

BACK-LIT PANEL SERIES

CCT & LUMEN SELECTABLE

Spitzer
LIGHTING

INSTALLATION MANUAL

PRODUCT PARAMETER

INPUT VOLTAGE	120-277V
COLOR TEMPERATURE	35K/40K/50K CC
ENCLOSURE	DAMP LOCATION



PRE - INSTALLATION

- Carefully remove the fixture from the carton.
- Before beginning assembly, installation, or operation of product, make sure all parts are present. Compare parts with package contents list and diagram on previous page. If any part is missing or damaged, do not attempt to assemble, install or operate the product. Contact customer service for replacement parts.
- Tools required for assembly (Not Included): screwdriver, phillips screwdriver, pliers, electrical tape, wire cutters, safety glasses, ladder, wire stripper.

SAFETY INFORMATION

BE SURE THE POWER IS OFF! RISK OF ELECTRICAL SHOCK: Always use the switch to power off. Do not perform any operations while this unit is powered on. The electrical system you want to connect the device to must be grounded. Read the instructions before using or powering this device. The safety instructions must remain with the unit in case of transfer. Any damage to the device linked to an inappropriate use is excluded from support by the warranty. Before connecting, make sure that the current and voltage are compatible with this device. We highly recommend that all installations are made by QUALIFIED ELECTRICIAN. We are NOT responsible by any means for the use or misuse of the following information. We are NOT responsible in whole or part for any harm or damage that may or may not be caused. We reserve the right to revise the components of any product, due to part availability or change ETL, CUL, UL standards without assuming any obligation or liability to modify any products previously manufactured and without notice. These instructions do not cover all details of variations in equipment, nor do they provide every possible contingency to be met. Turn off / unplug power when installing or service device.

WARNING

WARNING: Read all safety precautions and installation instructions carefully before installing or servicing this fixture. Failure to comply with these instructions could result in a potentially fatal electric shock, fire, and/or property damage.

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

FCC WARNING

WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.

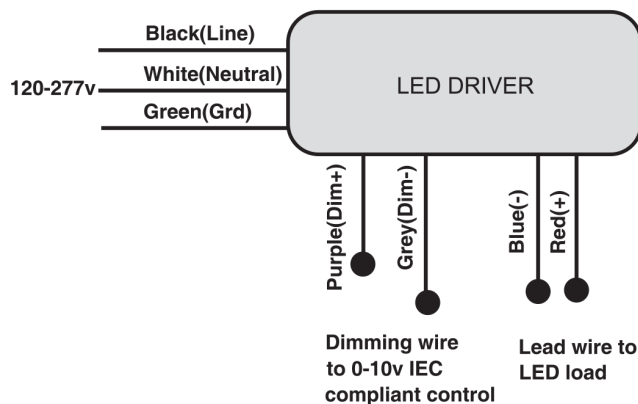
NOTES: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

INSTALLATION (Caution: Before beginning installation turn off the circuit breaker and light switch)

GENERAL WIRING DIAGRAM



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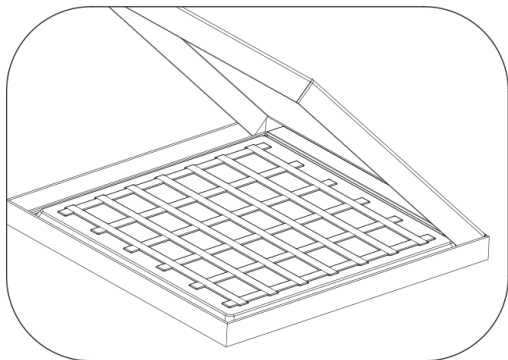
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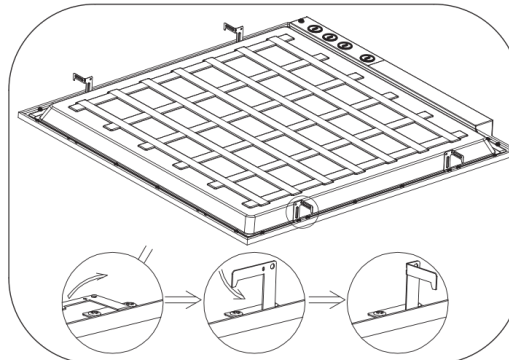
RECESSED MOUNTING

