



JADEMAR LIGHTING JFPW-CPS Series Sensor Based Dual Selectable Flat Panel Instruction Manual

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JADEMAR LIGHTING JFPW-CPS Series Sensor Based Dual Selectable Flat Panel



Product Information

- **Specifications:**

- **Model:** JFPW-CPS SERIES
- **Type:** Sensor-based Dual Selectable Flat Panel
- **Power Input:** 120-277V
- **LED Driver:** Dimmable
- **Compliance:** IEC 0-10V

Product Usage Instructions

- **Installation:**

- Turn off the power supply from the main circuit breaker before starting.
- Unpack the unit and inspect for defects. Wear work gloves to prevent transferring dirt and oil to the luminaire.
- Clean the luminaire with a dry cotton cloth if needed, avoiding the use of hazardous chemicals.
- Lift the four mounting clips on the sides of the luminaire using pliers or by hand with work gloves.
- Insert the luminaire into the T-bar ceiling grid and secure the safety cable to meet local seismic requirements.
- Remove the electrical enclosure cover, and carefully remove knockout for AC line input wires and 0-10V control line.
- Install listed electrical fittings in the knockout holes for wire protection if necessary.
- Connect the AC line (L, N, and GND) to the LED Driver using 18-14AWG wire.
- When connecting the 0-10V dimming controller, run wires through a separate knockout hole equipped with an appropriate electrical fitting.
- Follow wire connection instructions and ensure separate knockouts for AC input and dimming controller wires.

- **Mounting Instructions:**

- Replace existing earthquake tabs with provided brackets for fixing adjustable cables.
- Pull cable A through the provided flange and secure it with self-tapping screws onto the ceiling.
- Insert the end of cable A into the hasp attached to cable B and adjust both cables to the desired height

and angles.

- Hook the luminaire to hooks on cable B and make final adjustments.
- Connect the LED driver to AC mains power.

FAQs

- **Q: Can I use hazardous chemicals for cleaning the luminaire?**
 - **A:** No, it is not recommended to use hazardous chemicals. Clean with a dry cotton cloth.
- **Q: How should I connect the 0-10V dimming controller?**
 - **A:** Run wires from the controller through a separate knockout hole equipped with an appropriate electrical fitting. Follow wire connection instructions carefully.

SAFETY WARNINGS

WARNING

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance on this equipment, follow these general precautions.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- For the installation: If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code.
- To prevent wiring damage or abrasion, do not expose wiring to the edges of sheet metal or other sharp objects.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

WARNING

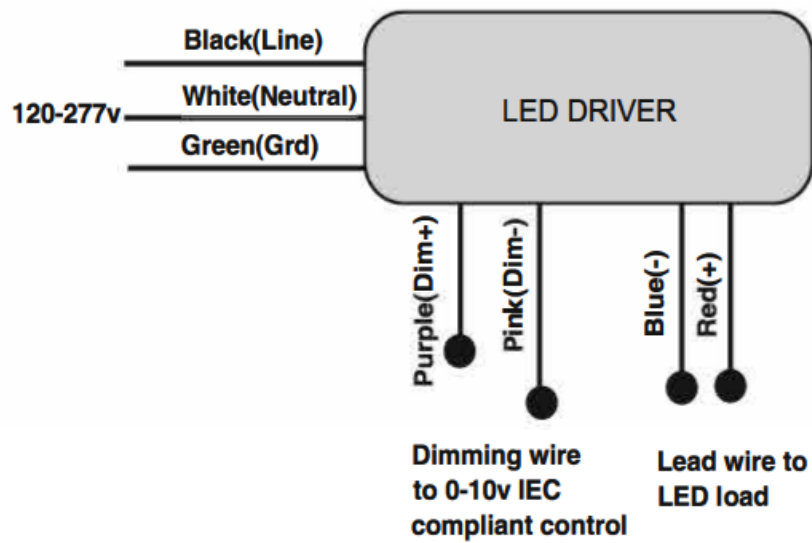
- Turn off electrical power at the fuse or circuit breaker box before wiring the fixture to the power supply.
- Turn off the power when you perform any maintenance.
- Verify that the supply voltage is correct by comparing it with the luminaire label information.
- All wiring connections should be capped with UL-approved wire connectors.

CAUTION

- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy packing material, as these may be hazardous to children.
- Risk of burn. Disconnect the power and allow the fixture to cool before changing the bulb or handling the fixture.
- **NOTICE:** Green ground screw provided in the proper location. Do not relocate.
- **NOTICE:** Minimum 90°C supply conductors.
- **NOTICE:** Specifications and dimensions are subject to change without notice.

