

## IMPORTANT SAFEGUARDS

**PLEASE CONSULT A QUALIFIED ELECTRICIAN FOR INSTALLATION.** Ensure you read the instructions thoroughly before installing and using the luminaire.

**To reduce the risk of death, personal injury, or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards, please:**

- Carefully read all warnings and instructions provided in the fixture box and on all fixture labels.
- Prior to installation, servicing, or routine maintenance, adhere to the following general precautions.
- Ensure that the installation, servicing, and maintenance of luminaires are carried out by a qualified, licensed electrician.
- For installation: If you are unsure about the installation or maintenance of the luminaires, consult a qualified, licensed electrician and refer to your local electrical code for guidance.
- To prevent wiring damage or abrasion, avoid exposing wiring to the edges of sheet metal or other sharp surfaces.
- Do not create or alter any open holes in the enclosure of wiring or electrical components during kit installation.

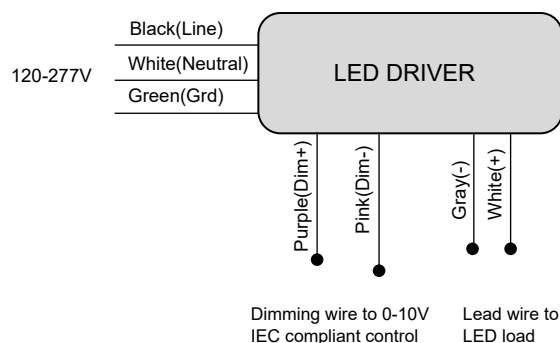
### WARNING: RISK OF FIRE OR ELECTRICAL SHOCK

- Turn off the electrical power at the fuse box or circuit breaker before connecting the fixture to the power supply.
- Ensure the power remains off while performing any maintenance.
- Confirm that the supply voltage matches the specifications indicated on the luminaire label.
- Perform all electrical and grounding connections in compliance with the National Electrical Code and applicable local codes.
- Use UL-approved wire connectors to securely cap all wiring connections.

### CAUTION: RISK OF INJURY

- Avoid direct eye exposure to the light source when it is illuminated.
- Keep track of small parts and dispose of packing materials properly, as they may pose a hazard to children.

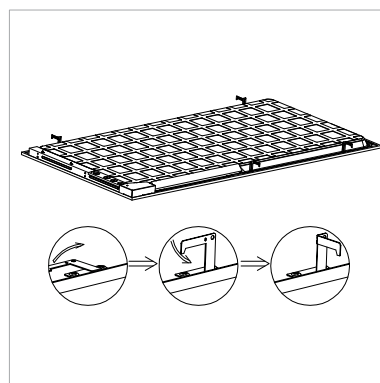
## General Wiring Diagram



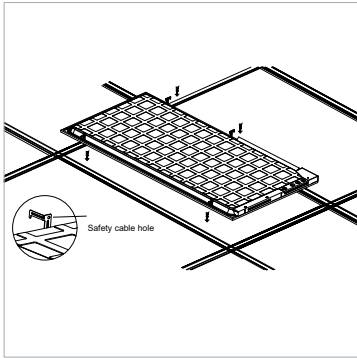
## Installation Instruction

### Recessed Mounting

- Carefully unpack 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 up four mounting clips on the sides of the luminaire. You can do it by hand (Do wear work gloves) or use pliers.(Fig.1)

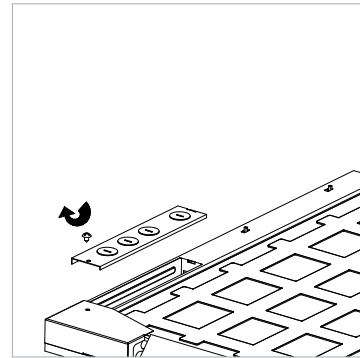


**Figure 2**



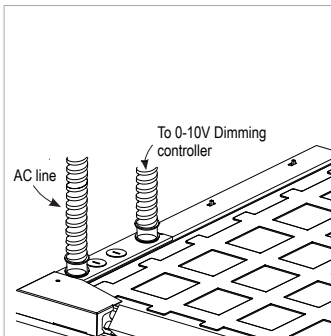
- Insert luminaire into T-bar ceiling grid. Secure safety cable to connection hole as needed to meet local seismic requirements
- Safety cable and method of attachment to the building provided by contractor according to local building codes.

**Figure 3**



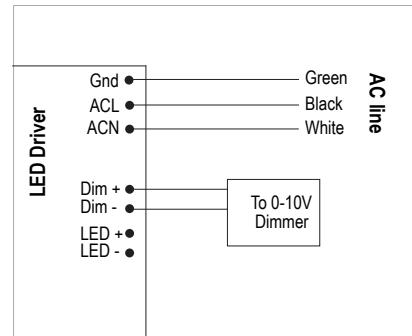
- Remove electrical enclosure cover. Carefully remove knockout for AC line input wires and 0-10V control line. Install listed electrical fittings in the knockout holes for wire protection.