Figure 1



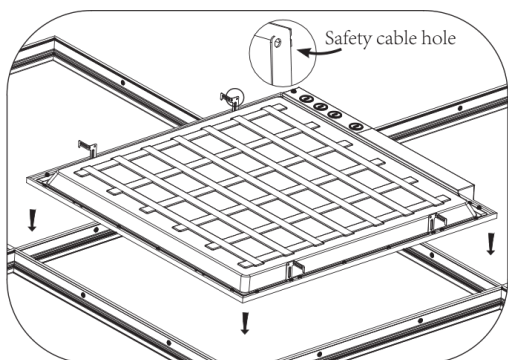
Carefully unpack and properly inspect for defects before installing. Wear work gloves to prevent dirt and oil from being transferred to the luminaire. If cleaning is needed, use gloves and a dry cotton cloth. It is not recommended to use hazardous chemicals.

Figure 2



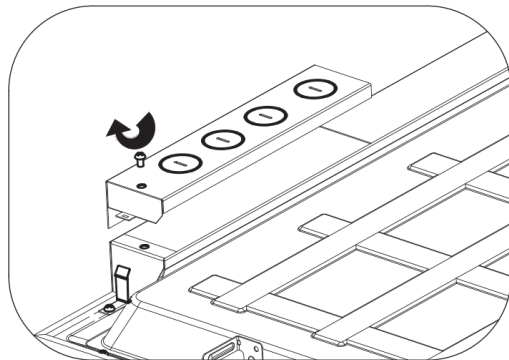
Lift up four mounting clips on the sides of the luminaire. You can do it by hand (Do wear work gloves) or use pliers.

Figure 3



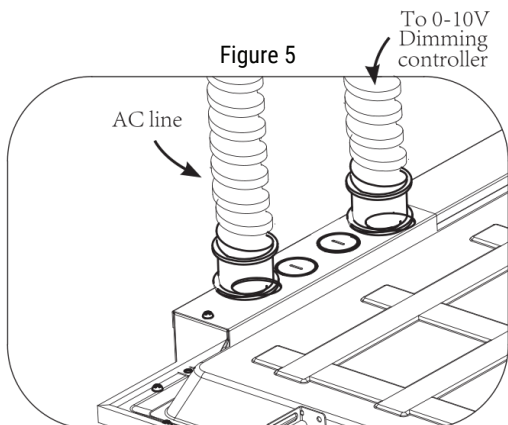
Insert luminaire into T-bar ceiling grid. Secure safety cable to connection hole as needed to meet local seismic requirements. Safety cable and method of attachment to the building provided by contractor according to local building codes.

Figure 4



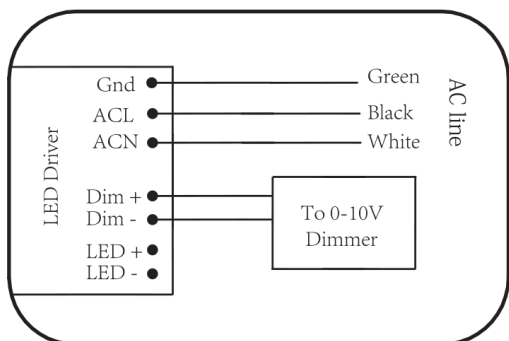
Remove electrical enclosure cover. Carefully remove knockout for AC line input wires and 0-10V control line. Install listed electrical fittings in the knockout holes for wire protection if needed.