- **NOTICE:** Suitable for Dry or Damp location, Type IC.

General Wiring Diagram



INSTRUCTIONS

INSTRUCTIONS: Always turn off the power supply from the main circuit breaker first!

Recessed Mounting

- Carefully unpack the unit and properly inspect for defects before installing. Wear work gloves to prevent dirt and oil from being transferred to the luminaire. If cleaning is needed, use gloves and a dry cotton cloth. It is not recommended to use hazardous chemicals.
- Lift four mounting clips on the sides of the luminaire. You can do it by hand(Do wear work gloves) or use pliers

Figure 1

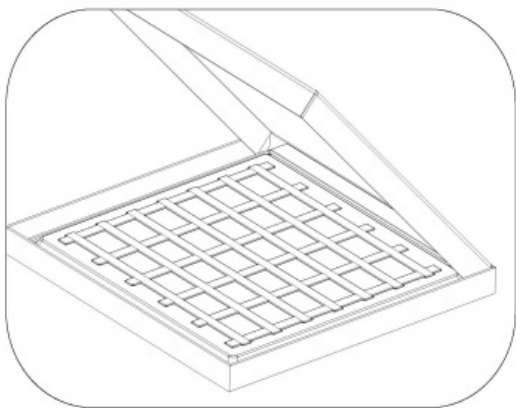
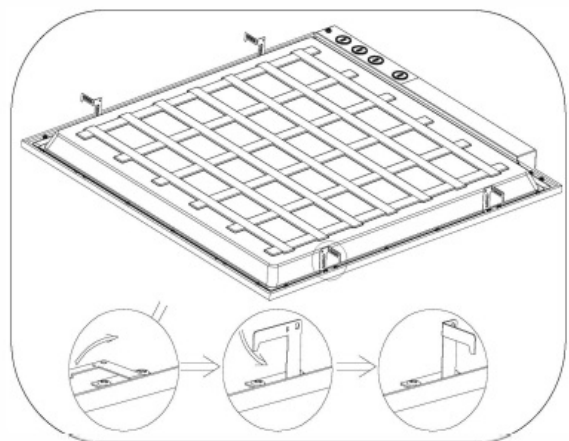


Figure 2



- Insert luminaire into a T-bar ceiling grid. Secure safety cable to connection hole as needed to meet local seismic requirements. Safety cable and method of attachment to the building provided by the contractor according to local building codes.
- Remove the electrical enclosure cover. Carefully remove knockout for AC line input wires and 0-10V control line. Install listed electrical fittings in the knockout holes for wire protection if needed.

Figure 3

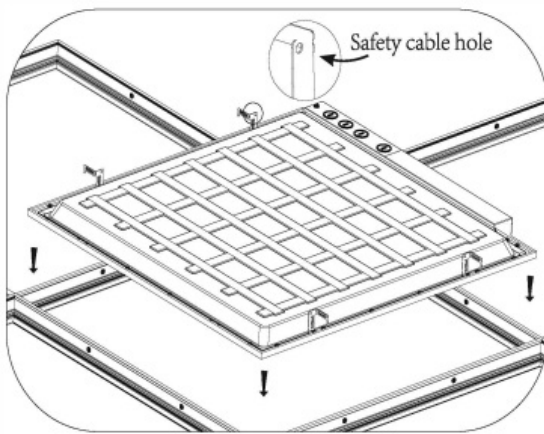
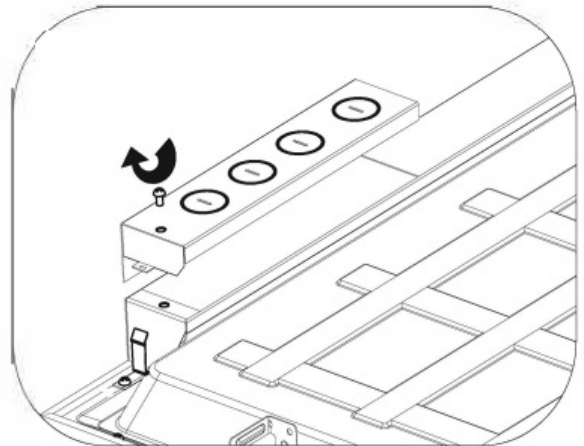


Figure 4



- Plug-in AC line (L and N, and GND) to the LED Driver using 18-14AWG Wire. When connecting the 0-10V dimming controller, wires must run through a separate knockout hole equipped with an appropriate electrical fitting.
- Follow wire connection instructions. When using the 0-10V dimming controller Run wires from the controller through a different knockout than the AC input wire. Don't forget to return the electrical enclosure cover and tighten the screws.

