

LED Troffer Retrofit Installation Instructions



**THIS INSTALL MANUAL IS APPLICABLE FOR
MODEL NO : RTR02-40W / RTR04-45W**

SAFETY INFORMATION

IMPORTANT

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE NATIONAL ELECTRICAL CODE AND LOCAL BUILDING CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

PRECAUTIONS

- Please read and understand this entire manual before attempting to assemble, install, or operate this light fixture.
- This light fixture requires a 120-277 Volt AC power source.
- Some codes require installation by a qualified electrician.
- This light fixture must be properly grounded.
- Make sure connections are secure using wire nuts, crimp-on lugs or other approved connecting devices.
- This light fixture should be installed indoors to a ceiling, recessed mount application



WARNING: Turn the power off at the circuit breaker or fuse. Place tape over the circuit breaker switch and verify power is off at the light fixture.



CAUTION: Burn hazard. Allow the light fixture to cool before touching.



NOTICE: If using dimming function, only connect to 0-10V approved dimming switches or control system



NOTICE: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.



INFORMATION: The device is tested and found to comply with Part 15 of the FCC Rules. Operation is subject to two conditions: (1) This device may not cause harmful interference and, (2) this device must accept any interference received, including any interference that may cause undesired operation. These limits are designed to provide reasonable protections against harmful interference when the equipment is operated in a commercial environment.

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

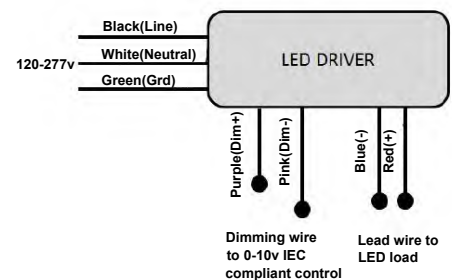
NOTICE: Green ground screw provided in proper location. Do not relocate.

NOTICE: Minimum 90° supply conductors.

NOTICE: Specifications and dimensions subject to change without notice.

NOTICE: Suitable for Dry or Damp location,

General Wiring Diagram



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INSTALLATION INSTRUCTIONS AND MARKING:

Instructions shall be provided with the kits which indicate proper assembly and wiring. Each kit shall be provided with installation. Instructions as shown in ILL. 1 or ILL. 1A or ILL. 1B.



WARNING: Risk of fire or electric shock. The electrical rating of these products are 120-277 Vac, the installer must determine whether they have 120-277 V at the luminaire before installation.



WARNING: Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.



WARNING: Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings.



WARNING: To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.



WARNING: Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components.

Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

LED Troffer Retrofit Installation Instructions



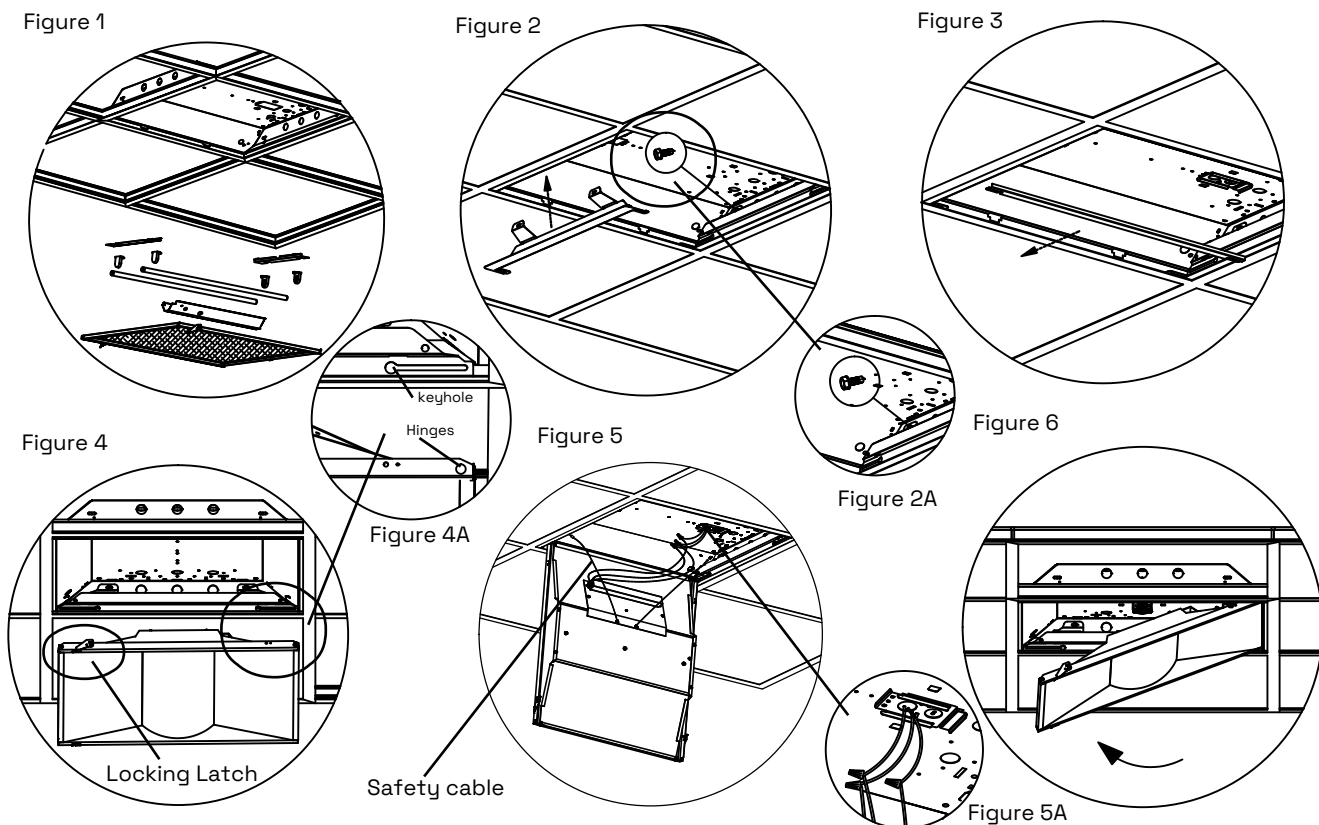
INSTALLATION

NOTICE:

The existing fluorescent luminaries 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

INSTALLATION



- 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.

- 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.
- 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.2)
- Secure the LED panel brackets to the existing fixture using the provided #8x1/2" self-drilling screws. (Fig.3)
- 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)
- Hook the safety cables into the holes positioned the end brackets.
- 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)
- Secure the door assembly body by lock the latches riveted on each end of the assembled door frame. (Fig.6)

Contact us : For support & assistance, please feel free to contact us below.

E-Mail: info@medinahpower.com | Web: www.medinahpower.com | Ph: +1 (844) 870-5337

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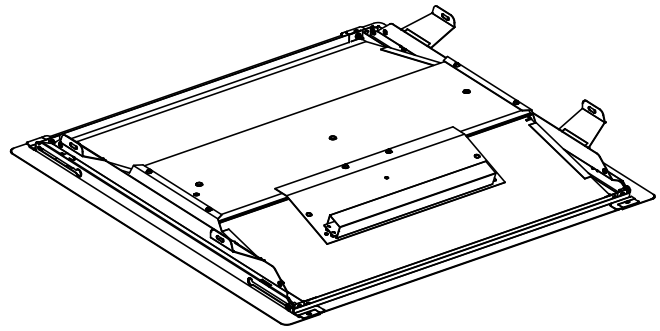
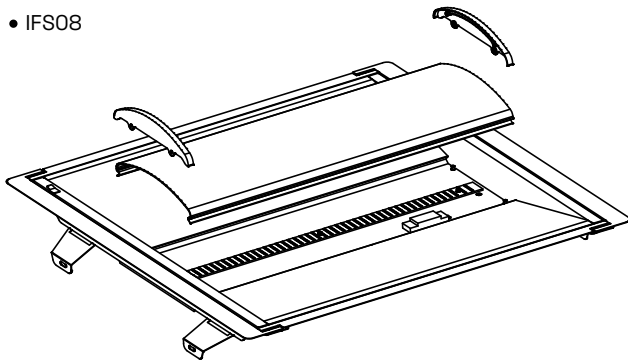


INSTALLATION

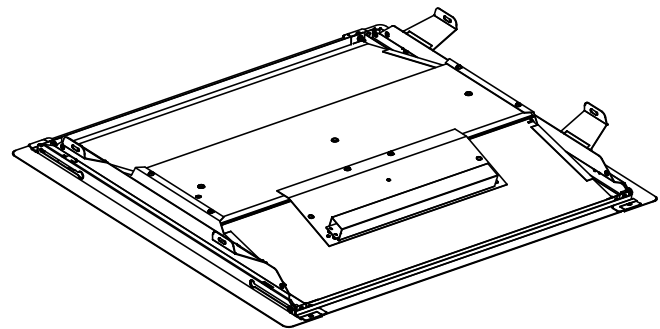
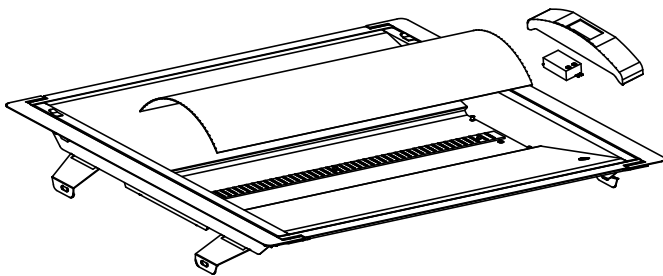
Additional Accessories

