

## IMPORTANT SAFEGUARDS

### Warnings

1. 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 should be included with and on the fixture box and all fixture labels.
2. Before installing, servicing, or performing routine maintenance on this equipment, follow these general precautions.
3. Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
4. 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.
5. To prevent wiring damage or abrasion, do not expose wiring to the edges of sheet metal or other sharp objects.
6. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
7. Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.
8. Turn off the power when you perform any maintenance.
9. Verify that supply voltage is correct by comparing it with the luminaire label information.
10. All wiring connections should be capped with UL approved wire connectors.

### Cautions

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.

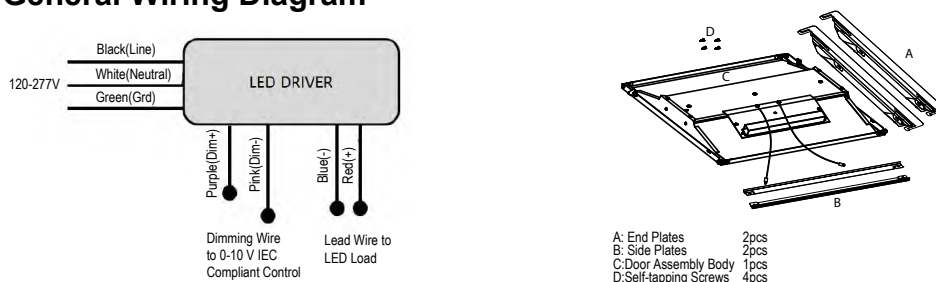
**NOTICE:** Green ground screw provided in proper location. Do not relocate.

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

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

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

## General Wiring Diagram

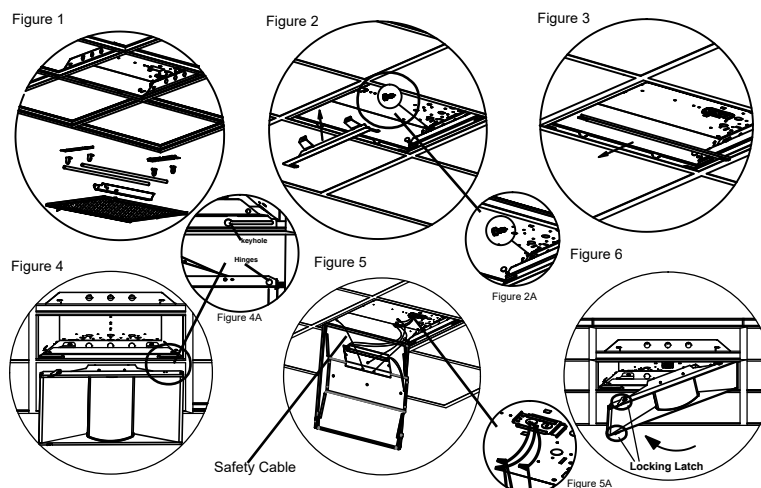


## Notice

The existing fluorescent luminaire's housing shall be larger than dimensions described in the below table

Housing Designation	Overall Inner Dimensions
2' x 2'	24.01" by 23.93" by 3.07" high
2' x 4'	48.03" by 23.93" by 3.07" high
1' x 4'	48.03" by 11.88" by 3.07" high

## Installation

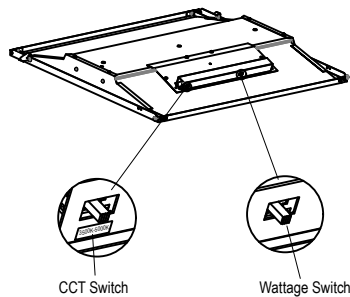


1. Prior to installation, disconnect all incoming power to fixture. Remove existing hardware (lens/lens frame, parabolic lo uver, reflectors/ballast covers, brackets, lamps/lamp holders). Leave supply and grounding leads.(Fig.1)

