

1 General Description

LED Tube Light adopts the new type LED as the light source, using the standard TB tube's end caps, makes it easy to install and replace the traditional fluorescent lamp.

The TRF-51894 the rating is 100-277V AC, 50/60 Hz, 1W.

The package consists of LED Tube Lamp (1 pcs) and installation instruction (1 pcs), relamping label (1 pcs), cautionary label (2 pcs).

- This is a non-user replaceable light source and is known as a self-ballasted LED Tube Lamp.
- An electronic LED Driver is built into the unit.
- For dry and damp location.
- Has been evaluated for use ceiling fixtures.
- Not for use light dimmers.
- The lamp should be installed by an electrician.
- The lamp works on line voltage and requires all ballasts and starters to be removed before the bulb is installed in the fixture.
- Use in -4°F to +113°F (-20°C to +45°C) environmental conditions;
- Do not install in a raceway or a luminaire marked for through branch wiring.
- The device is not intended for use with emergency exits.
- Always connect a ground lead to fixture where applicable.
- These LED tube lamps are intended to retrofit maximum 2 lamps, Type IC or Non-IC Recessed, or surface-mounted fluorescent luminaire that use U tubular maximum 2-foot lamp with or without diffuser.
- The lamp pins provide power to two sides, can be used in Non-shunted or Shunted sockets, see Installation Instructions
- Contact your authorized dealer, distributor, if you have any questions not addressed in these instructions.

2 WARNINGS

IMPORTANT SAFETY INSTRUCTIONS

Danger - Risk Of Shock - Disconnect Power Before Installation.

WARNING - Risk of fire or electric shock. Luminaires wiring, ballasts, or other electrical parts may be damaged when drilling for installation of reflector kit hardware. Check for enclosed wiring and components.

WARNING - Risk of fire or electric shock. LED Retrofit kit installation requires knowledge of fluorescent lighting 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 has the construction features and dimensions shown in the photographs and/or drawings.

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

"The end retrofit luminaire has been modified and can no longer operate the original, intended lamp."

WARNING - Risk of fire or electric shock. Do not use this retrofit kit in luminaires employing shunted bi-pin lamp holders. "

"Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation. 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".

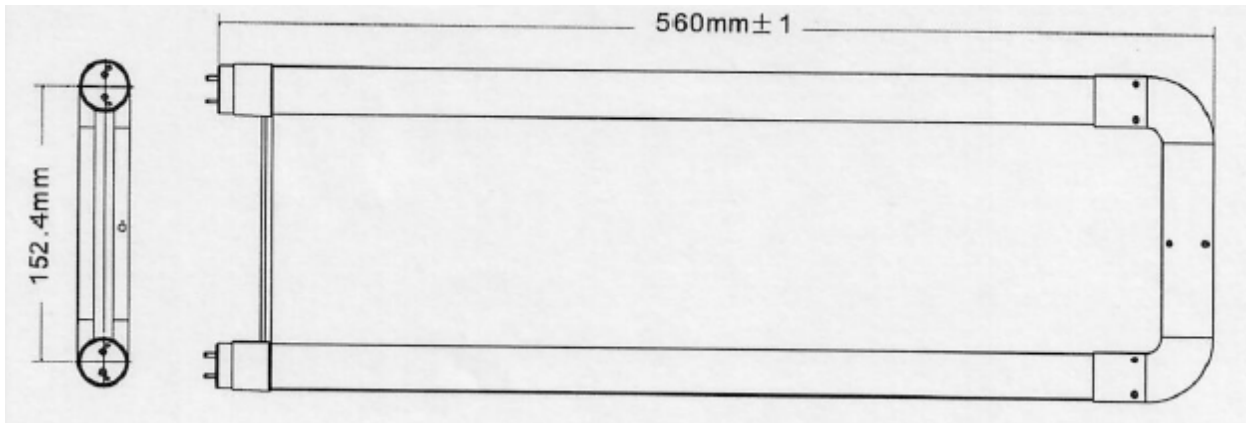
"Installers should not disconnect existing wires from lamp holder terminals to make new connections at lamp holder terminals. Instead installers should cut existing lamp holder leads away from the lamp holder and make new electrical connections to lamp holder lead wires by employing applicable connectors."

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

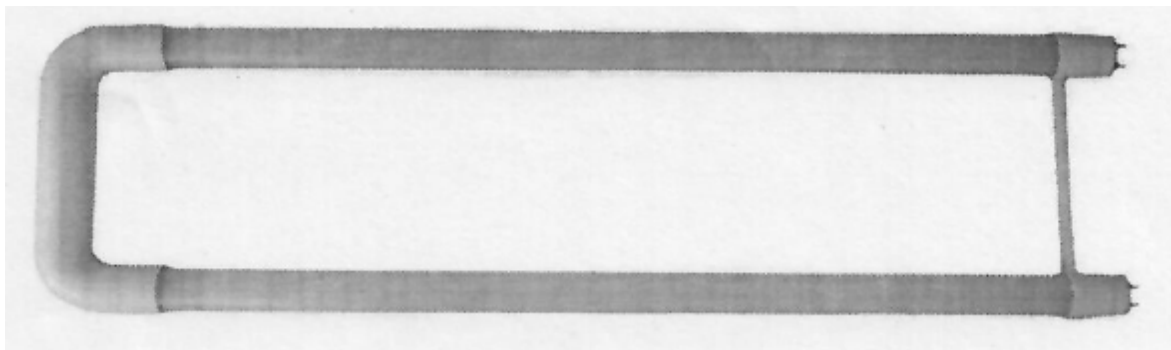
"Has been evaluated for use with ceiling luminaires and type IC recessed luminaires where the lamps can be totally enclosed (i.e. Can be installed in luminaires with a diffuser)".

