INSTALLATION GUIDE

Installation guide
CLEANROOM PANEL Series



WARNINGS

- Risk of electric shock or fire. Disconnect power at the main breaker before installing or servicing.
- Installation must be performed by qualified personnel and comply with applicable codes: NEC, UL/ETL, ANSI and CSA.
- Before installing, verify that the line voltage matches the luminaire label (100–277 V~).
- Do not load or lean on the panel. Always hang it from the safety cable before connecting.

Dimensions and cut-out

Model	Size	Dimensions (L × W × H)	Ceiling cut-out
CLT-0606	2 × 2 ft	26.3 × 26.3 × 2.60 in	24.69 – 25 × 24.69 – 25 in
CLT-1203	1 × 4 ft	50.31 × 14.49 × 2.60 in	48.70 – 49.02 × 12.87 – 13.19 in
CLT-1206	2 × 4 ft	50.31 × 26.3 × 2.60 in	48.70 – 49.02 × 24.69 – 25 in

Compatible ceiling thickness: 0.5 – 3.9 in. Profile: 2.5 in.

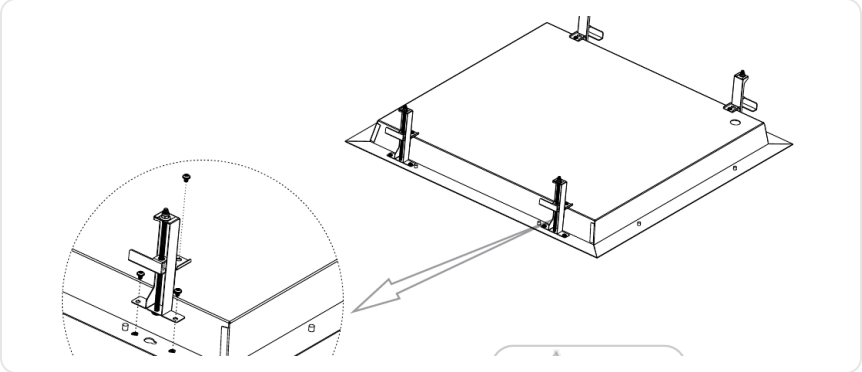
Contents and accessories

Each package includes: LED Cleanroom Panel luminaire, instructions and recessed kit (4 mounting clips).

Installation of CLEANROOM PANEL SERIES

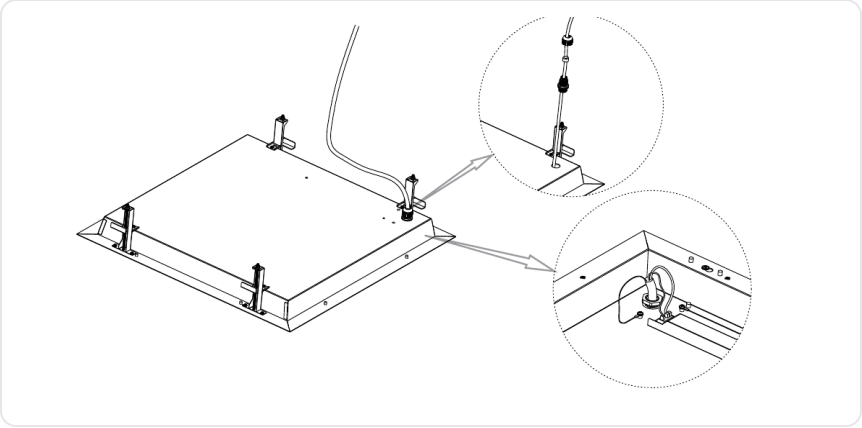
1 Install the recessed kit

Attach the 4 clips of the recessed kit to the luminaire frame.



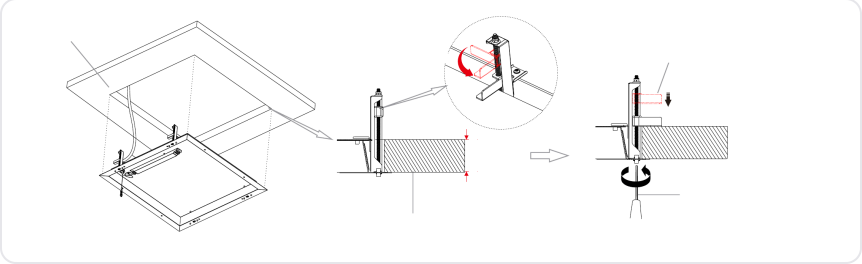
2 Secure the cable and connect the input

Secure the supply cable to the frame and connect the input wires to the driver.