Figure 5



Plug in AC line (L, and 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 6



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

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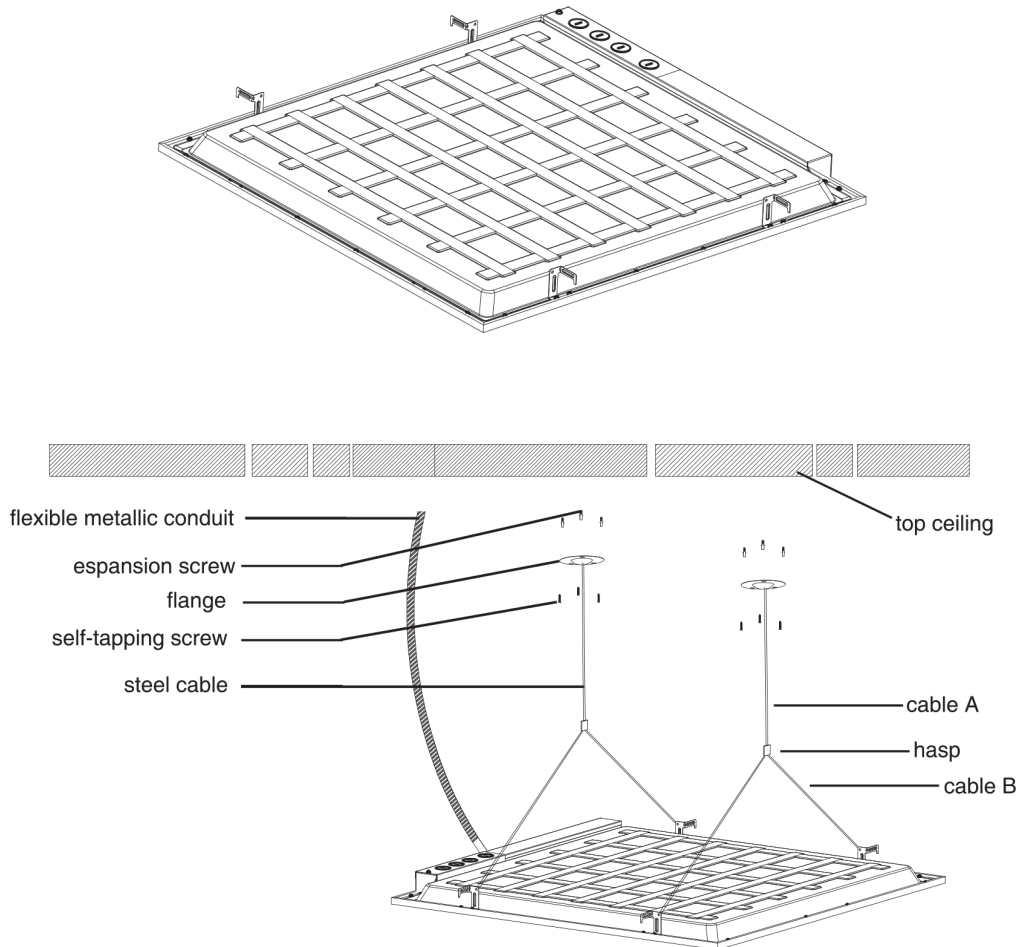
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CABLE SUSPENDED MOUNTING



INSTALLATION STEPS

STEP 1: Replace the existing earth quake 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 on the cable B. Then adjust the cable A to be desired height and adjust the 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 a final adjustment.

STEP 5: Connect LED driver to AC main power.

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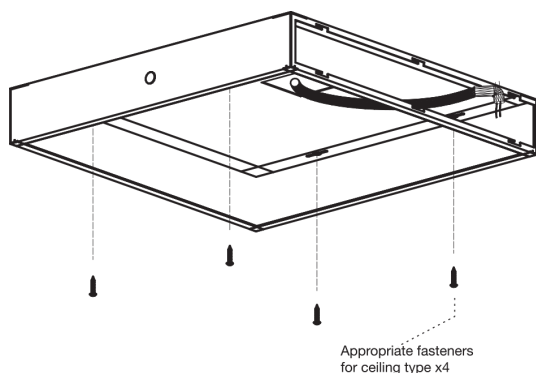
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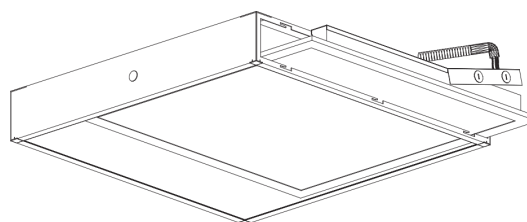
SURFACE MOUNTING KIT

