

LED Retrofit for T5/T8/T12 Fluorescent High Bays

DANGER!

Risk of shock. Disconnect power before installation.

WARNING!

- 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.
- Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.
- 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. Check for enclosed wiring and components.
- Risk of fire or electric shock. Check the existing wiring for damage before installing. Do not install if existing wires are damaged.
- This product is accepted as a component of a luminaire where the suitability of the combination shall be determined by 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.

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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 installed on retrofit kit.
Please do not remove or tamper with these important labels or the warranty will be considered void.
- 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 (Step 13).

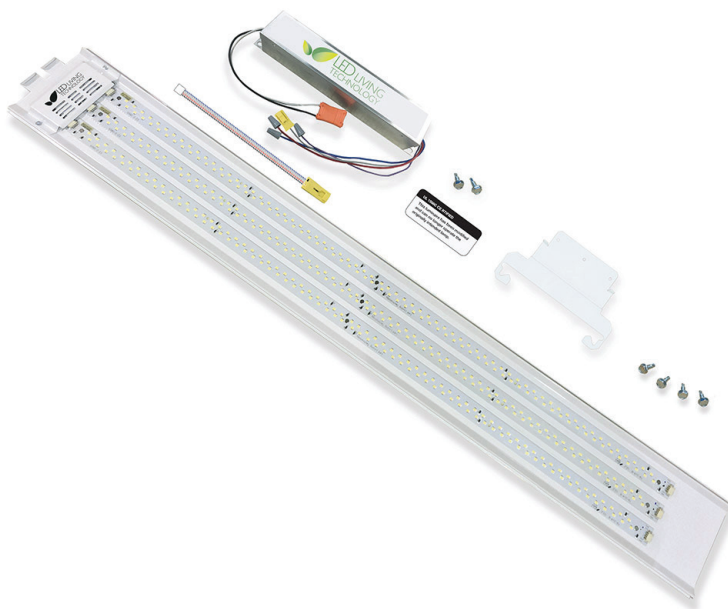
Luminaire Modification Label:

UL 1598C CERTIFIED

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

Before install, ensure your kit includes the following:

- Retrofit Panel(s)
- LED Power Supply
- Adjustable Drop-Down Mounting Bracket
- DC Extension Cable
- Self-Tapping Screws
- UL Certified Sticker



STEP 1

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

STEP 2

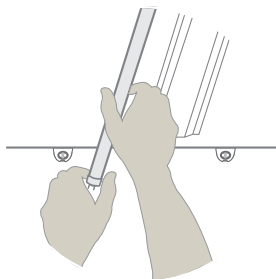
- Disconnect power from fixture.
- If present, remove any parabolic louver, cage, frame and /or acrylic lens. Set components aside for later use.

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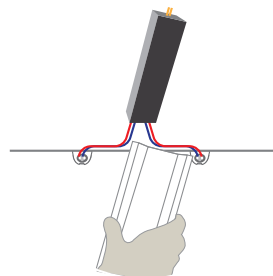
Installation Steps

Disconnect All Power**STEP 3**

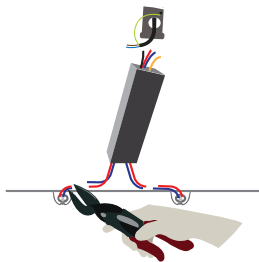
Remove fluorescent lamps. **Dispose of lamps in proper accordance with current state and federal regulation. Fluorescent lamps contain hazardous materials.**

**STEP 4**

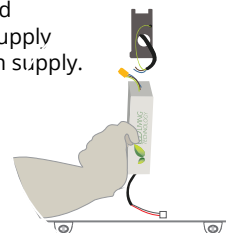
Remove any and all components necessary to access existing fluorescent ballast including but not limited to reflectors. Put components aside for later use.

**STEP 5**

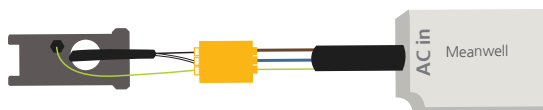
- Disconnect fluorescent ballast from AC input.
- Cut the wiring at the lamp holders/socket bars. Removing lamp holder/socket bar is optional. Removing the ballast is optional.

**STEP 6**

- When determining where to mount LED Power Supply, consider provided cable lengths supplied.
- Install Power Supply, first by attaching with thermal tape, then securing with screws provided in the kit. Use a Power Drill and Magnetic Socket to secure LED Power Supply with supplied screws in holes located on supply.

**STEP 7**

Connect driver to AC by pushing existing AC wire ends into the pre-installed Quick-Connect. For kits with 2 drivers, you will use additional wire (not supplied) to jump AC power to the additional driver.

**STEP 8**

Connect DC cable extension. See page 5 for diagram.