**Figure 4**



- Plug in AC line(L, N, and GND) to the LED Driver using 18- 14AWG Wire. When connecting 0-10V dimming controller, wires must run through a separate knockout hole equipped with an appropriate electrical fitting.

**Figure 5**

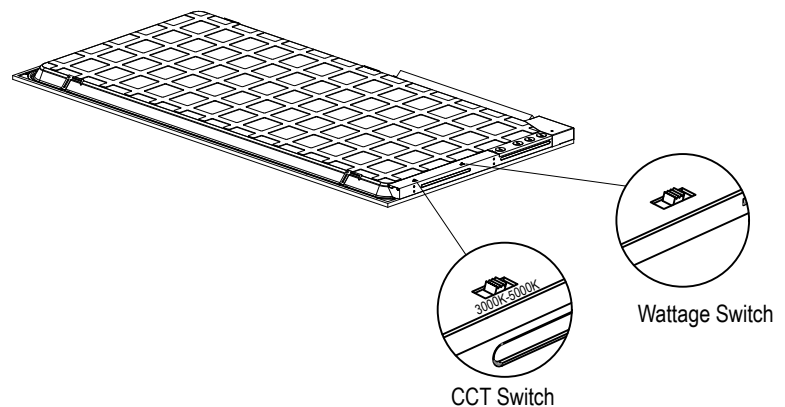


- Follow wire connection instructions. When using the 0-10V dimming controller run from wires controller through a different knockout than the AC input wire. Don't forget to return the electrical enclosure cover and tighten the screws.

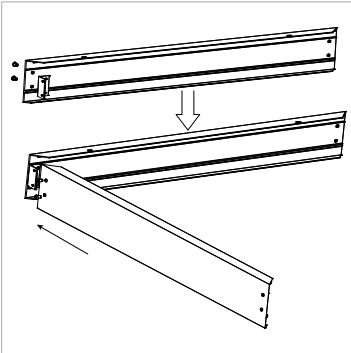
## Field-Selectable Power & CCT

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 color temperatures and 3 powers respectively, which can perform the desired color temperature and lumen output combination.

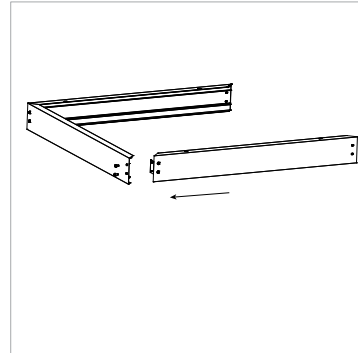
1. DIP switches are located on the driver box.
2. Select a wattage and color temperature by sliding switch left or right respectively to the desired value.



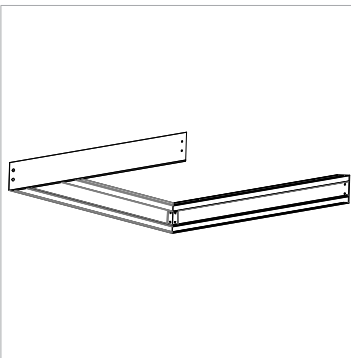
## Surface Mounting Kit



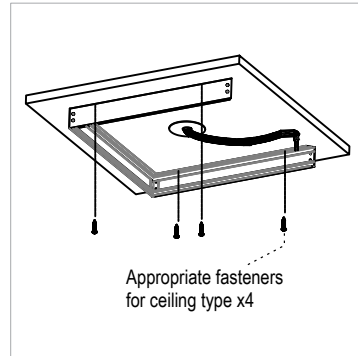
1. Fix the assembly Angle to two different mounting brackets with screws.



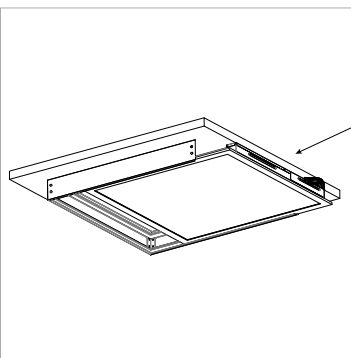
2. Repeat the previous step to secure the third mounting bracket.



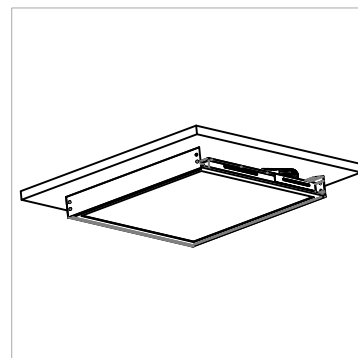
3. Use the appropriate dimensions and fasteners after properly measuring the placement of the surface mount frame.