Figure 5

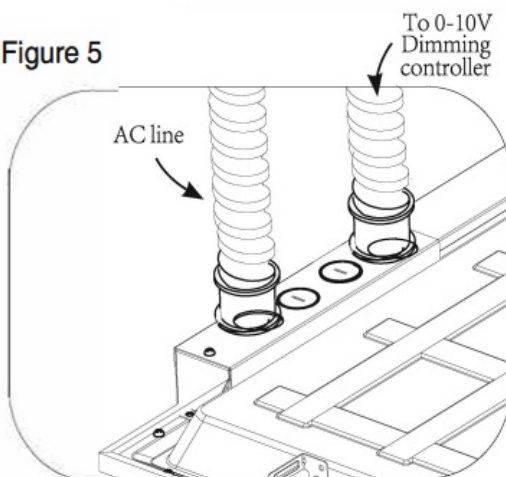
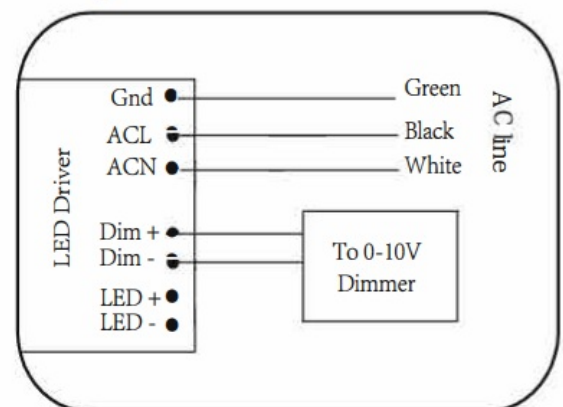


Figure 6



Cable Suspended Mounting

Figure 1

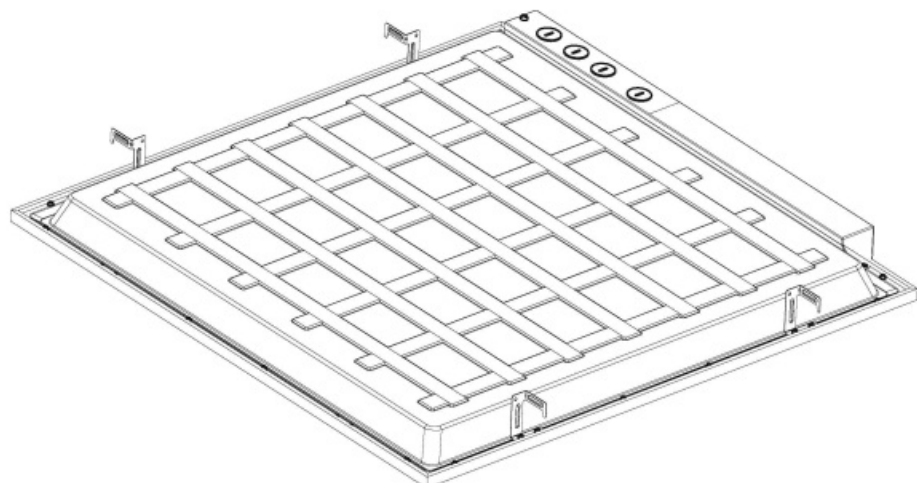
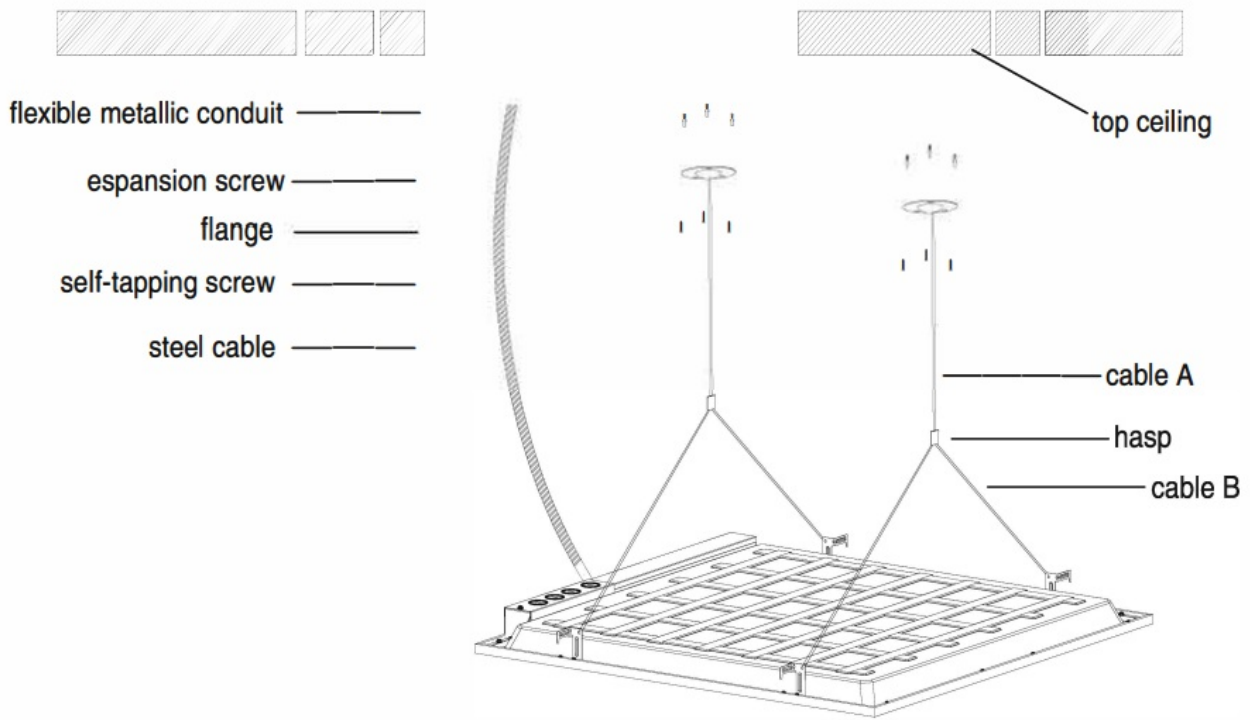


