PMMA		
Materials of Housing	Aluminum (Frame)+PMMA(LGP)		
Lifetime (hr)	40,000h		
Glow wire test (°C)	650°C		
Operating Temp. (°C)	-10°C~40°C		
Storage Temp. (°C)	-20°C~50°C		
Installation	Surface mount/ Pendant/ Recessed		

Measurement

Code	Dimension(mm)				Size(mm)	Product Weight (Kg)		Package weight (Kg)		Carton Size(cm)	Qty/CTN	20GP (pcs)	40HQ (pcs)
	A	B	C	D		N.W/PC	G.W/PC	N.W/CTN	G.W/CTN				
PL6060-40W-DP-B	595	595	8.5	32	595*595*8.5	3.1	3.5	12.4	15	66*20*67.5	4	1236	2860
PL6262-40W-DP-B	620	620	8.5	32	620*620*8.5	3.5	3.9	14	16.6	68*20*69.5	4	1212	2748
PL30120-40W-DP-B	1195	295	8.5	32	1195*295*8.5	3.1	3.5	12.4	15	126*20*37.5	4	1220	2696

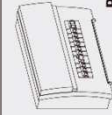
Driver Datasheet (Dimmable)

Total load wattage		40W
Output	Output Voltage range	30-40V
	Rated output current	1000mA±5%
	Line Regulation	±5%
	Setup, Rise Time	≤0.5S@230V
	Flickering Index	5%; IEEE1789 NO RISK
Input	Input Voltage	AC180-265V
	Rated Input Voltage(V)	AC200-240V
	Frequency	50/60HZ
	Input Current	0.25A
	Rated Input Current	0.23A
	Power Factor	0.9
	THD	<20%
	Efficiency	≥86%
Protection	No load wattage	≤0.5W
	Short circuit protection	Pass
	Over voltage protection	Pass
	Over temperature protection	-
Safety &EMC	Withstand voltage	I/P-O/P:3.75KVac,<5mA 60S;
	Isolation Resistance	I/P-O/P: 500VDC, ≥100M Ω
	Surge	IEC61000-4-5(L-N:1KV)
	EMC Emission	EN55015, EN61000-3-2
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11; EN61547

Installation Procedure

WARNING

1. Switch off before installation.
2. Switch on only after complete installation and examination of the circuit.



Turn Off
Power Supply

CAUTION

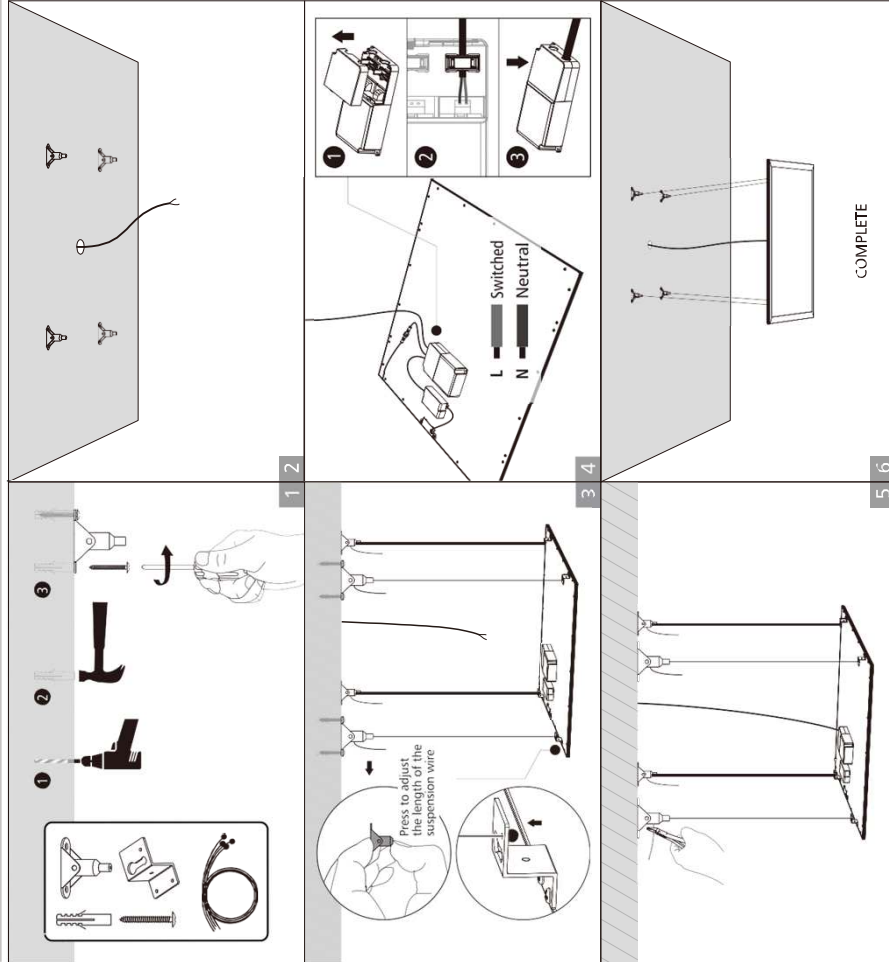
Make sure that the mounting surface or structural member used for installation can support the weight of LED Panel.