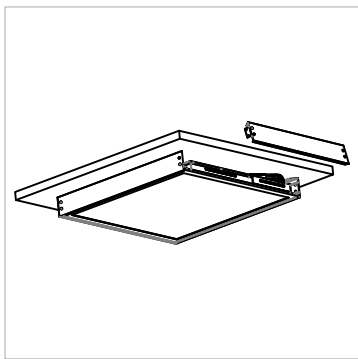
4. Choose the opening part as close as possible to the junction box prior to securing the surface mount frame to the ceiling. Ensure the frame is square, then slide horizontally till the end of slots prior to fully securing the frame to the ceiling.



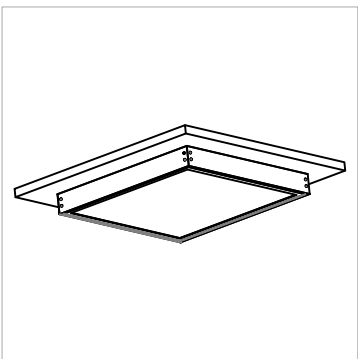
5. Put the wire conduit hose as close as possible to the surface mount opening before placing/inserting the luminaire into it partially. Make all electrical connections according to local code and make sure wire conduit hose is long enough for wiring connection job.



6. Push the conduit hose back into the surface mount frame properly, 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 up and shift it until it rests into place.



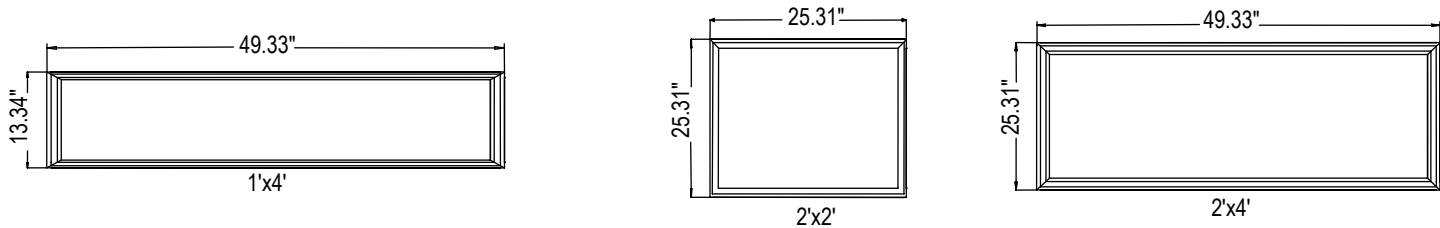
7. Place the last frame into the slots, then slightly slide the last frame to the left, make sure it gets locked tightly, join the last frame to the rested frames by fastening them together with appropriate fasteners.



8. Installation completed. Fixture is ready to power on.

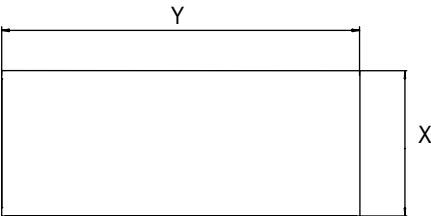
**Figure 1**

**KIT'S Dimensions**



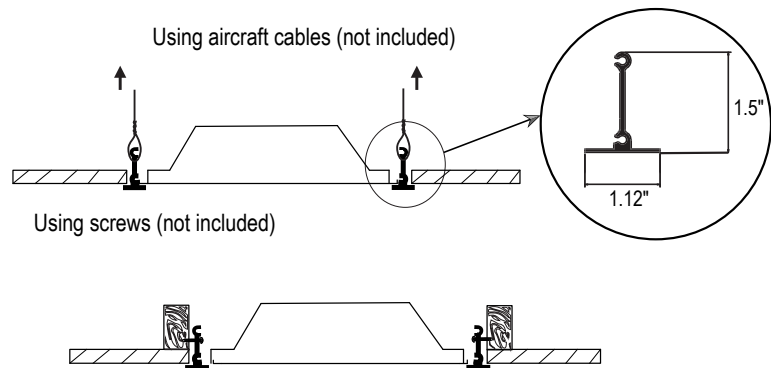
**Figure 2**

**Opening Size**

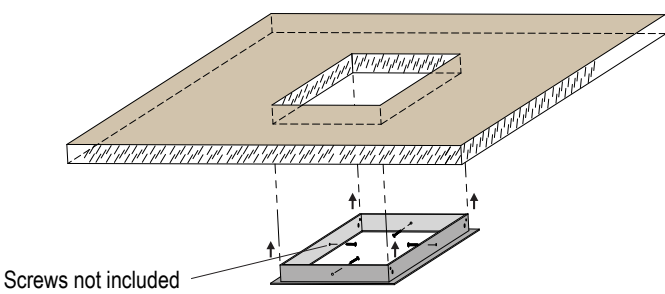


FIXTURE DIMENSIONS	OPENING SIZE DIMENSIONS	
	X	Y
1'x4'	12.63"	48.62"
2'x4'	24.64"	48.62"
2'x2'	24.64"	24.64"

