

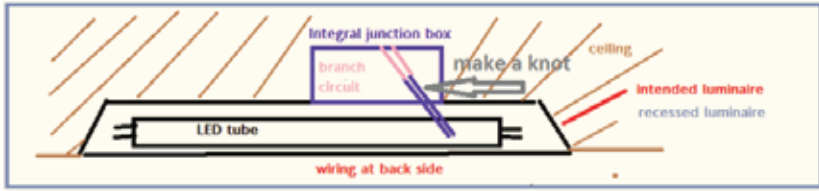
For Recessed mounted luminaire which is connected to the conduit:

Step A: Remove the fluorescent tubes and diffuser if necessary, disconnect the ballast input leads.

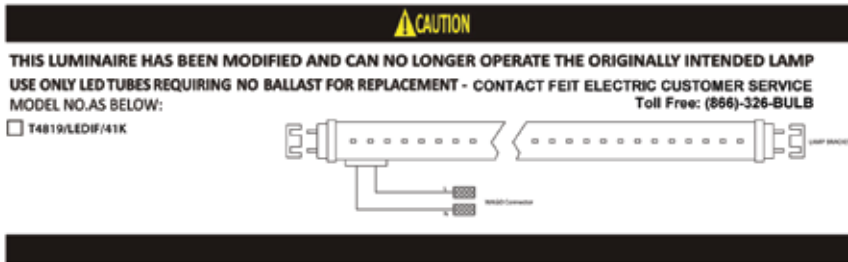
Step B: Check whether there is an existing hole on the outside surface of the luminaire which is parallel to tubes, and whether the hole is suitable for input leads coming from the LED tubes, if not, please drill a hole which is suitable size for SPT-2 cord

Step C: Uninstall the luminaire if necessary. The LED tube wire input leads (the two (2) wires existing the LED tube) are covered by a minimum 0.25 mm glass fiber sleeving, let the input fiber sleeved cord of the LED tube go through the hole (in Step B) to the inside of the ballast enclosure, and make a knot to prevent the sleeved wire from slipping back thru the hole then connect the wires from the fiber sleeved cord to the branch circuit wiring inside integral junction box using the 8 receptacle quick connect wire nut connector (provided) or any other connectors. If using standard wire nuts, must cut 1" of wire from end including exposed lead and restrip wire to ensure connection within wire nut.

One (1) wire from each LED lamp installed and the hot from the brand circuit should be connected. The other wire from each LED lamp installed and the neutral from the branch circuit should then be connected.



Step D: Affix enclosed retrofit label in a visible section inside the luminaire.



Step E: Install the LED tube to lamp holders, make sure the splices and leads were not exposed outside the luminaire, cover the diffuser and other part if necessary.

Please contact a FEIT Electric representative Toll Free at (866) 326-BULB (2852) or by emailing info@feit.com if you have any questions on these instructions.

MAKE SURE OF THE FOLLOWING:

1. Make sure to cap all wires using wire nuts and electric tape to ensure wires do not loosen after retrofit.
2. Make sure you place the enclosed sticker on the fixture indicating it has been modified.

AVOID LOOKING INTO DIRECT LAMP LIGHT FOR LONG PERIODS OF TIME. MINIMUM DISTANCE BETWEEN LAMPS IS 11MM. INTENDED TO RETROFIT MAXIMUM SIX LAMPS, LISTED SURFACE MOUNTED, TYPE NON-IC OR TYPE IC RECESSED MOUNTED FLUORESCENT LUMINARIES WITH OR WITHOUT DIFFUSER.

Limited Warranty:

Feit Electric warrants that this bulb will be free from defects in material and workmanship and will operate for 5 years based on up to 12 hours average usage per day/7 days per week, when used as directed. If this bulb does not conform to the warranty, return the product in its original packaging to the retailer or distributor where the bulb was purchased for a replacement. As an option, Feit Electric can choose to send you, at its discretion, a replacement bulb or refund your original purchase price upon receipt of the returned bulb, register receipt and proof of purchase. Please call our toll-free number, write to Feit Electric or send an email at the website below to find out how to return the bulb. This limited warranty does not cover bulbs subject to accident, neglect, abuse, misuse or acts of God. **REPLACEMENT OR REFUND IS YOUR SOLE REMEDY. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY. LIABILITY FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES IS HEREBY EXPRESSLY EXCLUDED.** Some states do not allow exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



Wiring Instructions for Luminaire Conversion, LED Retrofit

Model Descriptions: T4819/LEDIF/41K

Product should be installed in accordance with these instructions, current electrical codes and/or current National Electric code (NEC).

