

2x4 High Performance Magnetic LED Retrofit Kit

DANGER!

RISK OF FIRE OR ELECTRIC SHOCK. INSTALLATION OF THIS RETROFIT ASSEMBLY 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.

WARNING!

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.

- Risk of fire or electric shock. Installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Risk of fire or electric shock. Install this product only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the product does not exceed the input rating of the luminaire.
- Risk of fire or electric shock. Check the existing wiring for damage before installing. Do not install if existing wires are damaged.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.
- Installers should not disconnect existing wires from lampholder terminals to make new connections at lampholder terminals. Instead installers should cut existing lampholder leads away from the lampholder and make new electrical connections to lampholder lead wires by employing applicable connectors.
- Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when installing hardware. Inspect wiring and components for damage.

NOTE:

THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY CSA OR AUTHORITIES HAVING JURISDICTION.

- "This luminaire has been modified and can no longer operate the originally intended lamp," shall be marked on the retrofit luminaire where readily visible by the user during normal maintenance, including relamping.
- "This luminaire has been modified to operate LED lamps. Do not attempt to install or operate *lamps in this luminaire" shall be marked on the retrofit luminaire where readily visible by the user during normal maintenance including relamping. "*" shall be replaced by the original illumination type such as "fluorescent," "HID," etc.
- 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.
- LED Lamp Replacement Marking – Identification of the replacement LED lamp type / Model to be used along with manufacturer and ordering information.

2x4 High Performance Magnetic LED Retrofit Kit

Installation Steps

Disconnect All Power

INSTALLER NOTES:

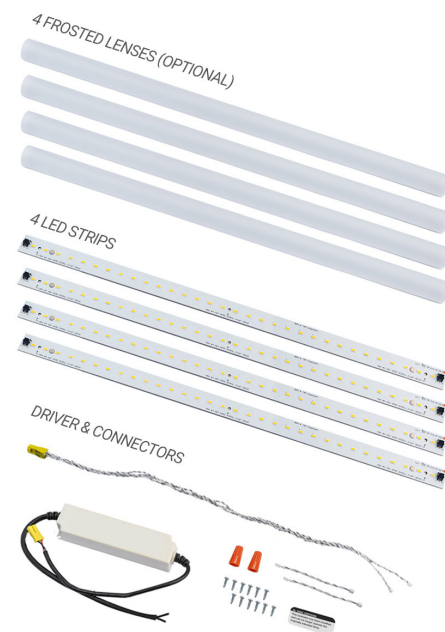
- 1.) **IMPORTANT:** During install, be careful not to touch the LEDs, at the risk of damaging them.
- 2.) A set of labels with model, serial number, and date of manufacture are included in packaging and must be installed in the luminaire once installation is complete. All of these labels must be applied in compliance with UL standards. Luminaire Modification Label must be adhered to the mounting surface once kit is installed.
- 3.) Install requires application of the Luminaire Modification Label provided in your kit, as per UL. This label includes the statement: "This fixture has been modified and can no longer operate the originally intended lamp." This label should be applied to troffer housing during installation.
- 4.) **IMPORTANT:** Placement of kit components should be thought out and determined prior to surface adherence, to ensure that placement of parts reflects cable lengths. LED driver cannot be permanently connected to mains. LED Driver can only be used behind a switch.
- 5.) Placement of Rapid Thermafuse Strips in a fixture using a parabolic lens must be carefully determined prior to adherence, so that strips will be placed in the middle of cells to allow maximum light output.

Luminaire Modification Label:



Before install, ensure your kit includes the following:

- 2ft LED Strips (x4)
- LED External Driver
- Connectors
- Screws
- Wire Nuts
- UL Certified Sticker
- Lenses (Optional)



STEP 1

- Read all warnings (Page 1) and Installer Notes before proceeding with retrofit.
- Check your retrofit kit against parts list (above). Lenses will be packaged separately.

STEP 2

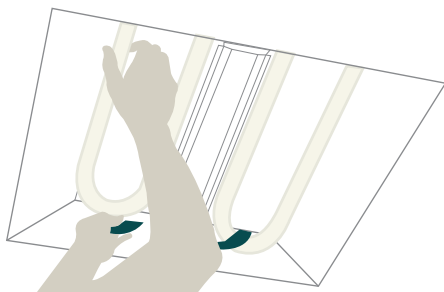
- Disconnect power from fixture. **WARNING:** Risk of fire or electric shock. Check the existing wiring for damage before installing. Do not install if existing wires are damaged
- Remove fixture's diffuser cover (with frame).