- Microwave Motion Sensor

- IFS08

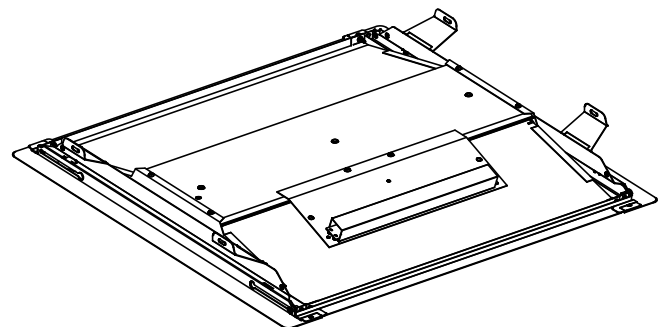
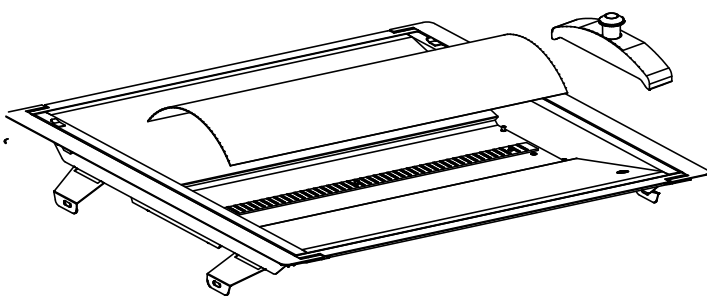


- ANT9

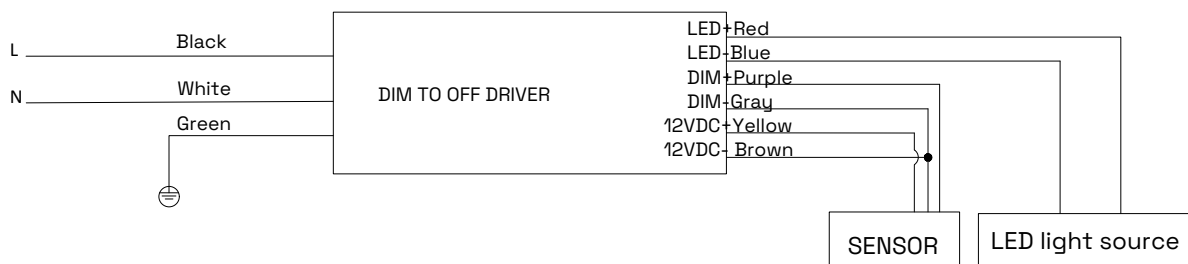


Infrared Ray Sensor

- ANT-4A



General Wiring Diagram



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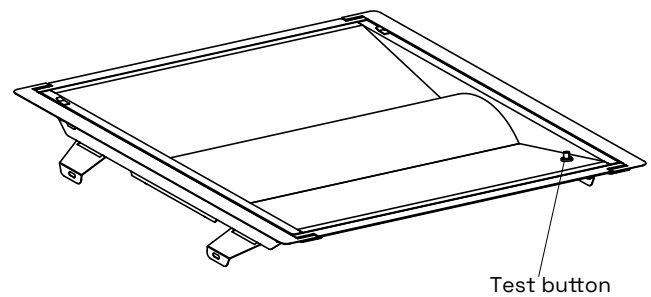
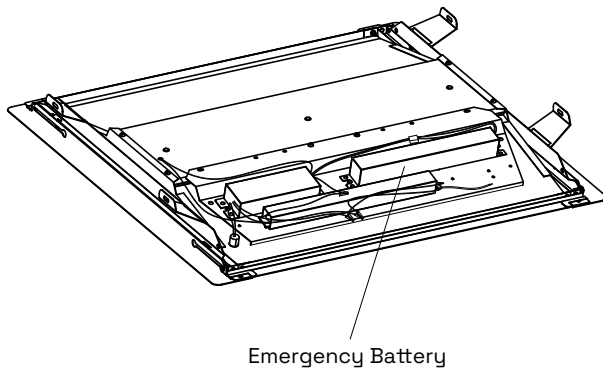
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INSTALLATION