- ⚠ Read entire instructions thoroughly prior to installation. Risk of fire or electric shock. Do not attempt to install if not qualified. Knowledge of fluorescent lighting fixture bypass required. Contact a qualified electrician.
- ⚠ The wiring instructions apply to either AC100V- AC277V. Be sure to confirm your existing voltage prior to installing this item as there is risk of fire or electric shock for improper installation.

	Retrofitted Luminaire Type		
T4819/LEDIF/41K	Fluorescent Type IC or Non-IC Recessed Luminaire/Surface-Mounted with or without a diffuser	Replaceable bi-pin LED Tube Lamp	100-277V ac, 180ma, 19W



WARNING RISK OF ELECTRIC SHOCK - DO NOT OPEN



TO REDUCE RISK OF ELECTRIC SHOCK, DO NOT OPEN AND DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

For use only with fluorescent luminaires identified in manufacturer's instructions.

Do not use this product if wiring is broken or damaged, and turn off power before installation.

You should only allow a licensed qualified electrician to install this product.

LED Tube lights require a bypass of the ballast and direct feed prior to being installed, starters should be bypassed as well.

Always connect ground lead to luminaire if applicable.

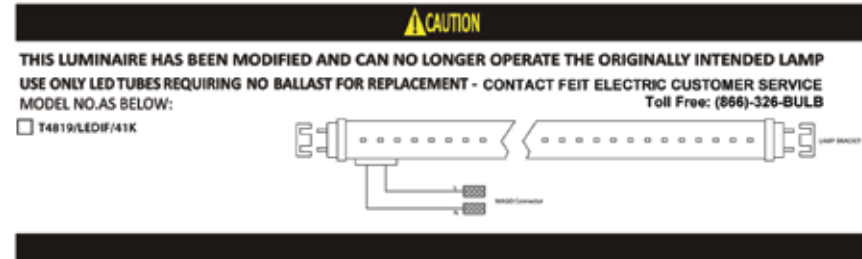
Do not expose wiring to edges of sheet metal or other sharp objects as this may cause wiring damage.

NOT SUITABLE FOR USE WITH DIMMERS.

Do not use where directly exposed to water, or high moisture content.

This item is not for use with emergency lighting fixtures or emergency exit lights.

ONCE YOU COMPLETE RETROFIT OF FIXTURE AFFIX THE ENCLOSED STICKER TO THE FIXTURE THAT READS:



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 - 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.

"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."

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

Installers should not disconnect existing wires from lamp holder terminals to make new connections at lamp holder terminals. Instead installers should cut existing lamp holder leads away from the lamp holder and make new electrical connections to lamp holder lead wires by employing applicable connectors.

Parts listed	Quantities
LED tube	1
Installation Instructions sheet	1
8 receptacle quick connect wire connector	2
Zip Tie	1
Label	1

DANGER - RISK OF SHOCK - DISCONNECT POWER PRIOR TO INSTALLATION
IF YOU HAVE ANY QUESTIONS ABOUT THESE INSTRUCTIONS PLEASE CALL US AT (866) 326-BULB(2852).

Installation Instructions and Wiring Diagrams

STEP 1 - Disconnect the power to the luminaire. Remove diffuser if applicable. Check the label on your lamp to ensure it is compatible with the voltage of the luminaire. LED retrofit T8 lamps are suitable for 100VAC-277VAC luminaires. The original luminaire constructions as following **Fig 1**:

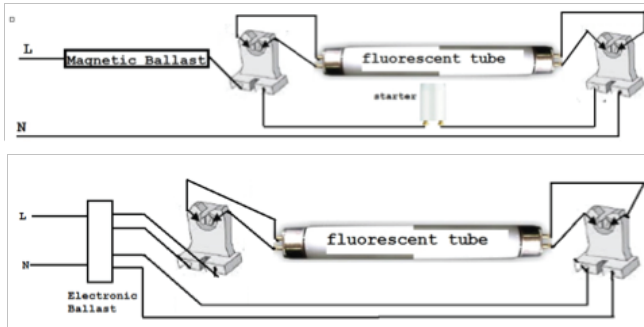


Fig. 1

STEP 2 - Remove reflector and disconnect or remove the fluorescent ballast and Disconnect starter and lamp holders in the existing luminaire, where applicable. See **Fig. 2**. Then go on following steps.
LED T8 Lamps DO NOT require a ballast or starter. (Always discard or recycle electronic components in accordance to local ordinances.)