3 Installation Instructions

(1) Outside Measurement:



Structure Measurement

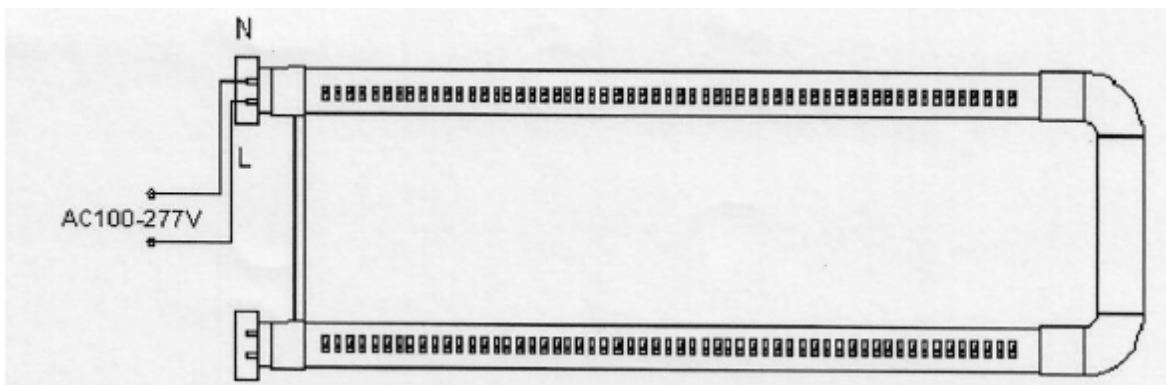


Physical Map

(2) Installation procedure:

1. Power supply

Schematic wiring diagram:



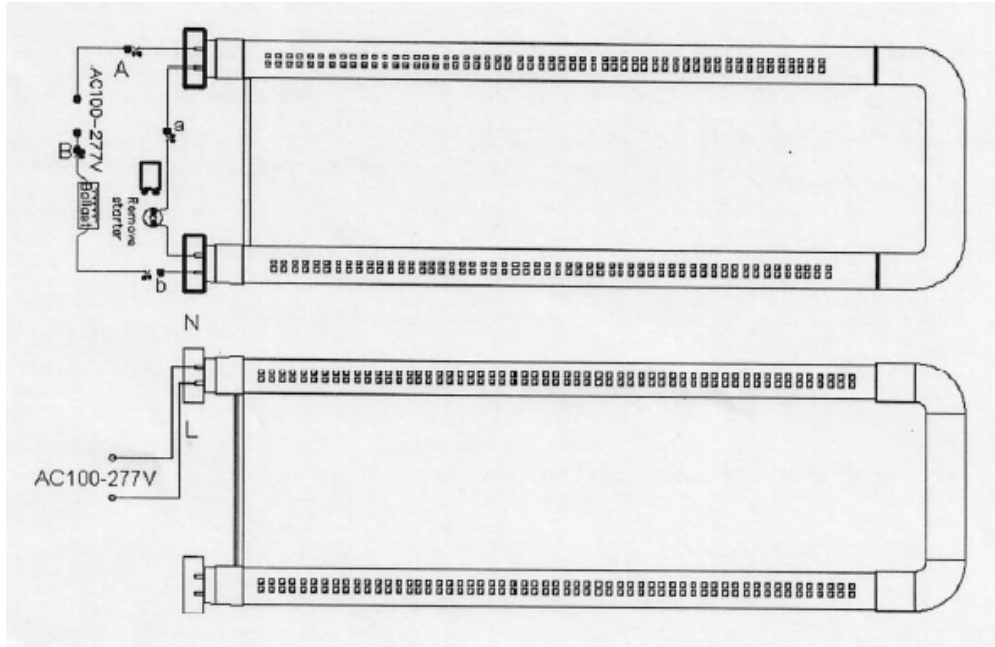
2. Installation procedure:

Step 1. Remove all of the wires, starter, ballast, and relating electrical components, etc, See Fig.2, Fig.3