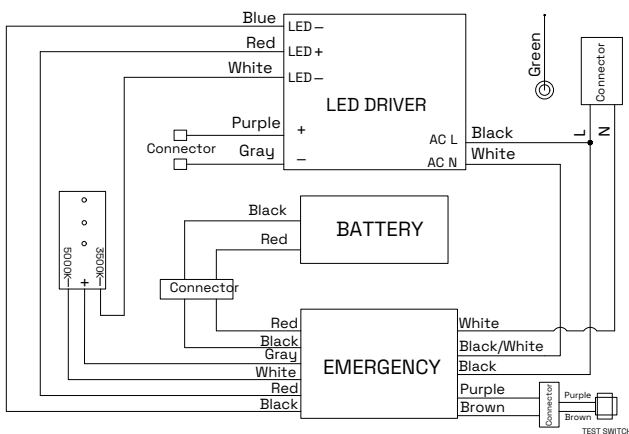
Additional Accessories

- Emergency Battery Back-up

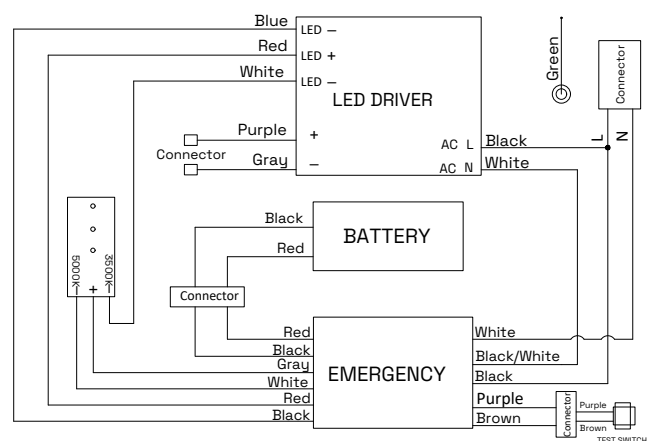


General Wiring Diagram

if emergency color temperature is 5000K



if emergency color temperature is 3500K

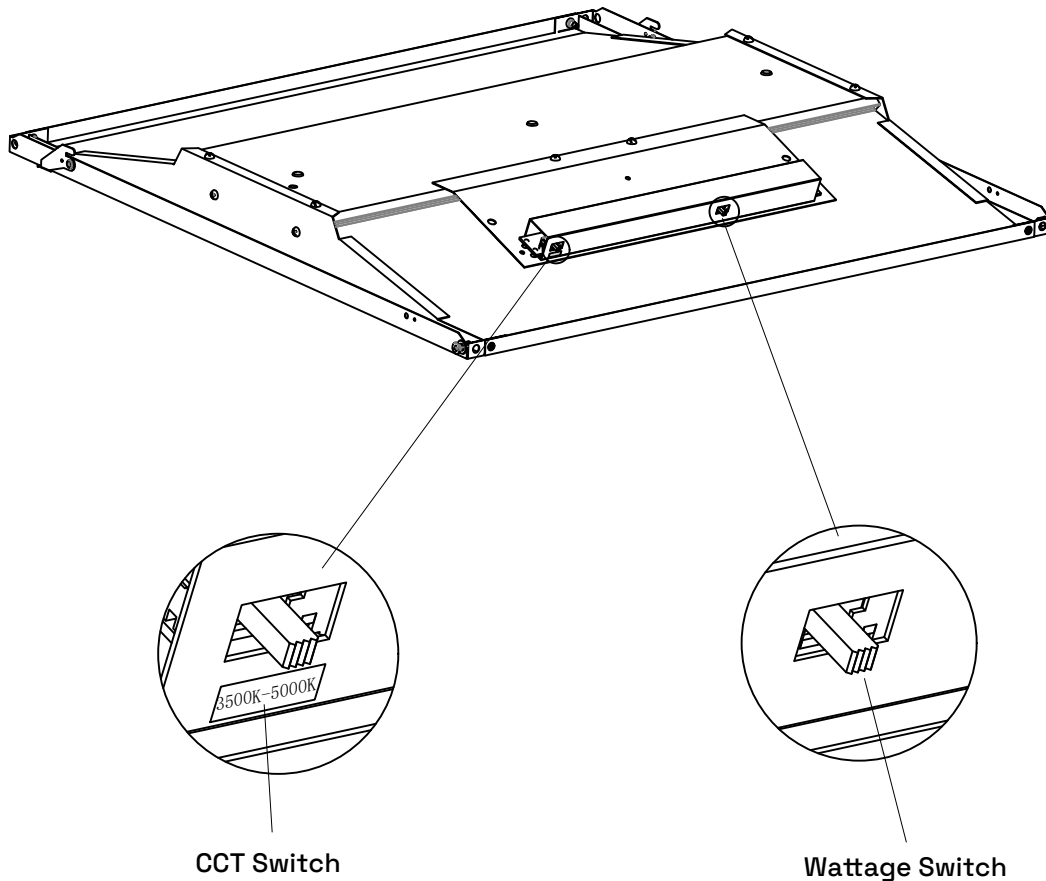


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INSTALLATION

Field-Adjustable Wattage & CCT



CCT Switch

Wattage Switch

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.