For color changeable model (controlled by Slide Switch in lamp), please select light color before installation, see below picture.

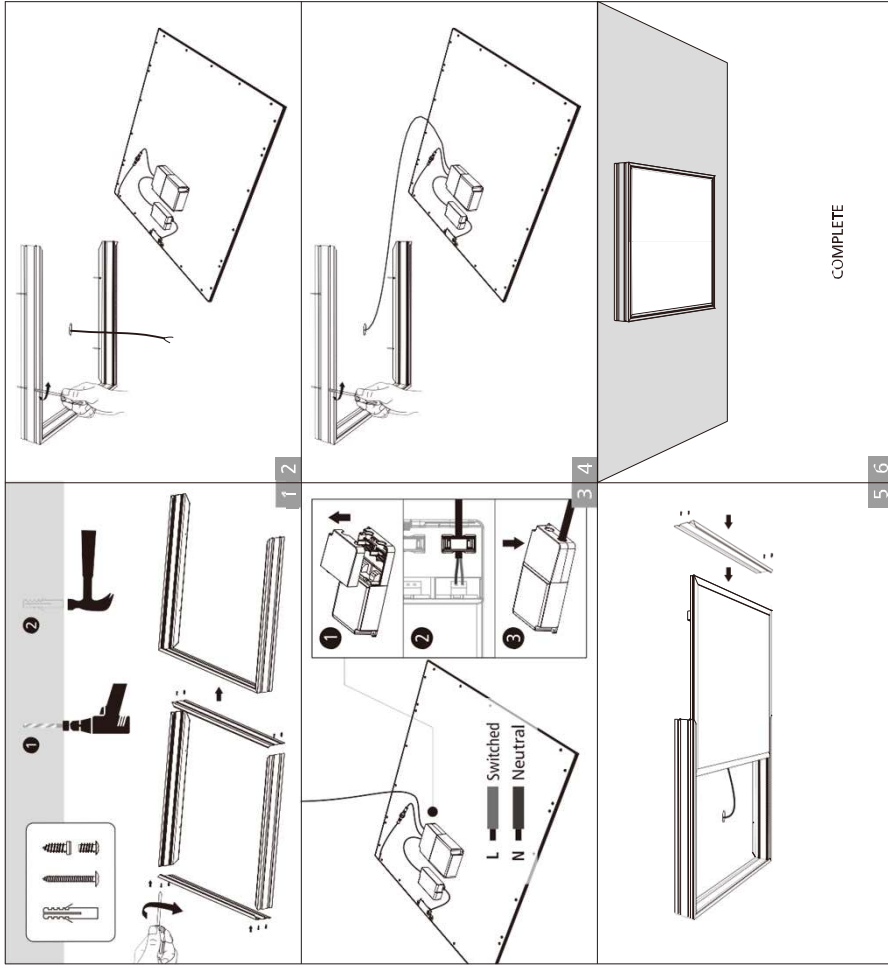


choose color by slide switch with corresponding color temperature.