Figure 2

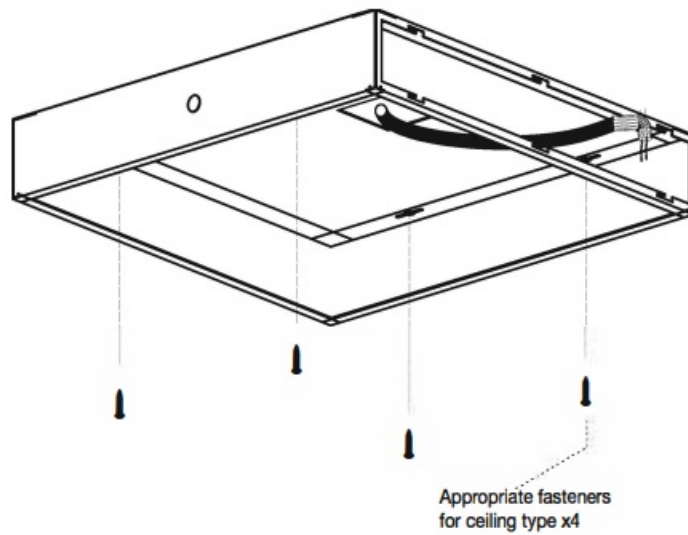


Installation Steps

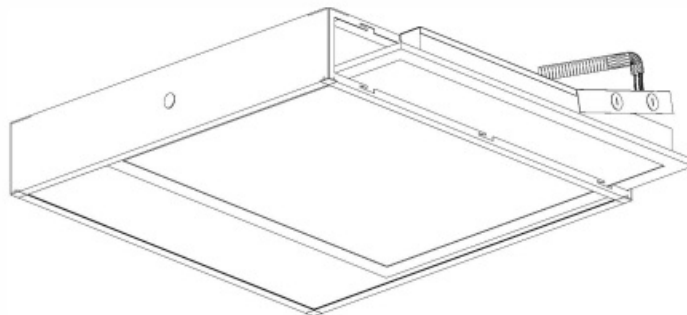
- **Step 1:** Replace the exiting earthquake tabs with the provided brackets which are used for fixing adjustable cables.
- **Step 2:** Pull the end cap of cable A through the provided flange and make sure the end cap is positioned in the flange. Fix the flanges onto the ceiling by the self-tapping screws.
- **Step 3:** Insert the end of cable A into the hasp attached to the cable. Then adjust cable A to be desired height and adjust cable B to the desired angles.
- **Step 4:** Hook the luminaire up to the hooks attached to the other end of cable B and make final adjustments.
- **Step 5:** Connect the LED driver to the AC mains power.

