PRODUCT OVERVIEW AND SPECIFICATIONS

FEATURES

- Even backlit illumination; low-glare design
- Selectable 20 / 25 / 30 / 35 / 40 W
- Selectable 4000 / 5000 / 6000 K
- 0-10 V dimming; CRI > 90
- Recessed, surface or suspended mounting



2 x 2 BACKLIT LED PANEL

THREE AVAILABLE CONFIGURATIONS

STANDARD

RY-PB03-2X2PZ1

Selectable wattage and CCT

EMERGENCY

RY-PB03-2X2PZ1-EM

8W / 15W emergency backup options

MOTION SENSOR

RY-PB03-2X2PZ1-MS

Integrated sensor configuration

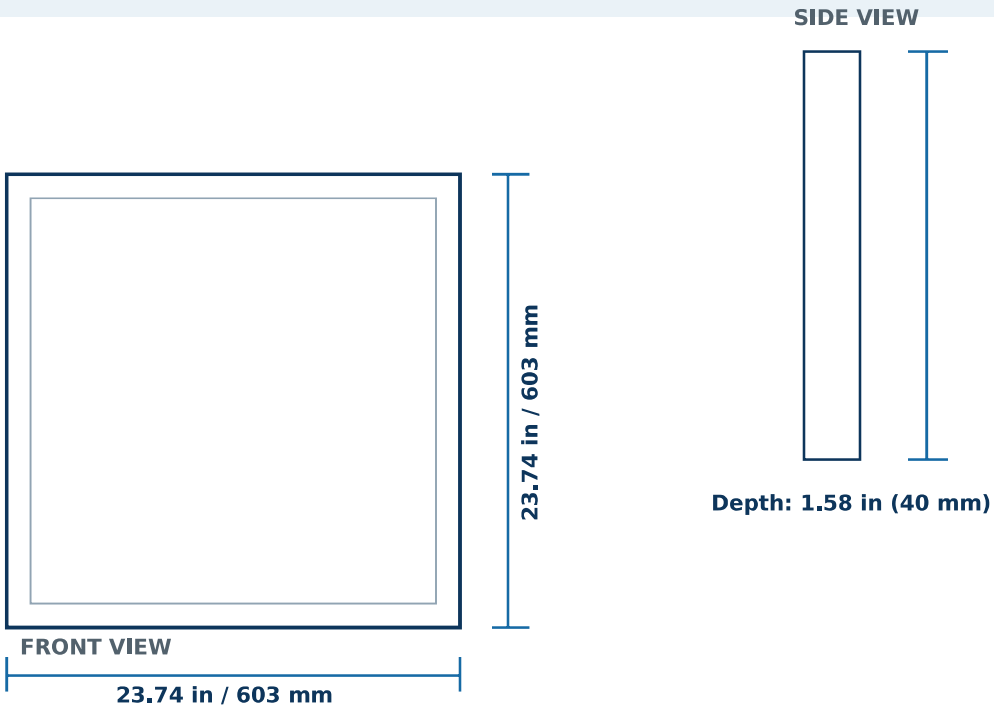
SHARED TECHNICAL SPECIFICATIONS

Input voltage	120-277 VAC
Wattage options	20 / 25 / 30 / 35 / 40 W
Output options*	2600 / 2900 / 3900 / 4800 / 5200 lm
CCT selection	4000 / 5000 / 6000 K
Dimming	0-10 V
CRI / Beam angle	>90 / 110°
Power factor	>0.9
IP rating	IP20 (indoor use only)
Rated life / Temp.	50,000+ hrs / -25 to +45°C
Certifications	See certification strip below

5 YEARS WARRANTY · Intertek · DLC PREMIUM · CCT Tunable · Wattage Adjustable · Dimmable · Emergency LED driver · JA8

DIMENSIONS, OPTIONS AND APPLICATION

2 X 2 FIXTURE DIMENSIONS



SELECT THE RIGHT CONFIGURATION

STANDARD

Everyday general illumination

Selectable CCT and wattage; 0-10 V dimming.

EMERGENCY

Backup-power projects

Listed with 8W or 15W emergency backup option.

MOTION SENSOR

Automated lighting control

Motion-sensor variant; settings by specific sensor.

APPLICATIONS / TECHNICAL NOTES

- Offices, schools, showrooms, retail spaces, airports and healthcare facilities.
- Use recessed, surface-mounted, or suspended installation methods as shown on later pages.

Obtain model-specific IES files and verify emergency output and sensor settings before release.

