

# Installation Instructions

## Alphalite LED Prismatic Troffer

Installation guide valid for the following models:

**LTS-22**

**LTS-24**

**LTS-14**



### **WARNING**

#### **RISK OF FIRE OR ELECTRIC SHOCK**

The LED Prismatic Troffer must be installed by a qualified electrician in accordance with applicable federal, state, and local laws and codes. Installation requires knowledge of luminaire electrical systems and installer should be familiar with the operation of this product. If not qualified, do not attempt installation; contact a qualified electrician. Manufacturer assumes no responsibility for the improper installation of this luminaire. When installing the fixture, drilling may damage luminaire wiring and electrical parts. Check for wiring and components in enclosure before drilling.

### **WARNING**

To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. When installing this kit, drilling may damage luminaire wiring and electrical parts. Check for wiring and components in enclosure before drilling.

### **WARNING**

#### **RISK OF PERSONAL INJURY**

Wear gloves or proper handling protection to prevent cuts or abrasions when handling and maintaining this product. This equipment may have sharp edges. To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warning and instructions included with and on the fixture box and all fixture labels.

### **WARNING**

Suitable for Damp locations. Suitable for 9/16" or 15/16" Flat Tee Grid in both Insulated Ceilings and Non-Insulated Ceilings. Access above ceiling required. Do not touch LEDs with hands or tools. Mishandling of LED can lead to product failure.

### **WARNING**

#### **RISK OF PERSONAL INJURY, FIRE OR ELECTRIC SHOCK**

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.

Contact manufacturer with any questions or concerns regarding installation of this luminaire.

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### CAUTION

1. Avoid direct eye exposure to the light source while it is on.
2. Account for small parts and destroy packing material, as these may be hazardous to children
3. Risk of burn. Disconnect power and allow fixture to cool before changing bulb or handling fixture.

**NOTICE:** Green ground screw provided in proper location. Do not relocate.

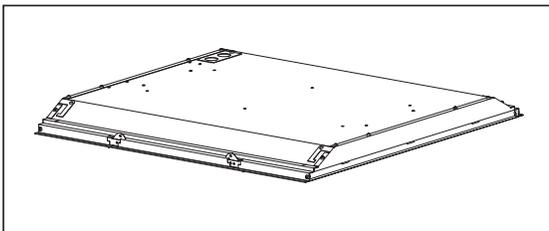
**NOTICE:** Minimum 90° supply conductors.

**NOTICE:** Specifications and dimensions subject to change without notice.

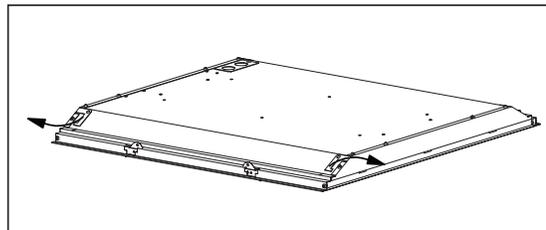
**NOTICE:** Suitable for Dry or Damp location, Type IC.



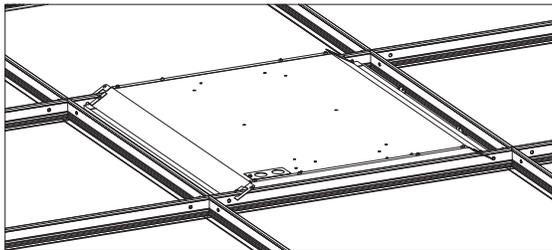
1. Remove product from packaging.



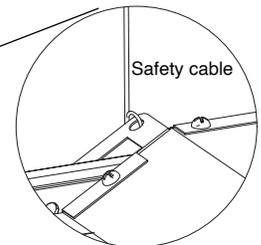
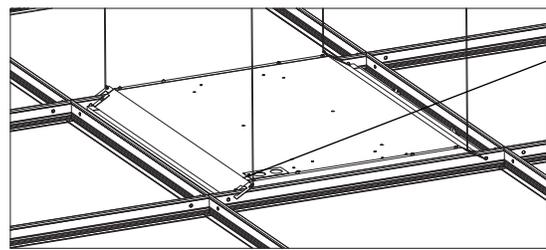
2. Bend out mounting tab 180 degree on each corner



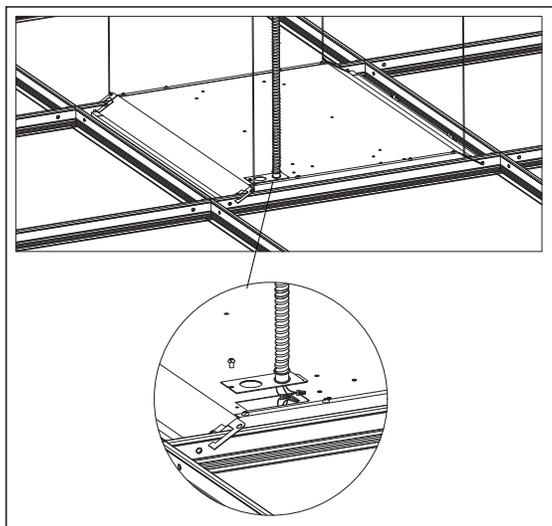
3. Lay fixture into T-grid.



