PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read the instructions before you install and use the linear tube(s).

WARNING: 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

RISK OF SHOCK: DISCONNECT POWER BEFORE INSTALLATION

- Risk of fire or electric shock The electrical rating of this product is 120-277V, the installer must determine whether they have AC 120V-277V at the luminaire before installation.
- Risk of fire or electric shock Retrofit kit installation requires knowledge of electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Risk of fire or electric shock Install these tubes only in the luminaires that have the construction features and dimensions shown in the drawings.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- To avoid potential fire or shock hazard, do not use the this retrofit kit in luminaires employing shunted bi-pin lampholders. Note: Shunted lamp holders are found only in fluorescent luminaires with Instant-Start ballasts. Instant-Start ballasts can be identified by the words Instant-Start or I.S. marked on the ballast, This designation may be in the form of a statement pertaining to the ballast itself, or may be combined with the marking for the lamp with which the ballast is intended to be used, for example F40T12/IS. For more information contact the LED luminaire retrofit manufacturer.
- WARNING RISK OF FIRE OR ELECTRIC SHOCK. DO NOT ALTER, RELOCATE, OR REMOVE WIRING, LAMPHOLDERS, POWER SUPPLY, OR ANY OTHER ELECTRICAL COMPONENT.
- THE RETROFIT ASSEMBLY IS ACCEPTED AS A COMPONENT OF A
 LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE
 DETERMINED BY UL OR AUTHORITIES HAVING JURISDICTION.

- Intended to retrofit surface mount,Type IC or non-IC recessed mount Listed fluorescent luminaires that use maximum four tubular lamps, the minimum lamp compartment dimensions: 36.2" L x 22.4" W x 3.0" H (3ft) and 47.8" L x 23.8" W x 3.0" H (4ft).
- 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.
- TYPE B LAMP intended for operation in luminaires with traditional fluorescent-type lampholders wired directly to the branch circuit. This includes both factory-wired luminaries as well as those converted for this purpose under a retrofit program.
- Only use the control provided with or specified by these instructions to control this lamp. This lamp will not operate properly when connected to a standard (incandescent) dimmer or dimming control. Dimmable only when used with special 0-10V system interface component, ETA Q1.

IMPORTANT SAFETY INSTRUCTIONS

- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- The end retrofit luminaire has been modified and can no longer operate the originally intended lamp.
- Caution-Risk of Electric Shock Use in Dry and Damp Locations Only.
- Risk of Electric shock Do Not Use Where Directly Exposed To Water.
- Suitable for use with the following emergency equipment : Item #: 50409.

REMOVING FLUORESCENT LAMP SYSTEM

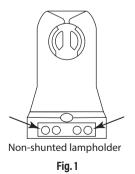
- Disconnect power from fixture
- · Remove fluorescent bulb
- · Remove wiring compartment cover
- Cut all wires which are connected to the ballast and remove it.

STOP

DO NOT install this product in a fixture that uses shunted lamp holders (found in all fixtures with instant start ballasts). Installing this product with shunted lamp holders will cause a short circuit condition in the lamp holder and create a fire or shock hazard. Before continuing, determine if the lamp holders currently installed in the fixture are shunted or non-shunted. If the current lamp holders are shunted, cut the wires away from the lamp holders and install non-shunted lamp holders, making new connections with the lead wires at terminals indicated in Fig. 1.

NOTE: If using existing non-shunted lamp holders, installer should not disconnect lead wires from the lamp holders and make new connections at terminals. Instead, cut lead wires away from lamp holder and make new connection to lead wires using approved connectors.

UL Type B Lamps are designed for use with LED-Ready fixtures follow lamp wiring instructions. When using any alternate-brand fixture, please review the specific lamp installation guide wiring requirements first, to make sure the fixture is compatible before lamp installation.

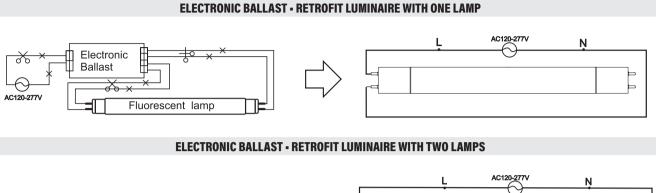


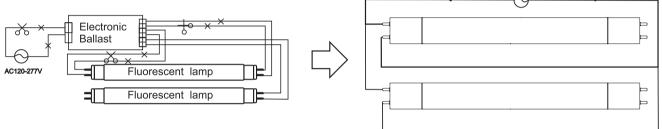
LED T8 DIRECT WIRE

INSTALL INSTRUCTIONS (BALLAST BYPASS - UL TYPE B)

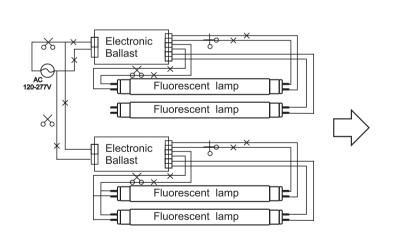
WARNING DISCONNECT POWER BEFORE INSTALLING OR SERVICING.

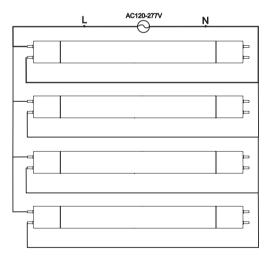
WIRING INSTRUCTIONS





ELECTRONIC BALLAST - RETROFIT LUMINAIRE WITH THREE LAMPS





MAGNETIC BALLAST - RETROFIT LUMINAIRE WITH ONE LAMP