Figure 1



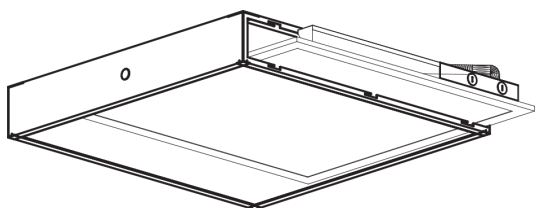
Using the appropriate dimensions and fasteners after properly measuring the placement of the surface mount frame. Choose the opening part as close as possible to the junction box prior to securing the surface mount frame to the ceiling. Ensure the frame is square, then slide horizontally till the end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

Figure 2



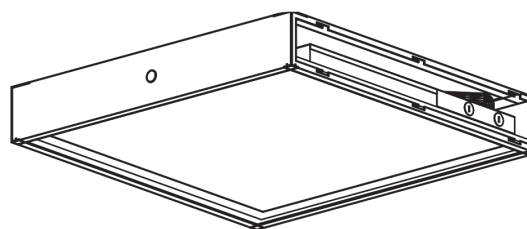
Put the wire conduit hose as close as possible to the surface mount opening before placing/inserting the luminaire into it partially.

Figure 3



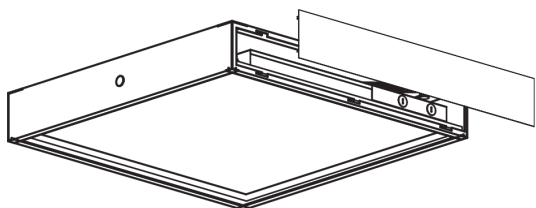
Make all electrical connections according to local code and make sure wire conduit hose is long enough for wiring connection job.

Figure 4



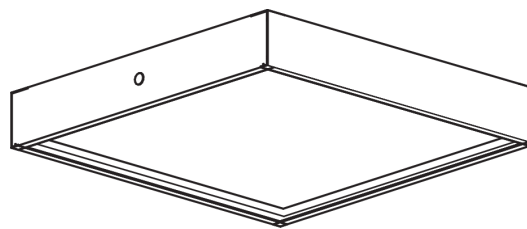
Push the conduit hose back into the surface mount frame properly, insert the luminaire fully into the frame. When installed properly, the luminaire will rest on the flanges of the surface mount frames. If the luminaire is not resting properly on the flanges, lift it up and shift it until it rests into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

Figure 5



Installation completed. Fixture is ready to power on.

Figure 6



Place the last frame into the slots, the slightly slide the last frame to the left, making sure it locks tightly.

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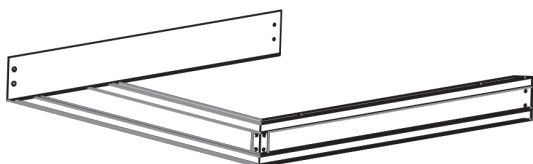
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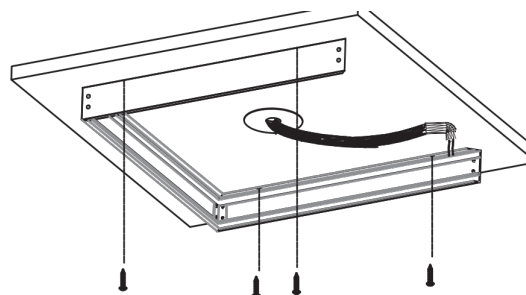
SURFACE MOUNTING KIT

Figure 1



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

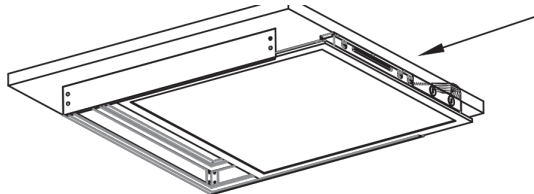
Figure 1



Appropriate fasteners
for ceiling type x4

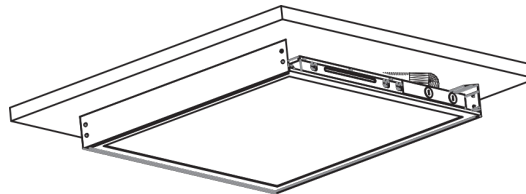
Choose the opening part as close as possible to the junction box prior to securing the surface mount frame to the ceiling. Ensure the frame is square, then slide horizontally till the end of slots prior to fully securing the frame to the ceiling.