RAYCOS LIGHTING

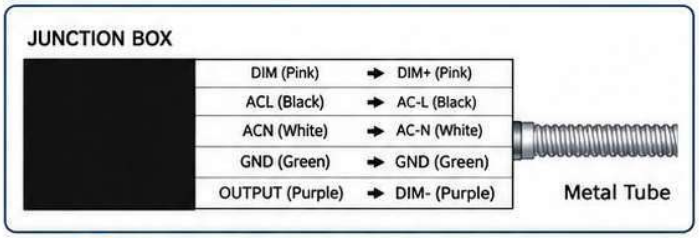
WIRING GUIDE



1 Remove the knock-down hole on box by screwdriver (Part A). Remove screw and take out the driver cover (Part B).

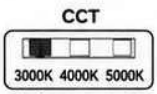


3 Cover the driver box and tighten it with a screwdriver, finish connection.

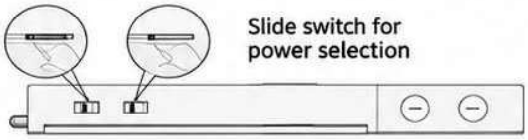


2 Connect the wire as the picture showing.

For the product with Slide Switch of CCT or power selection, please select the CCT or power needed before installation. (Ignore these steps if without the function)



Slide switch for color selection



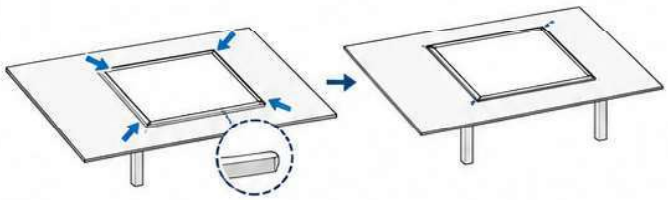


INSTALLATION INSTRUCTION

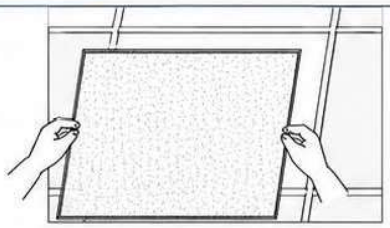
Lamp inspection before installation:

Please adjust the lamp with below steps before installation:

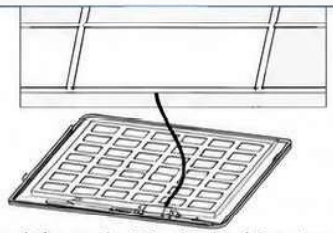
1. Press the opposite angles at the same time.
2. Press another two opposite angles at the same time, make sure the four angles are flat, then start the installation.
3. Take out the lamp from the box and put it in a flat table, if the lamp upwards.



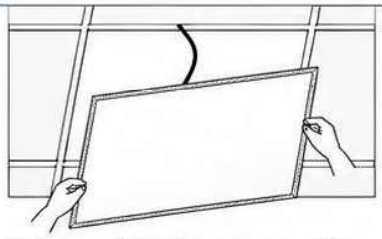
Recessed



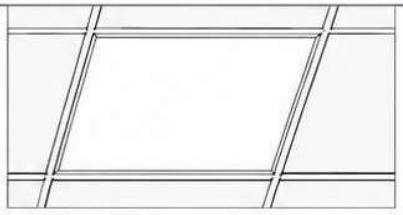
1 Remove the ceiling plaster slab.



2 Feed the main AC wire in driver terminal block respectively, connect the panel light and driver.



3 Fix the panel light into plaster ceiling.



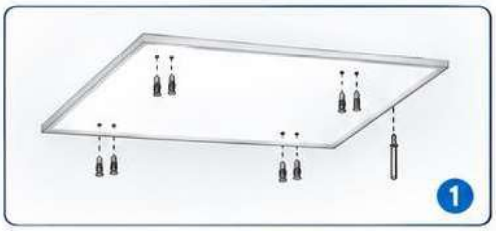
4 Make sure the LED panel light is firmly fixed, turn on the power.

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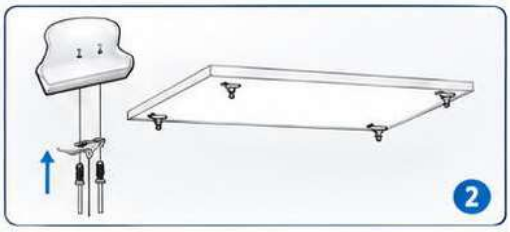
RAYCOS LIGHTING

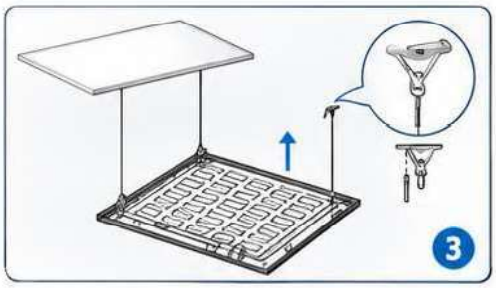
LED BACKLIT PANEL – INSTALLATION INSTRUCTIONS