**NOTE:** Follow all federal and local regulations when disposing of lamps and removed components.

2. Install LED panel end brackets to each end of the existing fixture by gently lifting it and placing LED panel end brackets between the fixture and T-grid.(Fig.2)
3. If you are not pleased with the gap between the fixture and T-grid, you may install LED panel side brackets between the fixture and T-grid. There are two tabs to allow for placing the side brackets into the slot of end brackets. (Fig.3)
4. Secure the LED panel brackets to the existing fixture using the provided #8x1/2" self-drilling screws. (Fig.2A)
5. Locate the door assembly body onto the keyholes of end brackets, and then slide the door assembly body horizontally to the end of slots. (Fig.4)
6. Hook the safety cables into the holes positioned at the end brackets.
7. Use the provided wire caps to connect the wire leads of the troffer kits to the main power leads. (Black-Live, White-Neutral, Green-Grounding) (Fig.5&Fig.5A)
8. Secure the door assembly body by locking the the latches riveted on each end of the assembled door frame. (Fig.6)

## Field-Adjustable Wattage & CCT



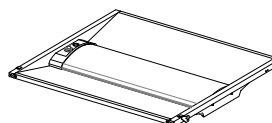
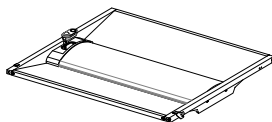
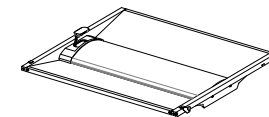
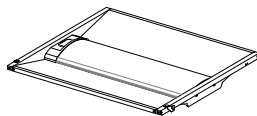
The end users may adjust the color temperature and lumen output respectively by the two DIP switch. Each DIP switch is accommodated with 3 options (left, middle and right ), corresponding to 3 color temperatures and 3 powers respectively, which can perform the desired color temperature and lumen output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

1. DIP switches are located onto the side of the fixture.
2. Select a wattage and color temperature by sliding switch left or right respectively to the desired value.

## Additional Accessories

- Standalone DC Sensor
- ANT-9C

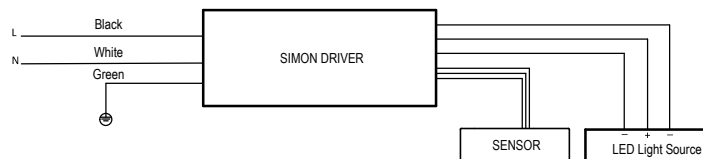
**Step 1**  
Remove the plate before or after you install the fixture in the ceiling.



**Step 2**  
Remove the flat cable that was secured to the back of the plate and insert the terminals into the approved sensor.

**Step 3**  
Install the approved sensor and make sure it is securely fit.

## General Wiring Diagram

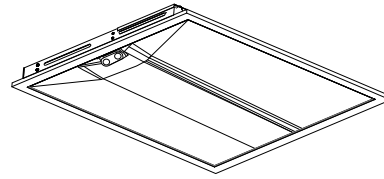
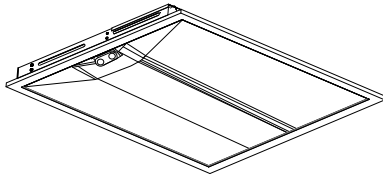


## Additional Accessories

- Standalone DC Sensor
- ANT-9C

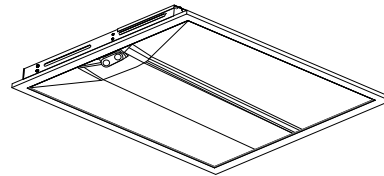
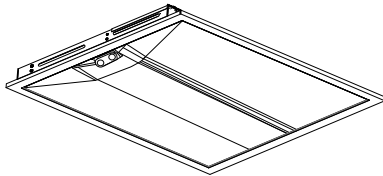
U-Smart bracket is a patent sensor bracket. The sensor hole is covered with a removable plate. There is a flexible flat cable with connector secured to the back of the plate. You are free to decide whether to install the approved sensor or not on site if the driver is integrated with DC 12V AUX and fixture pre-installs a U-Smart bracket.

