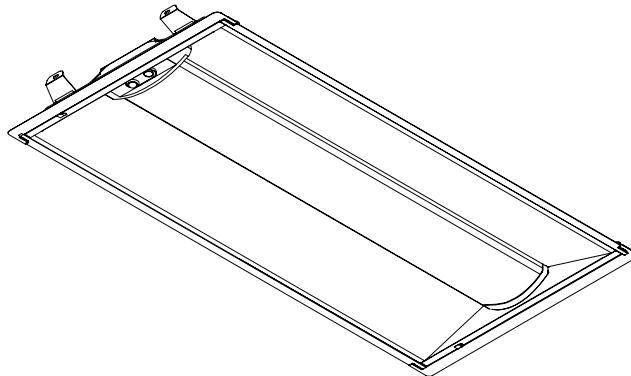


# Installation Instructions

## Infinity Volumetric LED Troffer Retrofit Kit IRT-S3



### WARNING Risk of Fire and Electric Shock.

The luminaire 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. Turn OFF power before installation or attempting any maintenance.

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 Burn.

Disconnect power and allow fixture to cool before handling or servicing.



### 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.

Avoid direct eye exposure to the light source while it is on.



### NOTICE

- Green ground screw provided in proper location. Do not relocate.
- Minimum 90°C supply conductors.
- Suitable for Dry or Damp location.
- Specifications and dimensions subject to change without notice.

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

**Alphalite**

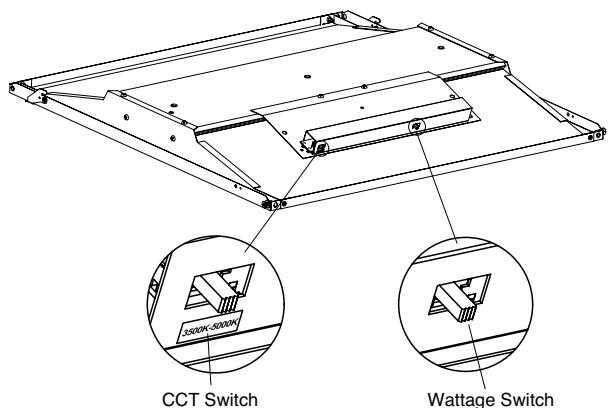
# Installation Instructions

## Infinity Volumetric LED Troffer Retrofit Kit

### 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.

Select a wattage and color temperature by sliding switch left or right respectively to the desired value



### Recessed Mounting:

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

The existing fluorescent luminaires housing shall be larger than dimensions described in below table:

| Housing Designation | Overall inner Dimensions        |
|---------------------|---------------------------------|
| 2' x 2'             | 610 mm by 608 mm by 78 mm high  |
| 2' x 4'             | 1220 mm by 608 mm by 78 mm high |
| 1' x 4'             | 1220 mm by 302 mm by 78 mm high |

**1.** Prior to installation, disconnect all incoming power to fixture. Remove existing hardware (lens/lens frame, parabolic louver, 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.

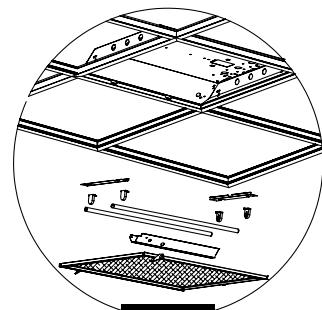


Figure 1

**2.** Install LED Troffer end brackets to each end of the existing fixture housing by gently lifting the housing and placing LED troffer end brackets between the fixture housing and T-grid. (Fig.2)

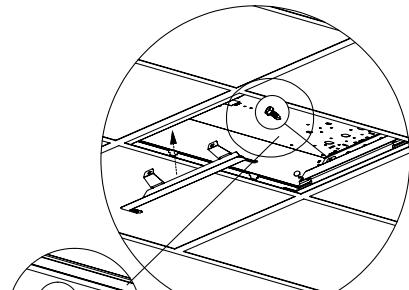


Figure 2

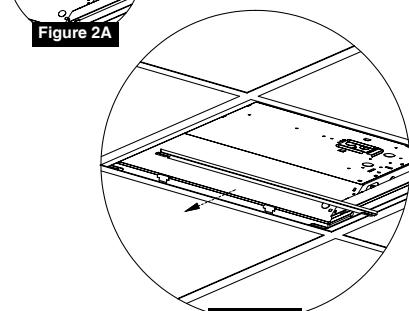


Figure 3

**3.** If you are not pleased with the gap between the fixture and T-grid, you may install side brackets between the fixture housing and T-grid, there are two tabs to allow for placing the side brackets into the slot of end brackets. (Fig.3)

# Installation Instructions

## Infinity Volumetric LED Troffer Retrofit Kit

- 4.** Secure the end brackets to the existing fixture using the provided #8x1/2" self-drilling screws. (Fig.2A)  
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)

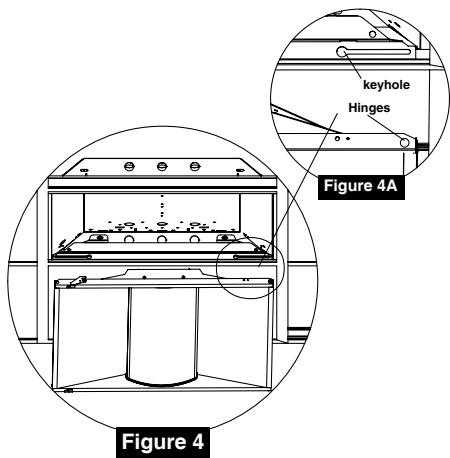


Figure 4

- 5.** Hook the safety cables into the holes positioned the end brackets.  
Use the 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)

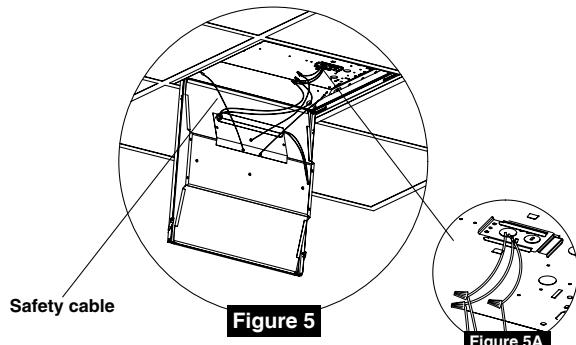


Figure 5

- 6.** Secure the door assembly body by locking the latches riveted on each end of the assembled door frame. (Fig.6)

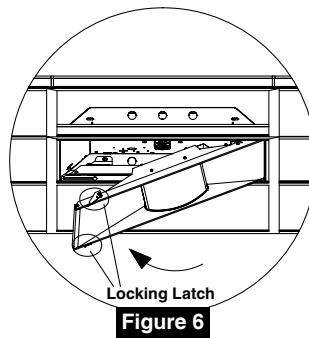


Figure 6

### Wiring Diagram:



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Alphalite**