Figure 1



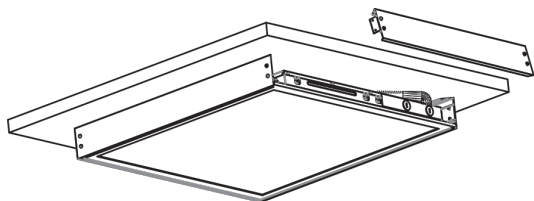
Put the wire conduit hose as close as possible to the surface mount opening before placing/inserting the luminaire into it partially. Make all electrical connections according to local code and make sure wire conduit hose is long enough for wiring connection job.

Figure 1



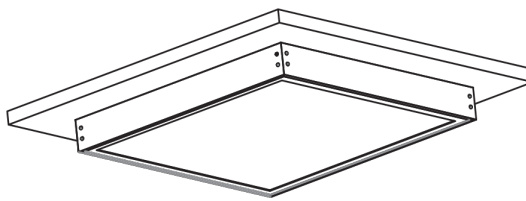
Push the conduit hose back into the surface mount frame properly, insert the luminaire fully into the frame. When installed properly, the luminaire will rest on the flanges of the surface mount frames. If the luminaire is not resting properly on the flanges, lift it up and shift it until it rests into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

Figure 1



Place the last frame into the slots, the slightly slide the last frame to the left, making sure it locks tightly, join the last frame to the rested frames by fastening them together with appropriate fasteners.

Figure 1



Installation completed. Fixture is ready to power on.

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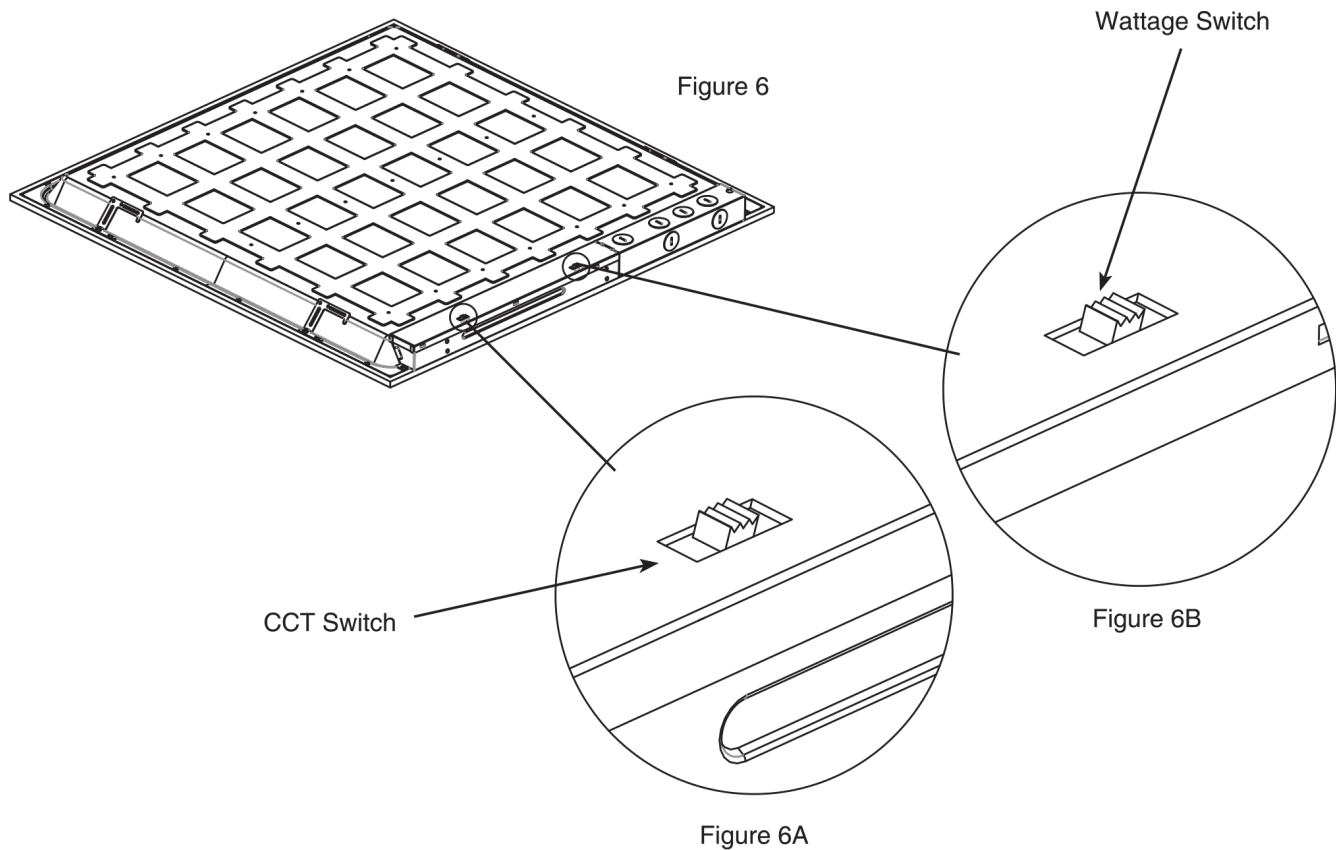
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ADDITIONAL INFO

