

2x4 LED RETROFIT TROFFER KIT

Installation Instructions

MODEL NUMBERS: RTR04-30T50W-3CCT-DV2-WH

Contact Information

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

Email: info@medinahpower.com

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IMPORTANT SAFETY INFORMATION

Read this entire manual before attempting installation or operation.

This fixture is designed to operate with either 120–277VAC or 277–480VAC. Installation must follow all local and national electrical codes.

GENERAL SAFETY PRECAUTIONS

- Read this entire manual before attempting installation or operation.
- Installation must follow all local and national electrical codes.
- Only qualified electricians should perform installation or service.
- Turn off power at the circuit breaker before installation.
- Ensure the fixture is properly grounded.
- Use approved connecting devices such as wire nuts or crimp-on lugs.
- Allow the fixture to cool before handling (burn hazard).
- Do not use in wet locations.
- Do not cover with insulation or expose to corrosive substances.
- Wear gloves and use proper tools during installation.

FCC COMPLIANCE NOTICE

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

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

This equipment has been tested and found to comply with Class B digital device limits. If interference occurs:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect to an outlet on a different circuit.
- Contact a qualified radio/TV technician.

Unauthorized changes or modifications may void your authority to operate this equipment.

CAUTION

- Do not test the LED light using a portable generator.
- Follow all local, regional, and national regulations.
- Do not install during rain or in wet conditions to prevent shock or damage.
- Use gloves during installation to avoid injury.
- In case of smoke, fire, or unusual odor, shut off power immediately and contact a qualified technician.
- This fixture is suitable for outdoor installations.

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PRODUCT FUNCTIONALITY & WIRING

- Input Voltage: AC120–277V
- Selectable Wattage: 30W / 40W / 50W
- CCT Settings: 3500K / 4000K / 5000K
- Luminous Efficacy: 125 lm/W
- CRI: ≥80
- Power Factor: ≥0.9
- Dimming: 0–10V
- Warranty: 5 Years

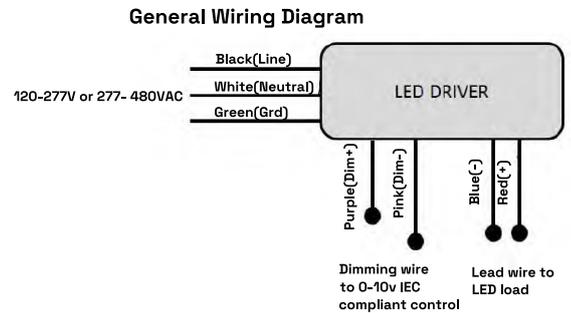
□ Wiring Diagram

- Black: Line (L)
- White: Neutral (N)
- Green: Ground
- Purple: Dim +
- Pink: Dim -

□ Wiring Diagram

NOTE: Use minimum 90°C supply conductors.

NOTE: Do not relocate factory-installed green ground screw.



INSTALLATION STEPS

NOTE: Refer to figure numbers as shown in the actual diagrams.

STEP 1: POWER OFF

- Turn off power at the breaker panel before beginning installation.

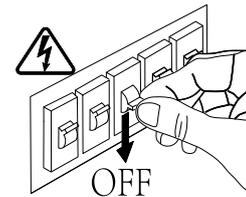


Fig 1

STEP 2: REMOVE EXISTING FIXTURE (FIG. 2)

- Remove existing fluorescent tubes.
- Disconnect and remove the ballast from the old fixture.

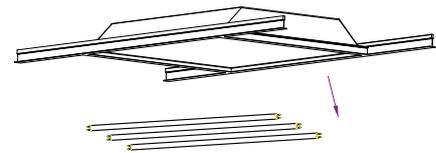


Fig 2

STEP 3: OPEN THE DRIVER BOX (FIG. 3)

- Unscrew the driver cover.
- Connect the conduit to the driver box securely.