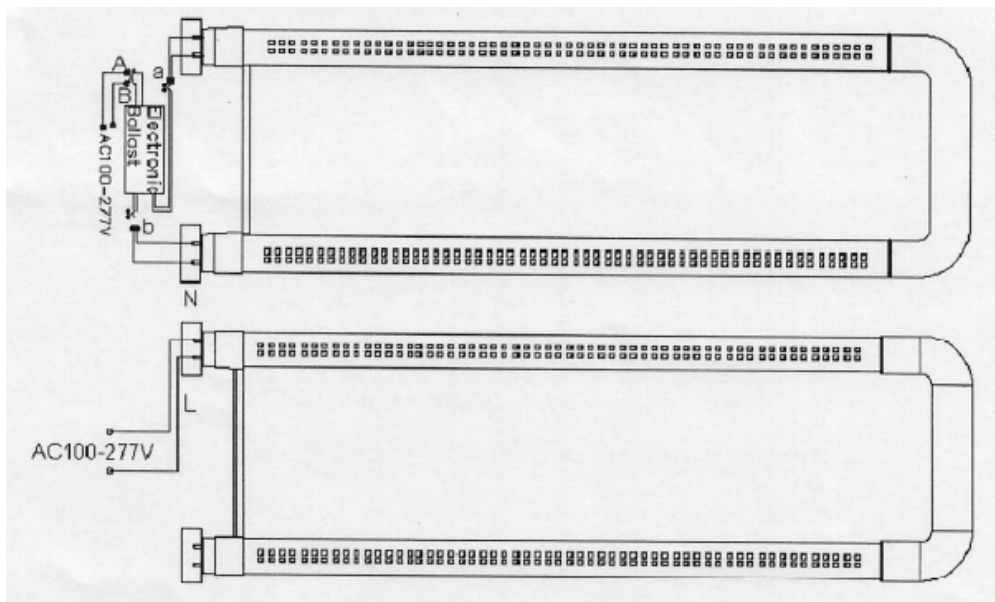
Step 2. According to the schematic wiring diagram, the L & N is connected to L & N of luminaires correspondingly (L-L, N-N connections). See Fig.2 and Fig.3.

3. Following are the installation of 3 different fixtures:

A. Luminaire with starter

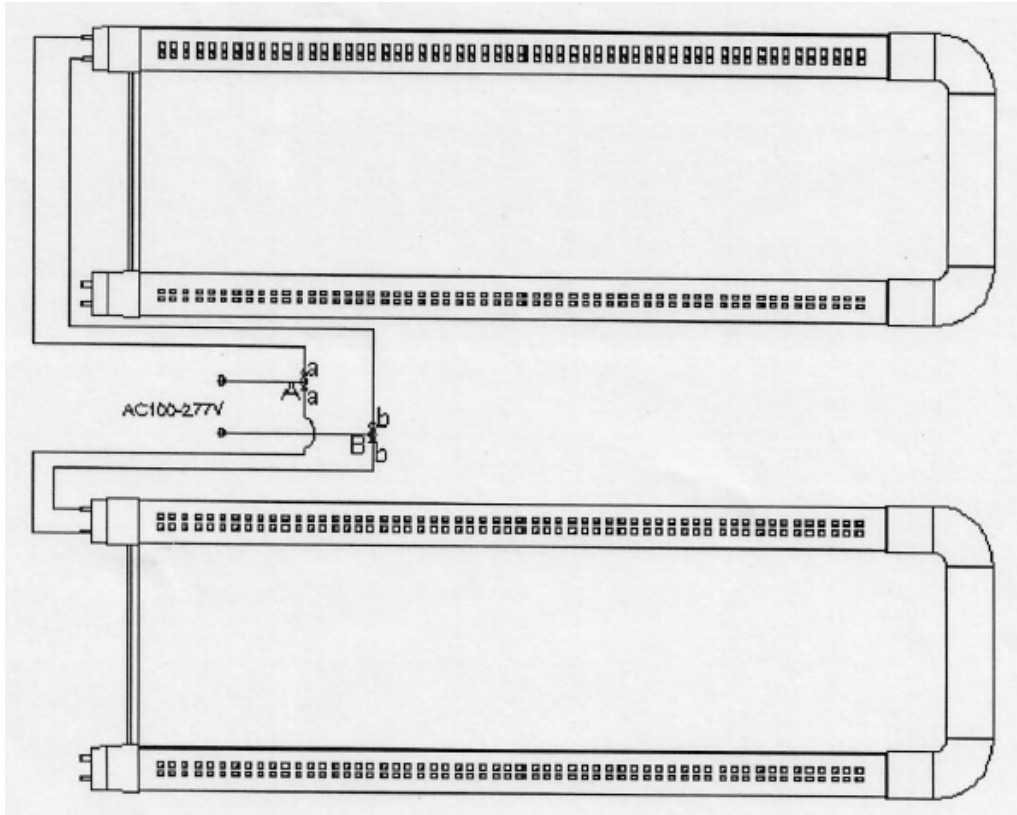


B. Luminaire with non-shunted electronic ballast:



C. These LED tubes can retrofit maximum two lamps in one luminaire. The revised circuit diagram as shown in Fig.4

Please see Fig.2-3 to cut wires and to connect wires as follows:



4 Applications

Replacement tube light can used in the office building, factories, shopping malls, schools, supermarkets, hotels, underground parking lots, subways, governmental projects etc.



Tel: +1-941-404-6437

Fax: 1-866-619-0925

www.exxonlighting.com

e-mail: sales@exxonlighting.com