The end users may adjust the color temperature and lumen output respectively by the two slide 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.

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

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

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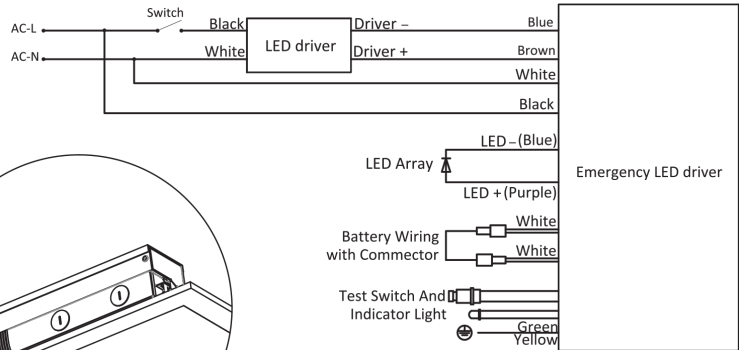
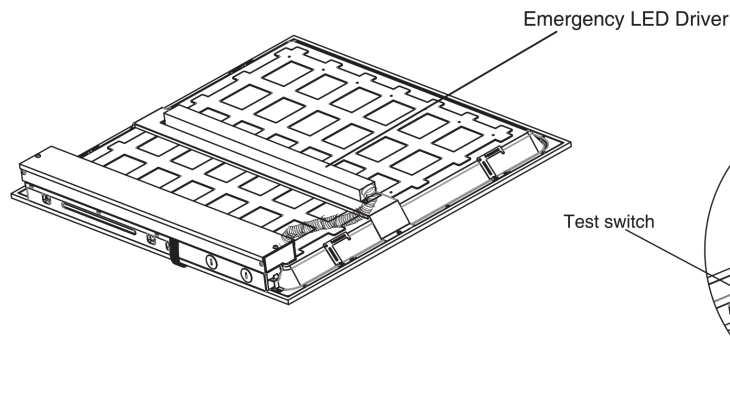
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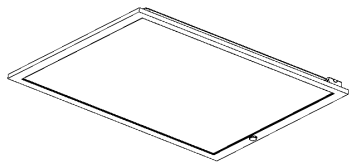
INSTALLATION (Caution: Before beginning installation turn off the circuit breaker and light switch)

SURFACE MOUNTING KIT

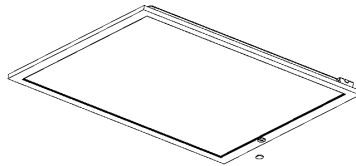
Wiring Diagram



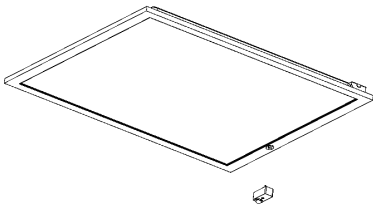
ADDITIONAL ACCESSORIES



Sensor



Remove the rubber plug



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