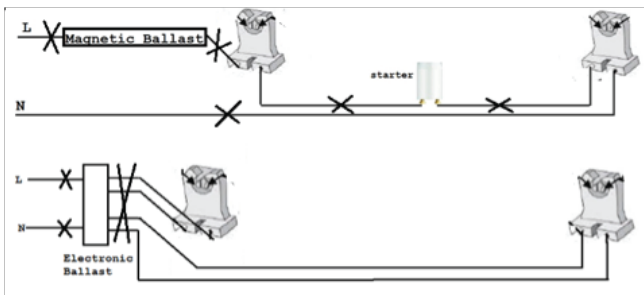


Fig. 2

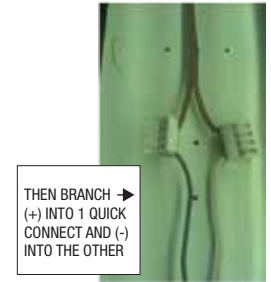
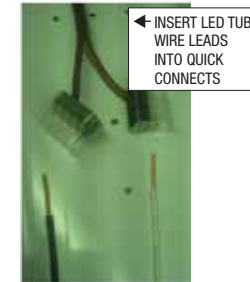
For surface mounted luminaire connected to conduit or outlet box

Step A: Remove the fluorescent tubes and diffuser, open the ballast enclosure if necessary, disconnect the ballast input leads.

Step B: Check whether there is an existing hole on the outside surface of the luminaire which is parallel to tubes, and whether the hole is suitable for input leads coming from the LED tubes, if not, please drill a hole which is suitable size for SPT-2 cord.



Step C: The LED tube wire input leads (the two (2) wires exiting the LED tube) are covered by a minimum 0.25 mm glass fiber sleeving, let the input fiber sleeved cord of the LED tube go through the hole (in Step B) to the inside of the ballast enclosure, and make a knot to prevent the sleeved wire from slipping back through the hole, then connect the wires from the fiber sleeved cord to the branch circuit wiring from conduit or outlet box using the 8 receptacle quick connect wire nut connector (provided) or use any other connectors. If using standard wire nuts, must cut 1" of wire from end including exposed lead and restrip wire to ensure connection within wire nut.



One (1) wire from each LED lamp installed and the hot from the branch circuit should be connected. The other wire from each LED lamp installed and the neutral from the branch circuit should then be connected.

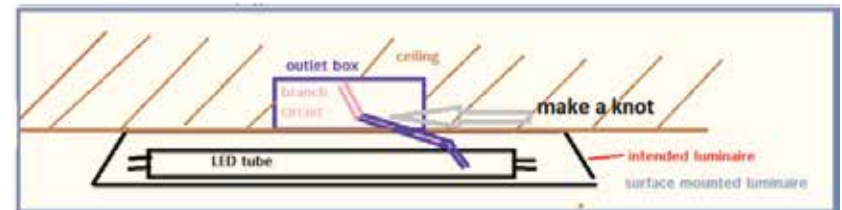
Step D: Cover the ballast enclosure. Affix enclosed retrofit label in a visible section inside the luminaire.(exhibit 1)

CAUTION

THIS LUMINAIRE HAS BEEN MODIFIED AND CAN NO LONGER OPERATE THE ORIGINALLY INTENDED LAMP
USE ONLY LED TUBES REQUIRING NO BALLAST FOR REPLACEMENT - CONTACT FEIT ELECTRIC CUSTOMER SERVICE
MODEL NO. AS BELOW:
 T4819/LED/F/41K

Toll Free: (866)-326-BULB

Step E: If there was no ballast enclosure or wiring compartment, please refer below picture.



Step F: Install the LED tube to lampholders, make sure the splices and leads were not exposed outside the luminaire, cover the diffuser and other part if necessary.