Surface Mounting Kit

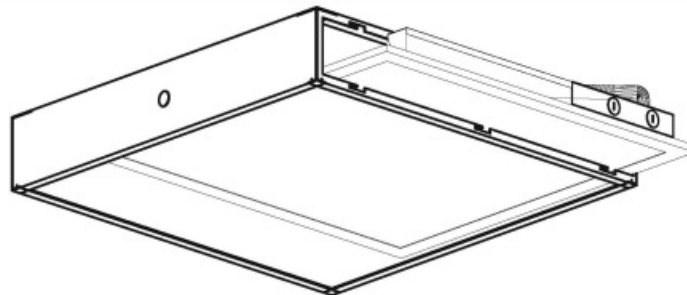
1. Using the appropriate dimensions and fasteners after properly measuring the placement of the surface mount frame. Choose the opening part as close as possible to the junction box prior to securing the surface mount frame to the ceiling. Ensure the frame is square, then slide horizontally till the end of slots before fully securing the frame to the ceiling.



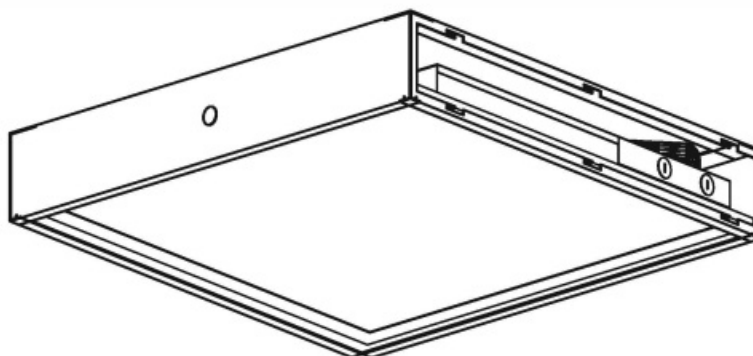
2. Put the wire conduit hose as close as possible to the surface mount opening before placing/inserting the luminaire into it partially.



3. Make all electrical connections according to local code and make sure the wire conduit hose is long enough for the wiring connection job.

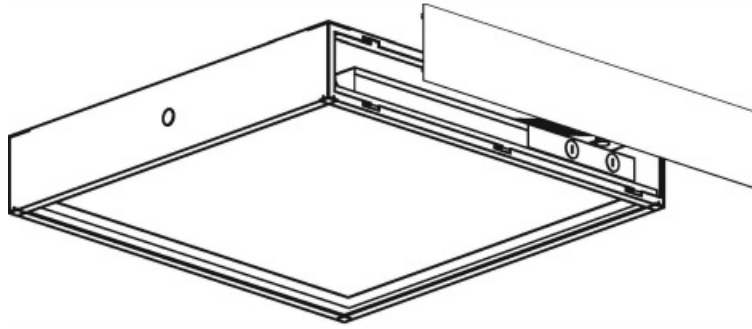


4. Push the conduit hose back into the surface mount frame properly, and insert the luminaire fully into the frame. When installed properly, the luminaire will rest on the flanges of the surface mount frames. If the luminaire is not resting properly on the flanges, lift it and shift it until it rests in place.

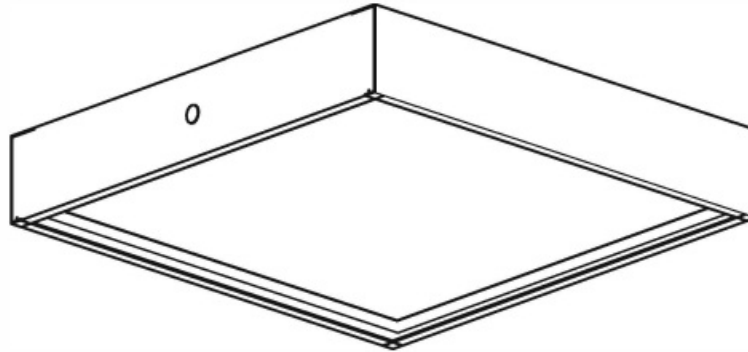


5. Place the last frame into the slots, then slightly slide the last frame to the left, and make sure it gets locked

tightly.