**Figure 3**  
**Mounting Methods**



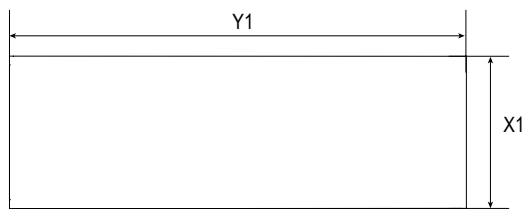
**Figure 4**



Place the kit in the ceiling opening and secure it with the screws.

**Figure 5**

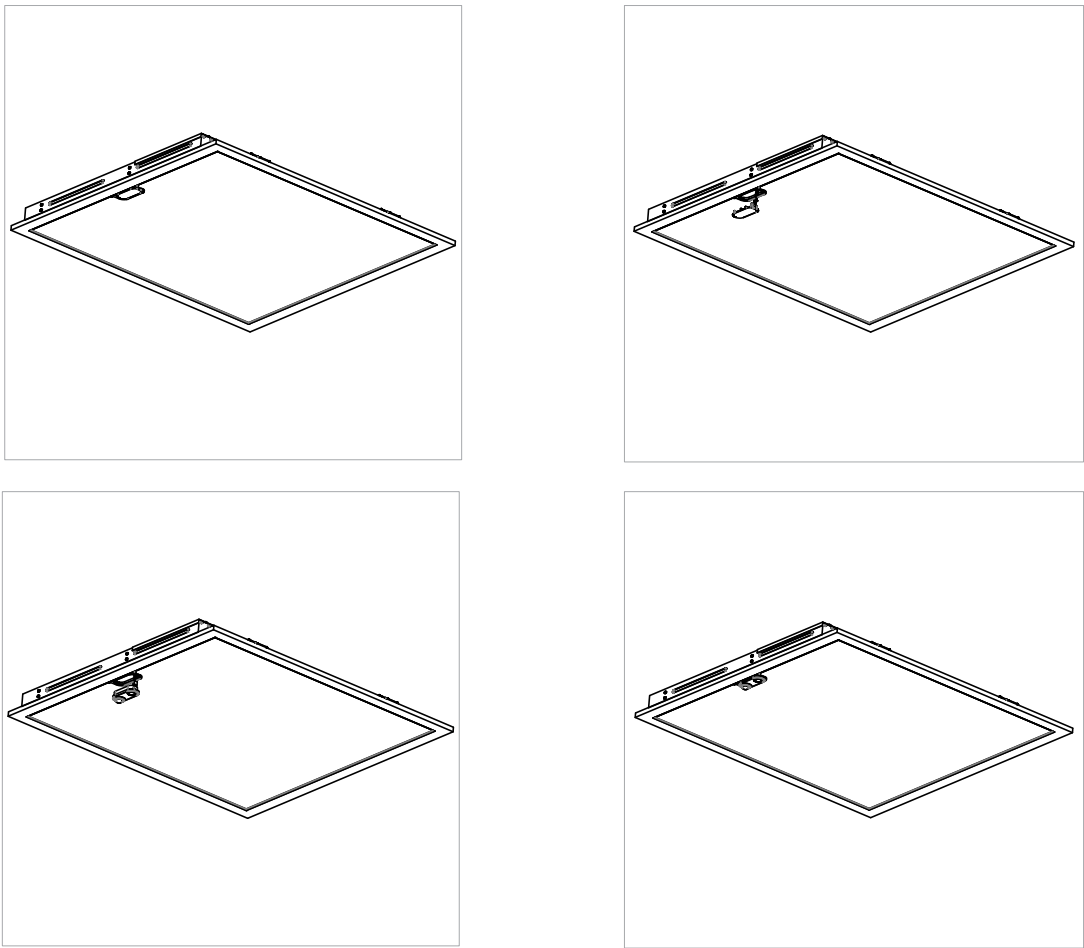
**Luminaire Size Can Fit With Kit Dimensions**



PRODUCT CODE	LUMINAIRE DIMENSIONS			
	X1 MIN.	Y1 MIN.	X1 MAX.	Y1 MAX.
IK-RT14E-FLMK	11.37"	47.51"	11.85"	47.87"
IK-RT24E-FLMK	23.38"	47.51"	23.85"	47.87"
IK-RT22E-FLMK	23.38"	23.38"	23.85"	23.85"

**Additional Accessories**

**Standalone DC Sensor IFS06R**



**General Wiring Diagram**