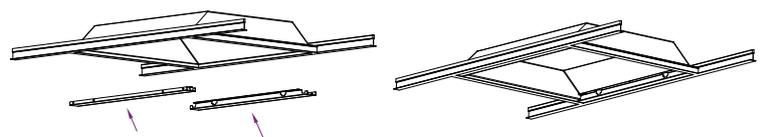


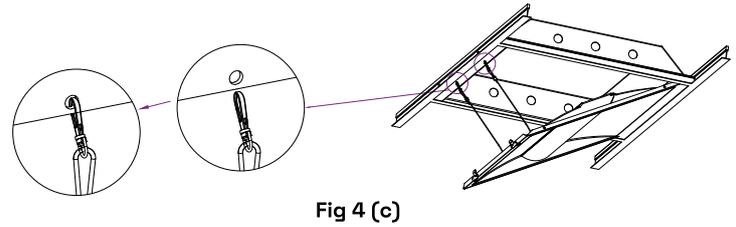
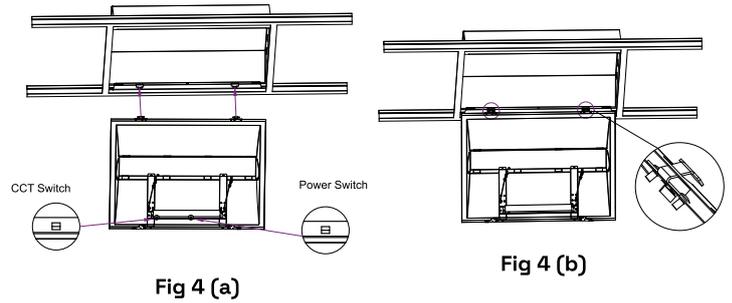
Fig 3

2x4 LED RETROFIT TROFFER KIT

Installation Instructions

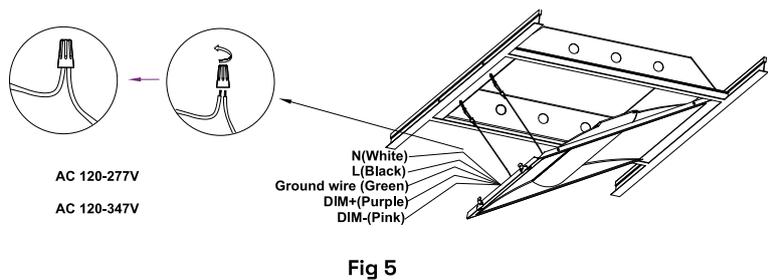
STEP 4: MOUNT THE RETROFIT KIT (FIG. 4)

- Install the retrofit troffer into the ceiling grid where the existing troffer was removed.
- Use included mounting brackets or screws for securing the frame.
- Add protective brackets for additional safety if required.



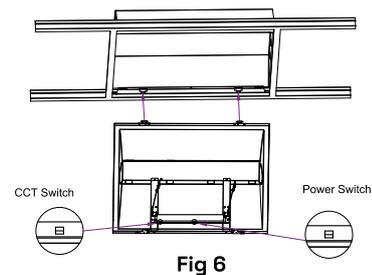
STEP 5: WIRING CONNECTIONS (FIG. 5)

- Connect the input wires:
 - Black to Line (L)
 - White to Neutral (N)
 - Green to Ground
 - Purple to Dim + (if dimming is used)
 - Pink to Dim - (if dimming is used)
- Secure all connections using wire nuts.
- Replace the driver cover and tighten the screws.



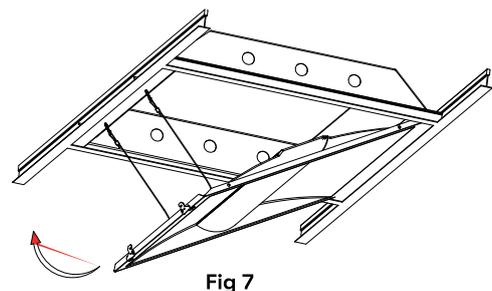
STEP 6: CONFIGURE POWER & CCT SETTINGS (FIG. 6)

- Use the onboard switch to select the desired CCT (3500K, 4000K, 5000K).
- Confirm that the driver box is fully closed and secure.



STEP 7: RESTORE POWER & TEST (FIG. 7)

- Turn the power back on at the breaker.
- Verify that the fixture illuminates correctly.
- Test dimming functionality if applicable.
- Ensure selected CCT setting is suitable for the environment.



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Installation Instructions

USAGE, CARE & MAINTENANCE

- Designed for dry or damp indoor environments.
- Clean with a soft cloth. Do not use harsh chemicals or abrasives.
- Inspect fixture periodically for wear or damage.
- Replace only with Medinah-approved parts.

NOTE: Always disconnect power before performing any maintenance.

NEED HELP? CONTACT MEDINAH POWER:

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RETAIN THIS MANUAL FOR FUTURE USE