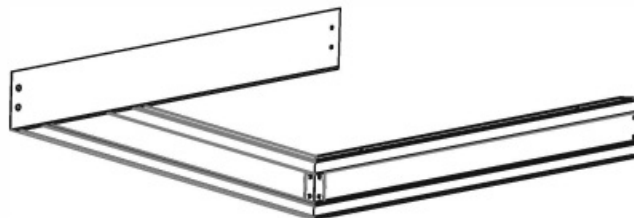


6. Installation completed. The fixture is ready to power on.

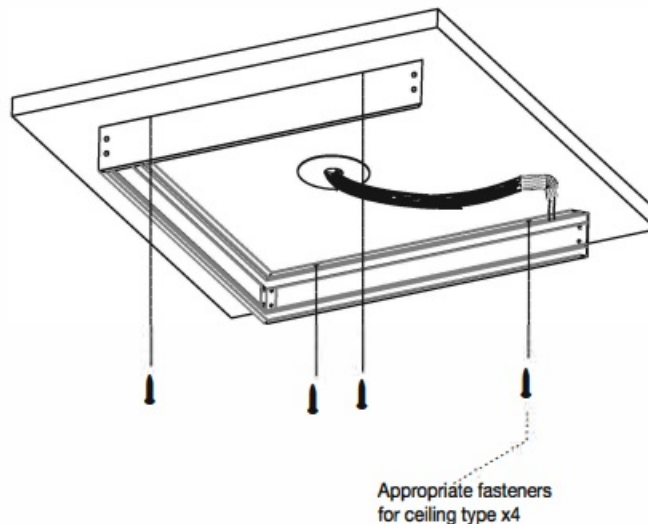


Surface Mounting Kit

1. Using the appropriate dimensions and fasteners after property measuring the placement of the surface mount frame.

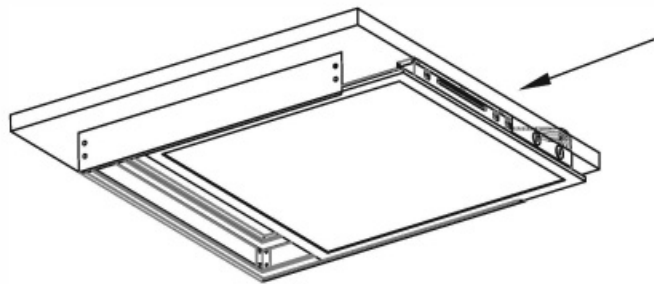


2. Choose the opening part as close as possible to the junction box before securing the surface mount frame to the ceiling. Ensure the frame is square. then slide horizontally till the end of slots before fully securing the frame to the ceiling.

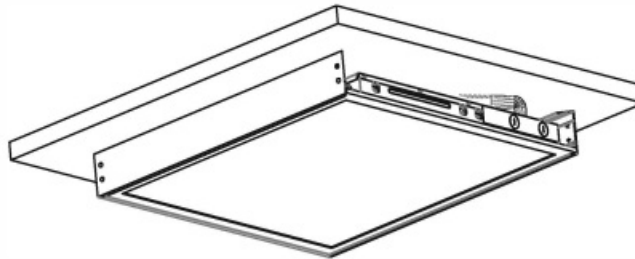


3. Put the wire conduit hose as close as possible to the surface mount opening before placing/inserting the luminaire into it partially. Make all electrical connections according to local code and make sure the wire conduit

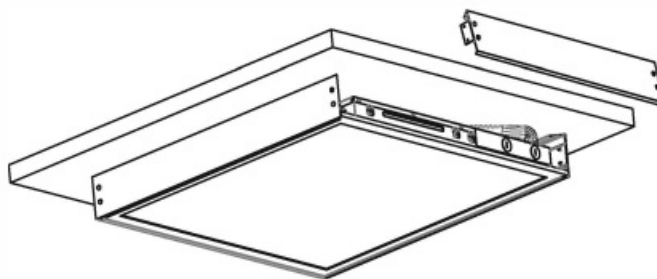
hose is long enough for the wiring connection job.



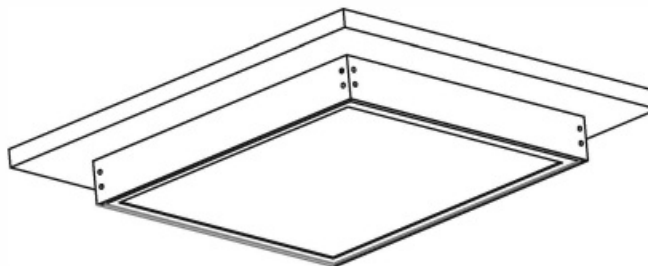
4. Push the conduit hose back into the surface mount frame properly, and insert the luminaire fully into the frame. When installed properly, the luminaire will rest on the flanges of the surface mount frames. If the luminaire is not resting properly on the flanges, lift it and shift it until it rests in place.