3 Mount the back plate to the ceiling

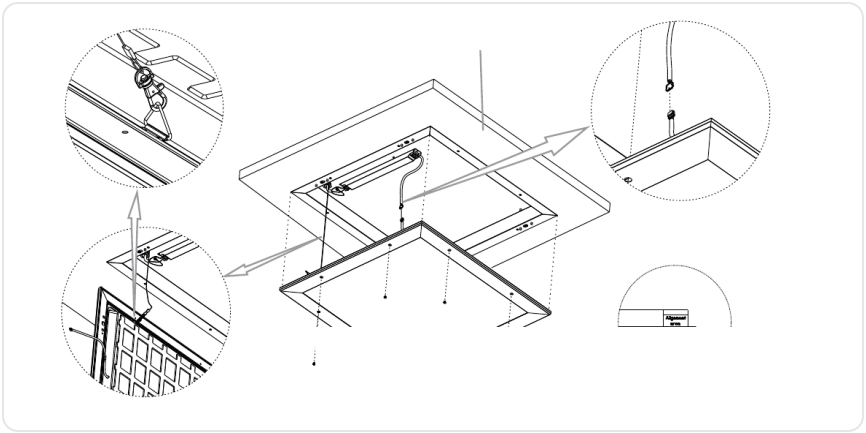
Place the back plate in the ceiling cut-out; the kit rotates 90° and fits ceilings 0.5 to 3.9 in thick. Adjust the kit to the ceiling thickness with a hex wrench.



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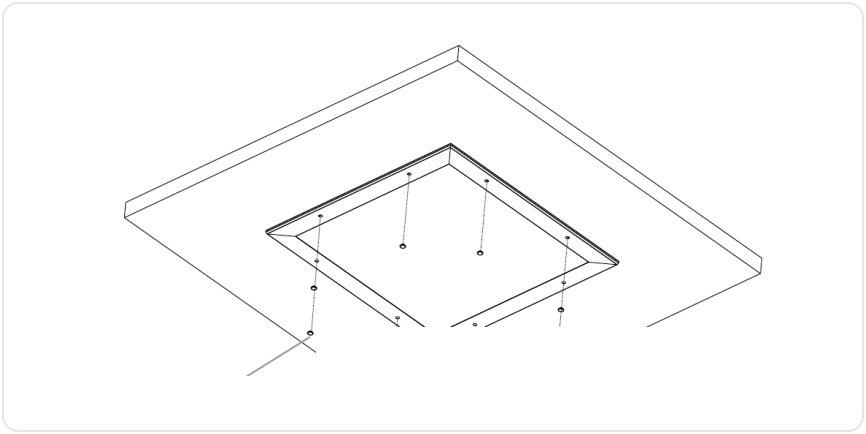
4 Hang and mount the panel

Hang the panel from the back plate with the safety cable, connect the driver to the panel and align the frame edge with the alignment indicator. Fasten with the screws.



5 Cover the screws

Fit the rubber covers over the screws.



Electrical connection

Terminal	Function
L / N	Line input 100–277 V~, 50/60 Hz
GND	Ground
DIM+ / DIM–	0–10 V dimming (optional)

Identify each wire per the luminaire label. Use approved connectors and insulate every exposed terminal.

> The power (5 steps) and color temperature (5 values) selectors are set in the field per the label before energizing.

Troubleshooting

Symptom	Cause	Solution
Luminaire does not turn on	No power or loose connection	Check the breaker, line voltage and connections
Light flickers	Loose connection or incompatible dimmer	Re-tighten connections; use 0–10 V dimming
Panel not flush	Kit not adjusted to ceiling thickness	Re-adjust the kit with the hex wrench

Optional accessories

Accessory	Specifications
Emergency battery backup 10 W / 90 min	Input 100–277 or 100–347 V~; output 170 V DC; charge time 24 h; LiFePO4 battery; automatic charging and discharging; test with remote control or app.
Infrared remote control	3 buttons; 10 m range; for the emergency battery backup: emergency test, demo and on/off.

Packaging

Model	Gross weight per carton	Pcs/carton	Carton dimensions
CLT-0606	33.1 lb	2	28.35 × 6.30 × 28.15 in
CLT-1203	35.9 lb	2	52.36 × 6.30 × 16.34 in
CLT-1206	60.8 lb	2	52.36 × 6.30 × 28.15 in

Contact

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> For warranty and technical support, keep this document and the luminaire label.