

# Lumos Controls LED Retrofit Troffer Kit



## INSTALLATION AND QUICK START SHEET

### GENERAL SAFETY INFORMATION ⚠

- 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 included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- **Commercial installation:** Service and maintenance of luminaires should be performed by a qualified licensed electrician.
- **Residential installation:** If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code.
- **DO NOT INSTALL DAMAGED PRODUCT!**
- This fixture is intended to be connected to a properly installed and grounded UL Listed troffer housing.

### WARNING: RISK OF FIRE OR ELECTRIC SHOCK

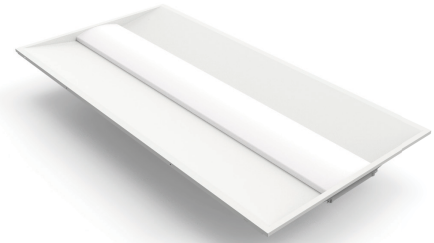
- Installation of this retrofit kit requires a person familiar with the construction and operation of the luminaire's electrical system and the hazard involved. If not qualified, do not attempt installation. Contact a qualified electrician.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- 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.
- Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements.
- All wiring connections should be capped with UL approved wire connectors.
- Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- The retrofit kit is accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having jurisdiction. Product must be installed by a qualified electrician in accordance with the applicable and appropriate electrical codes. The installation guide does not supersede local or national regulations for electrical installations.

### CAUTION: RISK OF INJURY

- Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.
- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy packing material, as these may be hazardous to children.

### CAUTION: RISK OF FIRE

- Keep combustible and other materials that can burn away from luminaire and lamp/lens.
- MIN 90°C SUPPLY CONDUCTORS.
- Consult a qualified electrician to ensure correct branch circuit conductor, this product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.



Picture is for illustration purposes only. Your model may vary and may not be identical to the fixture purchased.

## LED TROFFER RETROFIT KIT (2X2 & 2X4)

### Operating characteristic:

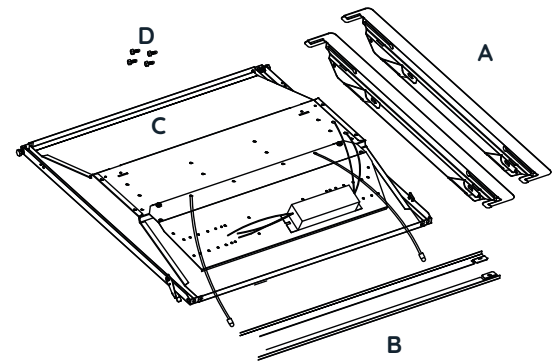
Voltage input: 120-277V or 50/60 Hz  
Operating temp: -4 °F to 104°F

### Compatible Housing:

2' x 2' - 24.02" (610 mm) by 23.94" (608 mm) by 2.56" (65 mm) high  
2' x 4' - 47.90" (1216 mm) by 23.94" (608 mm) by 2.56" (65 mm) high

### Parts:

**A:** End Plates - 2pcs      **C:** Lamp Body - 1pc  
**B:** Side Plates - 2pcs      **D:** Self-tapping Screws - 4pcs



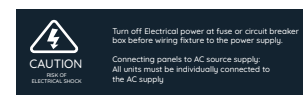
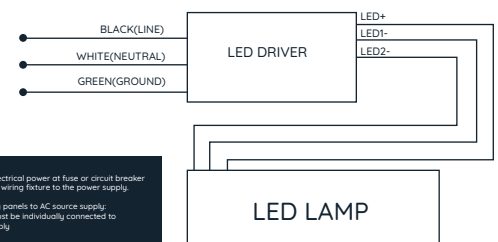
Picture is for illustration purposes only. Your model may vary and may not be identical to the fixture purchased.

## WIRING DIAGRAM

**CAUTION:** Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.

Connecting panels to AC source supply:

All units must be individually connected to the AC supply.