## DELPHI RETROFIT TROFFER



## Step 1

Remove the plate before or after you install the fixture in the ceiling.



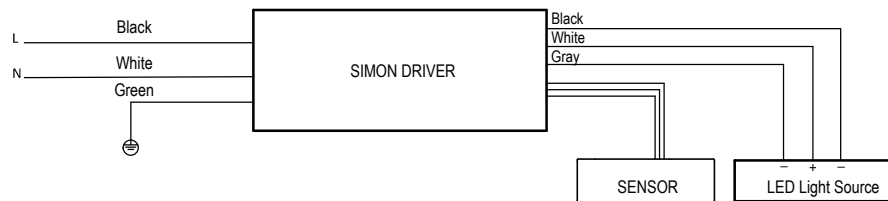
## Step 2

Remove the flat cable that was secured to the back of the plate and insert the terminals into the approved sensor.

## Step 3

Install the approved sensor and make sure it is securely fit.

## General Wiring Diagram



## Operation Instructions

Remote Keys		Function	Performance
		ON/OFF	Turn ON and OFF the light
		Evening Light	Keep the light at 10% output.
		Lowest Output	Dim the light to the lowest 10% output.
		DIM -	Every press will dim light up to 10% darker.
		DIM+	Every press will dim light up to 10% brighter.
		Highest Output	Dim the light to the highest 100% output.
		Holdtime Options	The time period keeping light at present brightness can be 5 min/10 min/30 min. It means OS holdtime.
		Standby Period Options	The time period keeping light at standby output can be 5 min//10 min/30 min. It means OS standby period.
		Daylight Disable	It means daylight disabled.
		Cloud Mode	It means ambient brightness of cloudy days; daylight is around 100-200 lux.
		Dusk Mode	It means ambient brightness of dusk; daylight is around 50-100 lux.
		Dusk Mode	It means ambient brightness of dusk; daylight is around 10-50 lux.
		Very Close	Very close detection area, about 1 m-2 m.
		Close	Close detection area, about 2-4 m.
		Medium	Medium detection area, about 3-5 m.
		Far	Far detection area, about 5-7 m.

## Remote's Performance

1. When using the remote control, the remote control indicator light will be ON every time you press the setting, and the light will also flash once (blink mode), except for the ON/OFF button.
2. When setting brightness and night light mode, the remote control indicator is on, but the lamp will not be in blink mode.
3. The light is off but the induction is waiting to be triggered. At this time, the remote control setting is used.

## Night Light Mode

1. Directly press the small night light button to enable the application, and the light becomes the minimum brightness.
2. In the night light mode, other functions can also be set.

## Manually Dimming ✨

1. Manually dim the light to highest 100% or lowest 10% output.
2. Manually dim the light, 10% change after every press.

## Daylight Threshold ((✨))

1. Light sensor settings are divided into four options gear (light closed/cloudy day/evening/night). Light sensors are set to be off and only activate when someone's movement is detected;
2. Light sensors are set to (cloudy day/evening/night). After someone's movement is detected, the light starts test environment brightness. The environment light brightness is less than the set value, whereas greater than the set value when the lamp is not bright.

## Detection Area ((人))

The detection distance of the sensor is set with four options, which are: very short distance/short distance/medium distance/far distance; when someone moves within the sensor's set range, the sensor triggers.

## Hold Time and Standby Period

1. If both holdtime and standby period are preset as OS, the sensor changes to "always ON" mode.
2. If holdtime present as OS and standby period as 5 min/10 min/30 min, after the person leaves the detection area, the sensor will dim down light to 50% and keep it for a standby period.
3. If holdtime is preset as 5 min/10 min/30 min and standby period as OS, after the person leaves the detection area, the sensor will keep light for the holdtime period then dim the light to 50% and keep it on with infinite standby period.
4. If holdtime and standby period are both preset as 5 min/10 min/30 min, after the person leaves the detection area, it will keep the light for holdtime then dim light to 50% and keep it for the standby period.