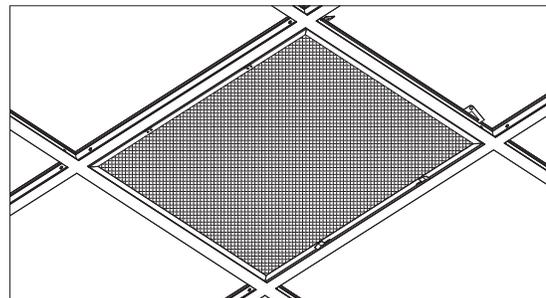
4. Use hanger wire to tie off appropriately in accordance with local building code.



5. Install conduit containing the line, neutral, and ground conductors to the knockout of the cover plate. Make all electrical connections to the fixture. Attach the wiring access cover plate

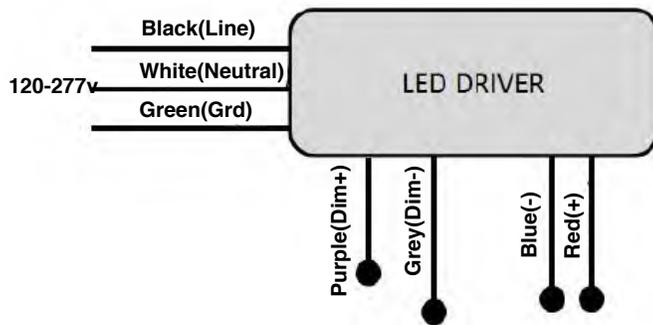


6. Turn on the luminaire.



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## Wiring Diagram



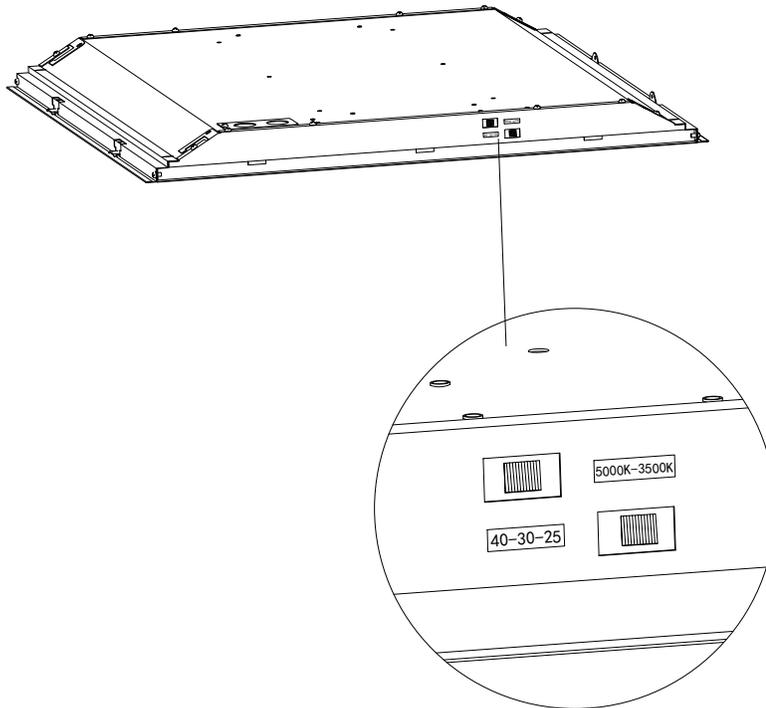
## 0-10V Dimmable Wiring

1. Connect the black fixture lead to the (+) LINE supply lead.
2. Connect the white fixture lead to the (-) COMMON supply lead.
3. Connect the GROUND wire from fixture to supply ground. Do NOT connect the GROUND of the dimming fixture to the output.
4. Connect the purple fixture lead to the (V+) DIM lead.
5. Connect the gray fixture lead to the (V-) DIM lead.

## ON-OFF Wiring

1. Connect the black fixture lead to the LINE supply lead.
2. Connect the white fixture lead to the COMMON/NEUTRAL supply lead.
3. Connect the GROUND wire from fixture to supply ground.

## 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, right ), corresponding to 3 color temperatures and 3 powers respectively, which can perform the desired color temperature and lumen output combination.

1. The DIP switch is located above the driver.
2. Select a wattage and color temperature by sliding switch left or right respectively to the desired value.

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