## INSTALLATION & OPERATION

- 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.
- 2 Install LED panel end brackets to each end of the fixture by gently lifting recessed fixture and placing LED panel end brackets between the fixture and T-grid. Secure the LED panel brackets to the fixture using the provided #8x1/2" self-drilling screws. Locate the wire terminals on the LED board on the end of the light engine panel that has the wire. (Fig.2)
- 3 Install LED panel side brackets between the fixture and T-grid, if you are uncomfortable with the gap 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 Apply re-lamping label "THIS LUMINAIRE HAS BEEN MODIFIED FROM ITS ORIGINAL CONFIGURATION. THIS LUMINAIRE WILL NO LONGER ACCEPT THE ORIGINAL LAMPS STATED ON THE PRODUCT LABEL." to the surface of the fixture.
- 5 Locate the lamp body onto the keyholes of end brackets, then slide the body horizontally to the end of slots. (Fig.4)
- 6 Pass grommet. Refer to the wiring diagram to connect the input power. If the lamp wire is inside the driver, Hook the safety cables into the holes positioned the end brackets. (Fig.5)
- 7 Secure the door assembly body by lock the latches riveted on each end of the assembled door frame. (Fig.6)

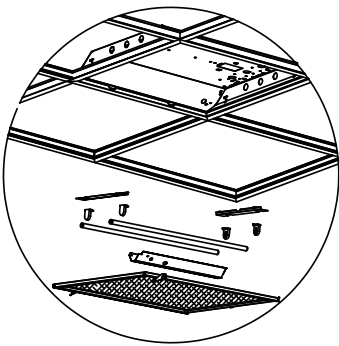


Fig. 1

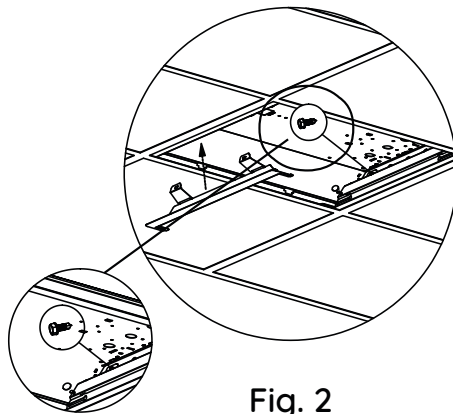


Fig. 2

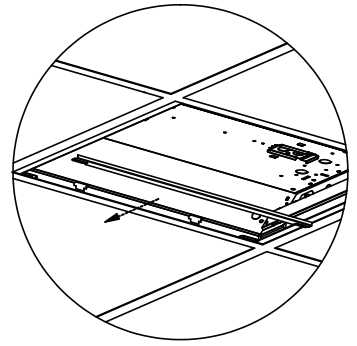


Fig. 3

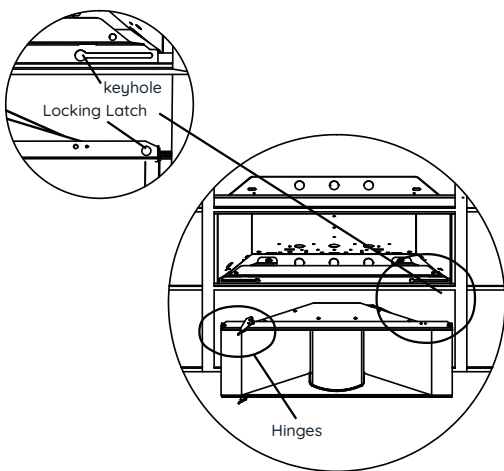


Fig. 4

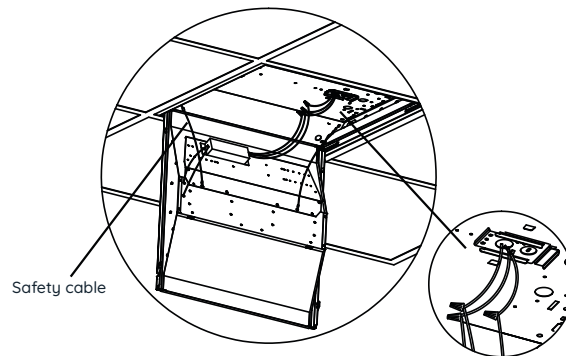


Fig. 5

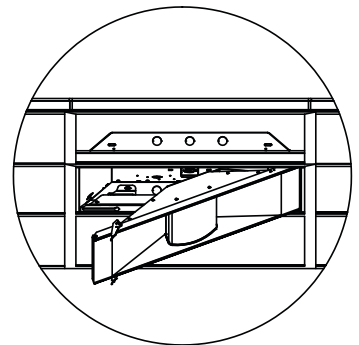
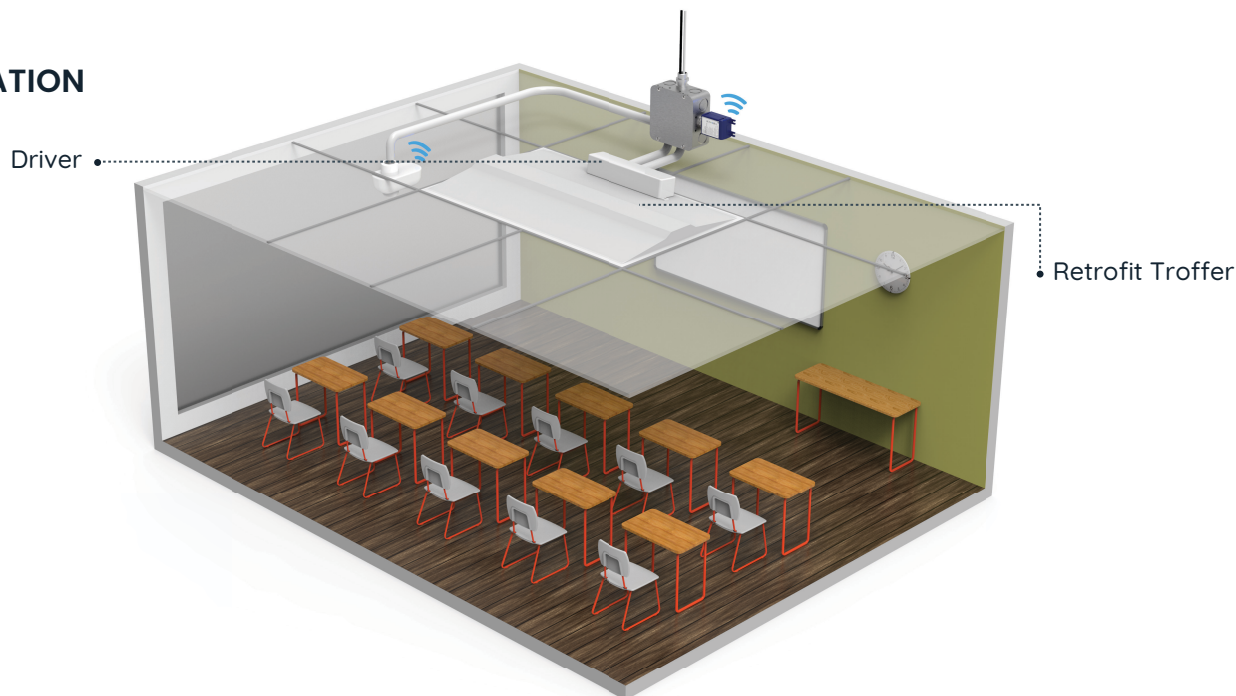


Fig. 6

## APPLICATION



## ORDERING INFORMATION

Product Name	Product Code	Fixture type	Watts	CCT	Lumens	Mounting
LED Retrofit Troffer Kit	LCLRT2236RM	2x2	36W	2700-6500K	3600lm	Recessed Mount
LED Retrofit Troffer Kit	LCLRT2436RM	2x4	36W	2700-6500K	3600lm	Recessed Mount

## FCC INFORMATION

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

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

NOTE: 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.

## FCC RADIATION EXPOSURE STATEMENT

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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