Suspended

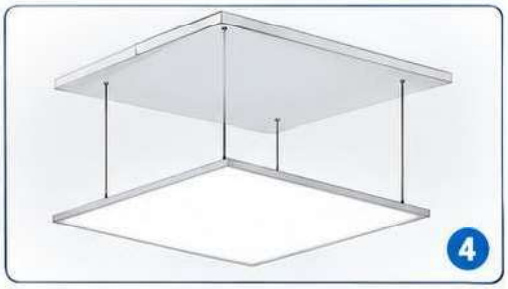


1. Place on the ceiling.
   Fix the anchor into target.
2. On the ceiling with plastic anchor.
   Fix the installation mount.

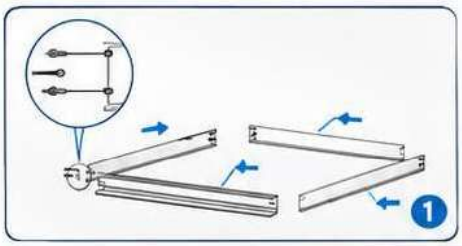


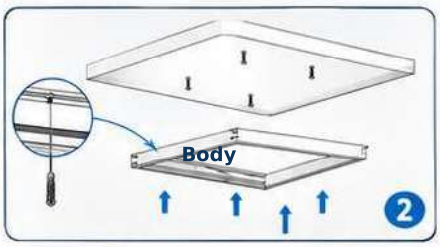


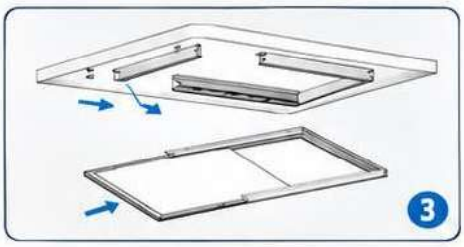
3. Suspended installation kits, adjust the length of steel wires. Hang the panel to ceiling with wire.
4. Driver terminal block respectively, turn on the power. Feed the main AC wire in.

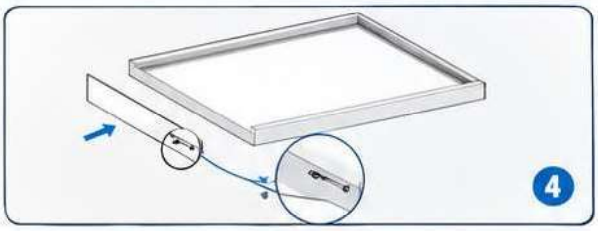


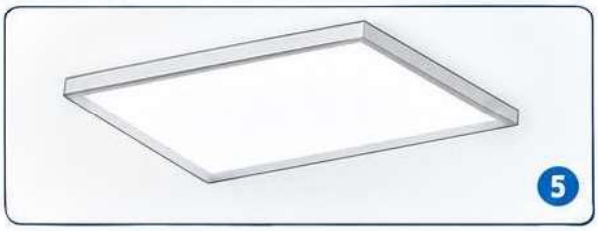
Surface Mounted





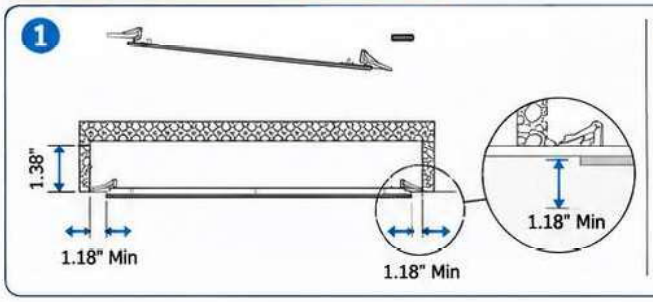






1. Assemble the surface mounted frame and fix by screws.
2. Knock the plastic anchor into ceiling, fix the surface mounted frame on the ceiling by screws.
3. Unscrew the side frame then take out, connect the panel light to power supply, insert the panel light into the frame.
4. Fix the side frame back by screw.
5. Make sure the frame and panel light are firmly fixed, turn on the power.

Recessed Mounting (Clips)





Cut Out Sizes		
Type	A (inch)	B (inch)
PL2X2	22.76"	22.76"
PL1X4	46.77"	10.94"
PL2X4	46.77"	22.76"

Clips should be purchased separately as an accessory.

WARNING: Input wire diameter ≥ 0.75mm². Product modification and improper installation are not valid for warranty!

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