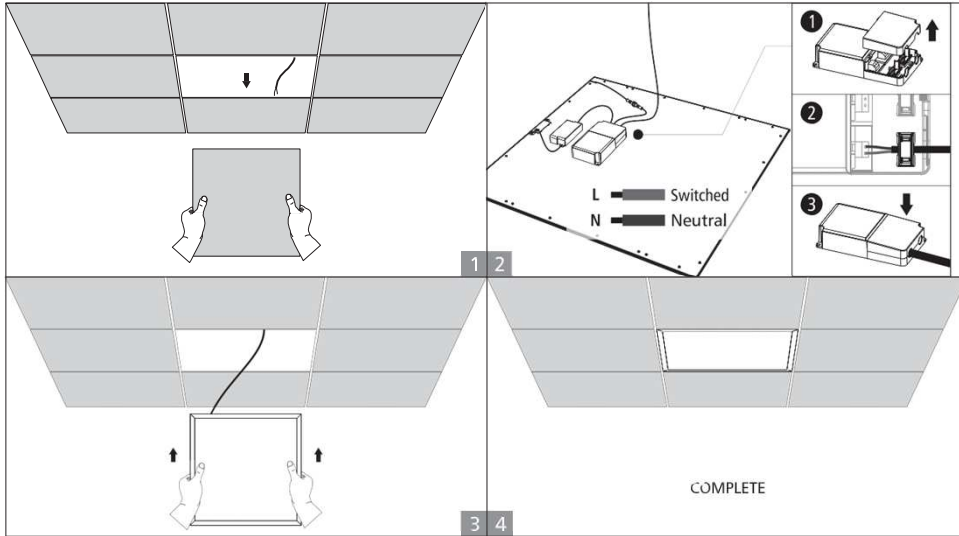
Suspended installation



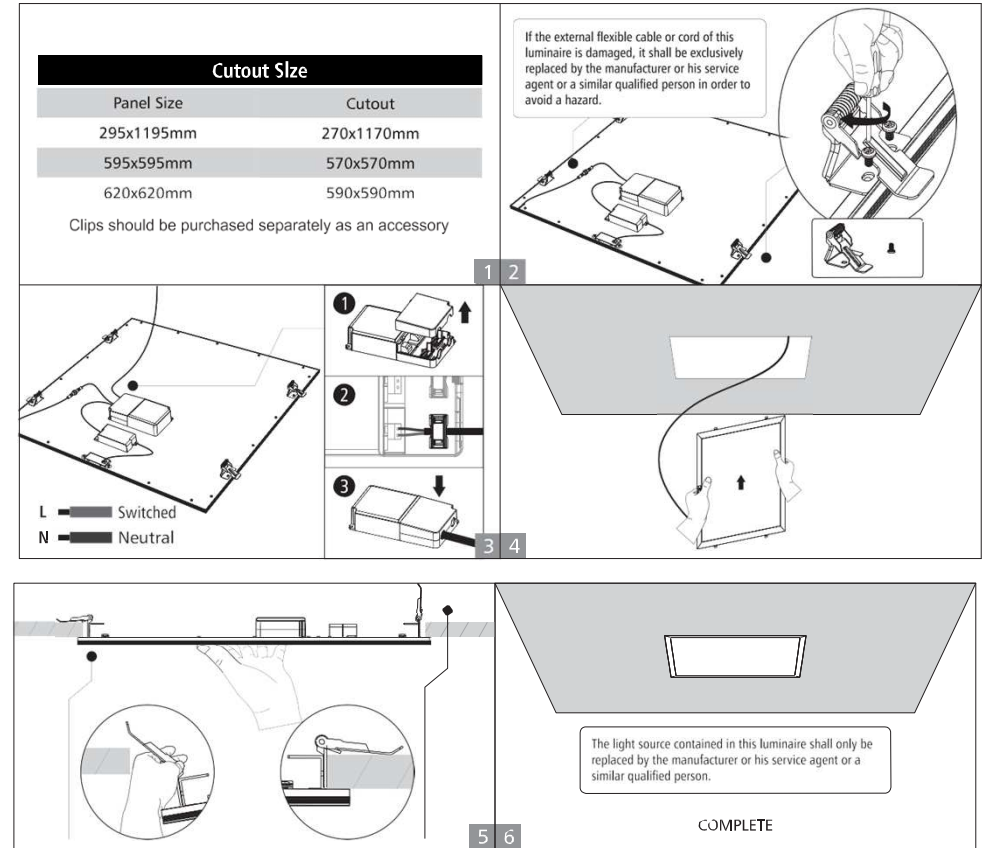
Surface mounte installation



Recessed installation (1)



Recessed installation (2)





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