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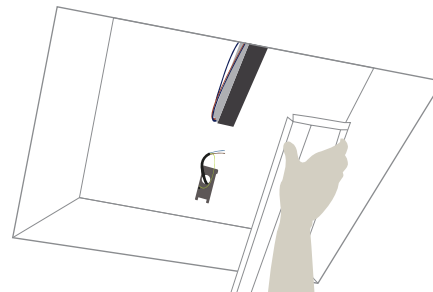
Installation Steps

Disconnect All Power**STEP 3**

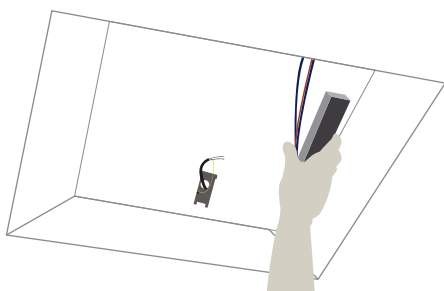
Remove fluorescent tubes. **Dispose of tubes in proper accordance with current state and federal regulation. Fluorescent tubes contain hazardous materials.**

**STEP 4**

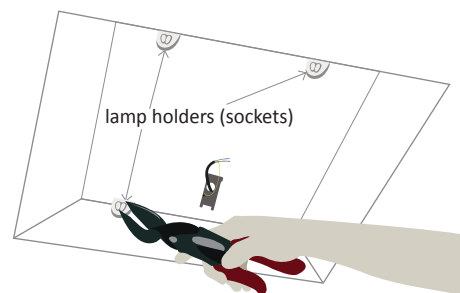
Remove ballast cover.

**STEP 5**

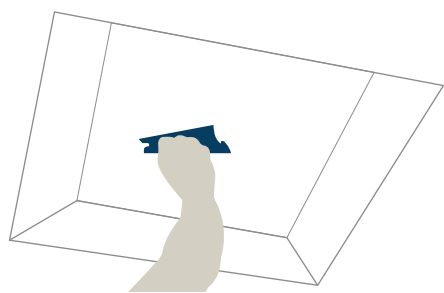
Remove fluorescent ballast.

**STEP 6**

Cut the wiring at the lamp holder strips. Do not remove lamp holders.

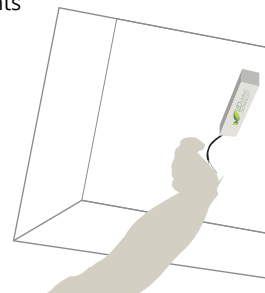
**STEP 7**

Use cloth and 70-80% alcohol solution to wipe down the surface of housing thoroughly. Be sure to remove all dust, grease, etc. and dry before proceeding.

**STEP 8**

Install LED Driver, securing with the screws provided in the kit:

- Ensure that there are no wires, components, or hidden compartments within the fixture before drilling.
- Remove cover film from thermal tape on the back of the LED Driver.
- When determining where to mount driver, consider cable lengths to ensure all components will be within reach. Carefully press LED Driver on surface of luminaire.
- Use a power drill and magnetic socket to secure LED Driver with screws in holes located on supply.

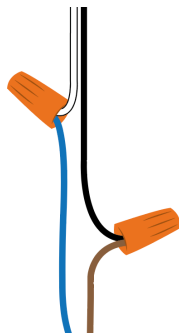


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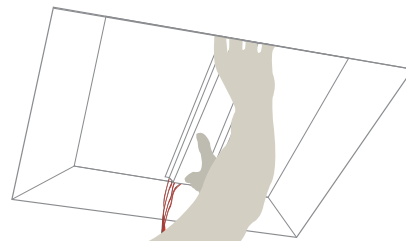
Installation Steps

Disconnect All Power**STEP 9**

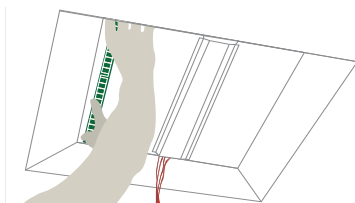
Connect driver to AC using orange wire nuts.

**STEP 10**

Re-install ballast cover over the LED Driver. (For 1'x4' with a cover plate rather than ballast cover, you will re-install the cover plate now). Make sure you run jumper wires out the end of the ballast cover/cover plate.

**STEP 11**

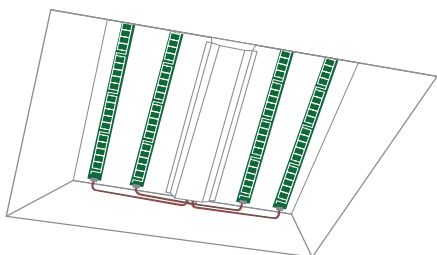
Ensure fit and spacing (as desired) of the LED strips between the existing socket/socket bars. You may use tombstones/sockets as a guide for placement. Space evenly and not too close to the ballast cover/plate. **If the LED board is too long, please remove the socket bars.**

**STEP 12**

Place magnetic strip to your fixture and secure LED strips with screws provided with the kit.

STEP 13

Attach connectors to the LED strips

**STEP 14**

- For lenses, snap on individual strip cover by applying pressure to both sides and smoothing over.
- Re-install existing troffer lens.
- Reconnect Power to Unit.
- Attach the Luminaire Modification sticker readily visible by the user during normal maintenance.

UL 1598C CERTIFIED

This luminaire has been modified and can no longer operate the originally intended lamp.

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Strip Configuration