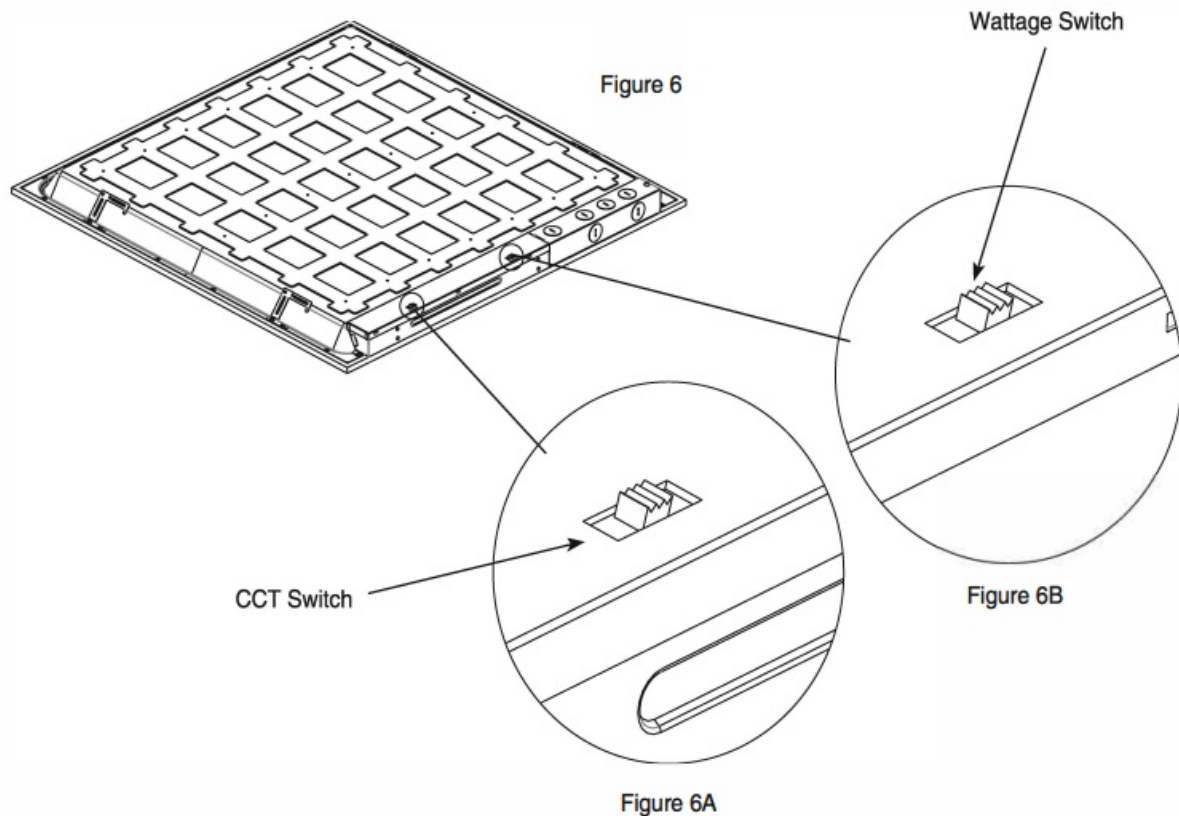
5. Place the last frame into the slots, then slightly slide the last frame to the left, make sure it gets locked tightly, and join the last frame to the rested frames by fastening them together with appropriate fasteners.



6. Installation completed. The fixture is ready to power on.



Field-Adjustable Wattage & CCT



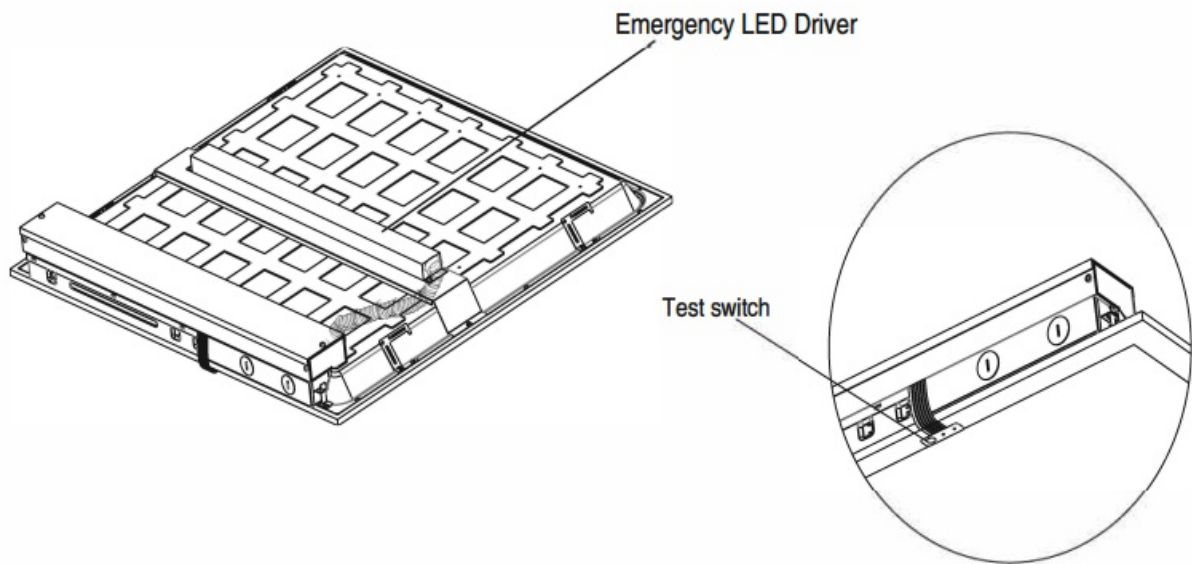
The end users may adjust the color temperature and lumen output respectively by the two DIP switch buttons integrated into the driver. Each DIP switch is accommodated with 3 options (left, middle and right), corresponding to 3 colour temperatures and 3 powers respectively, which can perform the desired colour temperature and lumen output combination.