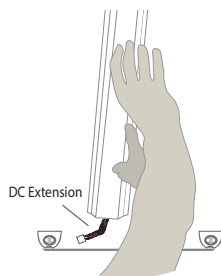
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Installation Steps

Disconnect All Power

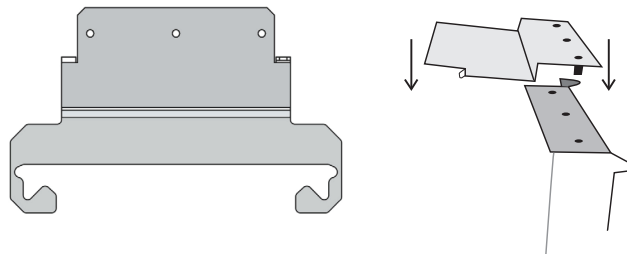
STEP 9

Re-install all components set aside that were originally used to contain fluorescent ballast, including, but not limited to, reflectors. Make sure to run the DC extension outside of the ballast



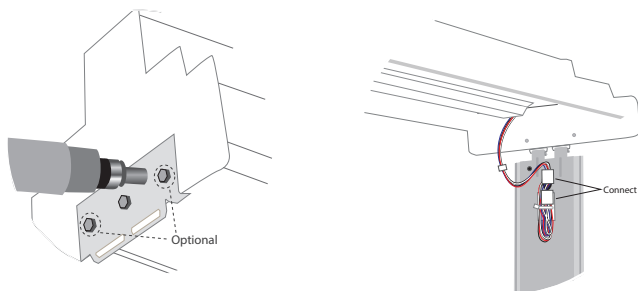
STEP 10

Install bracket(s) onto panel by aligning pins with holes on panel and pressing until it is clicked into place. Secure bracket(s) with self tapping screws. A minimum of one screw in the middle support hole is necessary.



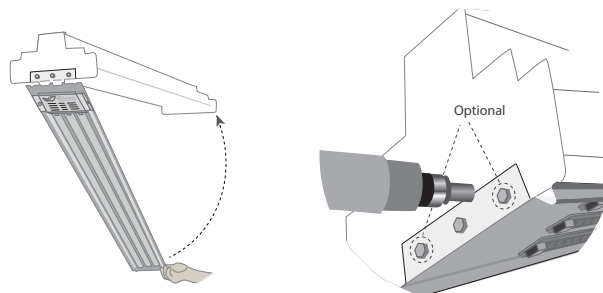
STEP 11

Hook LED Retrofit to the bracket. Connect retrofit system to cable extension previously installed. Press snap in strain relief into supplied hole in panel(s).



STEP 12

Swing up panel, and secure with supplied self tapping screw. A minimum of one screw in the middle support hole is necessary.



STEP 13

Install Luminaire Modification Label by removing cover film from the back of Luminaire Modification Label. Stick Luminaire Modification Label somewhere easily visible on the fixture, smoothing it over.

UL 1598C CERTIFIED

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

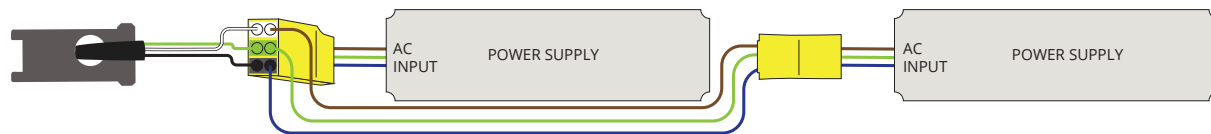
STEP 14

- If applicable, re-install protective cage.
- Reconnect power to unit, and enjoy your newly retrofitted fixture.

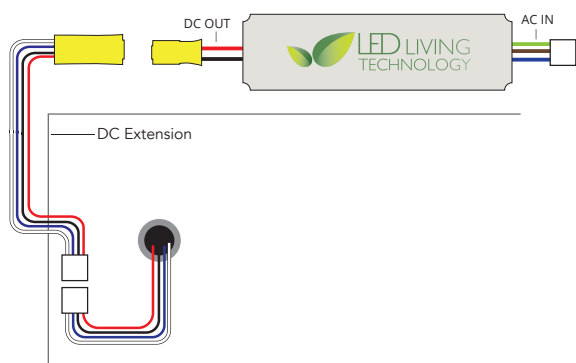
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Wiring Diagrams

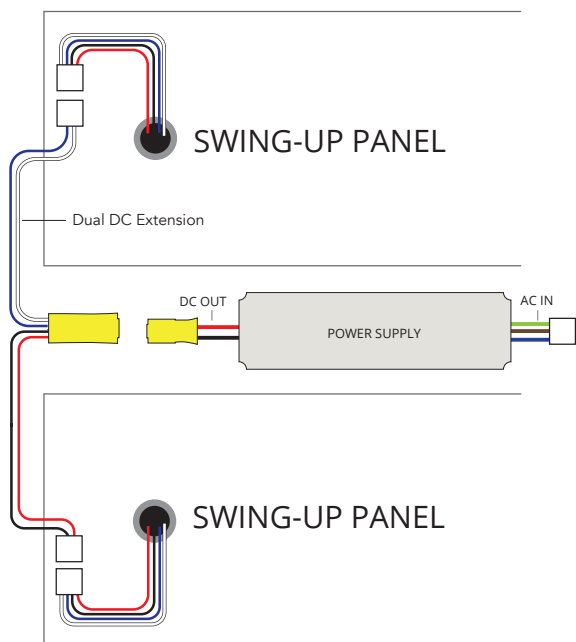
POWER SUPPLY INSTALL DIAGRAM



SINGLE PANEL



DOUBLE PANEL



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Installation Tips

RETROFITS THE FOLLOWING FLUORESCENT FIXTURES:

- 3- & 4-lamp T5/T5HO fixtures
- 6- & 8-lamp T8/T12/HO fixtures
- 6-lamp T5/T5HO fixtures
- 10-lamp T8/T12/HO fixtures
- 8-lamp T5/T5HO fixtures
- 12-lamp T8/T12/HO fixtures