Factory Settings: please see the product label on the fixture.

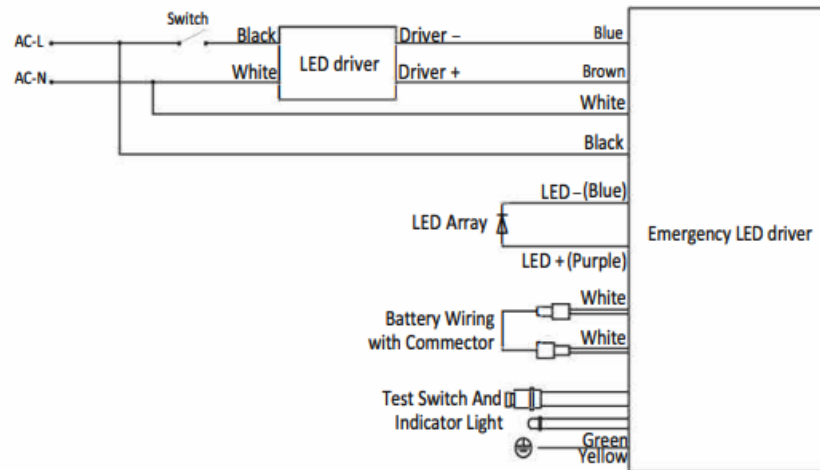
1. DIP switches are located in the drive box. (see Fig.6)
2. Select a wattage and colour temperature by sliding the switch left or right respectively to the desired value. (see Fig.6A)

Additional Accessories

Emergency Battery Back-up

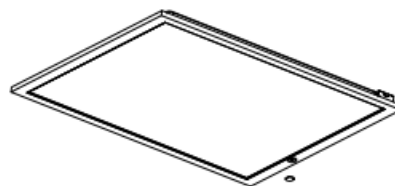
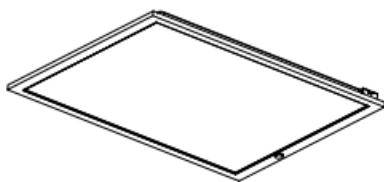


Wiring Diagram

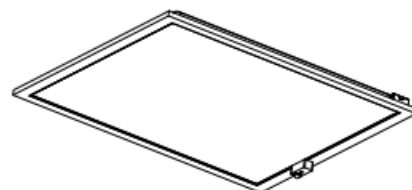
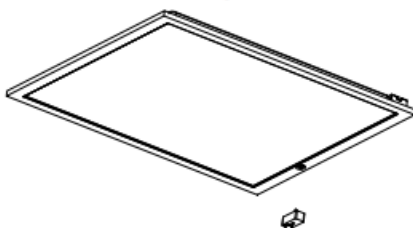


Sensor

Remove the rubber plug.



Insert the sensor into receptacle audio jack and rotate the sensor to a tight attach.

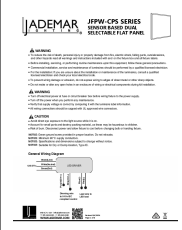


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- Revised 04/2024



Documents / Resources

	<p>JADEMAR LIGHTING JFPW-CPS Series Sensor Based Dual Selectable Flat Panel [pdf] Instruction Manual</p> <p>JFPW-CPS Series Sensor Based Dual Selectable Flat Panel, JFPW-CPS Series, Sensor Based Dual Selectable Flat Panel, Based Dual Selectable Flat Panel, Dual Selectable Flat Panel, Selectable Flat Panel, Flat Panel, Panel</p>
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References

- [User Manual](#)

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