

T8 TYPE A+B LED TUBE INSTALLATION GUIDE

LED-T8-DF-GL-4FT-15W • LED-T8-DF-GL-4FT-18W

ENSURE POWER SUPPLY IS OFF WHEN HANDLING ANY ELECTRICAL EQUIPMENT.

- Read and Understand the detailed Installation Instructions before installing the LED T8 Tube Light. LED T8 Tube Lights are designed to work with Electronic/Magnetic Ballasts (Check the Ballast Compatibility List) or AC Direct Wire. Works with Single-end (either side) and/or Double-end Power Input. Risk of Fire or Electric Shock. Read and Understand all Installation Instructions before installing LED T8 Tube Lights. Use in Dry or Damp locations only. Do not use where directly exposed to water or weather. Non-submersible (not water tight).
- Disable all Power to the Fixture before Inspection, Installation, or Removal. Failure to do so will create a Hazardous and Fatal Working Environment.
Do Not Make or Alter any Open Holes in an Enclosure of Wiring or Electrical Components during Installation.
- Do Not Open - No User Serviceable Parts inside.

MODEL	MINIMUM LAMP COMPARTMENT DIMENSIONS Length x Width x Height (IN.)
LED-T8-DF-GL-4FT-15W/LED-T8-DF-GL-4FT-18W	47.9 x 22.6 x 2.6

SAFETY WARNING

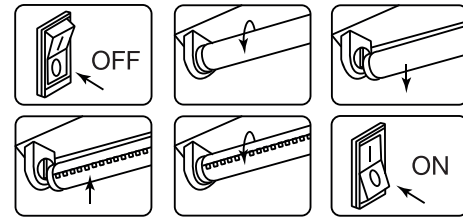
- a. Risk of Fire or Electric Shock. LED Retrofit Kit Installation requires knowledge of Luminaires Electrical Systems. If not Qualified, DO NOT attempt Installation. Contact a Qualified Electrician.
- b. Risk of Fire or Electric Shock. Install this Kit only in the Luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the Input Rating of the Retrofit Kit does not exceed the Input Rating of the Luminaire.
- c. DO NOT make or alter any open holes in an enclosure of Wiring or Electrical Components during Kit Installation
- d. To prevent Wiring Damage or Abrasion, DO NOT Expose Wiring to edges of Sheet Metal or other Sharp Objects.
- e. 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.
- f. For a Linear Tubular LED Lamp Conversion, there shall be text or a Diagram showing how the supply connections were made to the Lamp holders so the correct Connections will be made to the Lamp when the Lamp is Installed or Replaced.
- g. This Retrofit Kit is accepted as a component of a Luminaire where the suitability of the combination shall be determined by Authorities having JURISDICTION.

NOTE: If the tube is installed as Type B, the luminaire, once modified as a Retrofit Fixture, will no longer operate Fluorescent Lamps. Not suitable for use with dimmer.

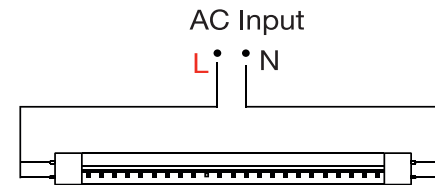
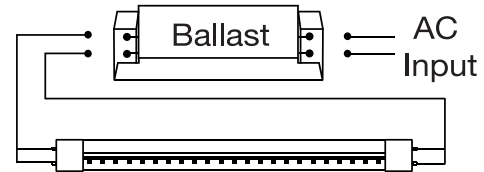
Type A Instructions

1. Switch-off power to the luminaire
2. Remove the diffuser (if provided).
3. Remove the existing fluorescent lamps from the luminaire.
4. Install the LED tube lamp
5. Install diffuser (if removed in step 2)
6. Switch on power to the luminaire.
7. Before installation, check specifications for the most current ballast compatibility list, If not compatible, insert LED tubes according to Type B installation instructions.

Type A Installation Guide

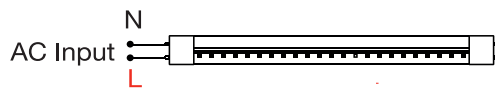


Type A Assembly Introduction



Type B Assembly Introduction

NOTE: The tube can work with either single-end power input or double-end power input.



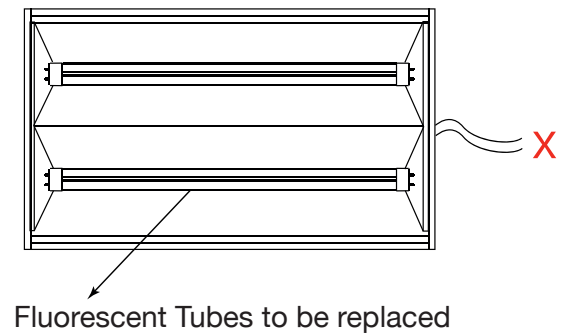
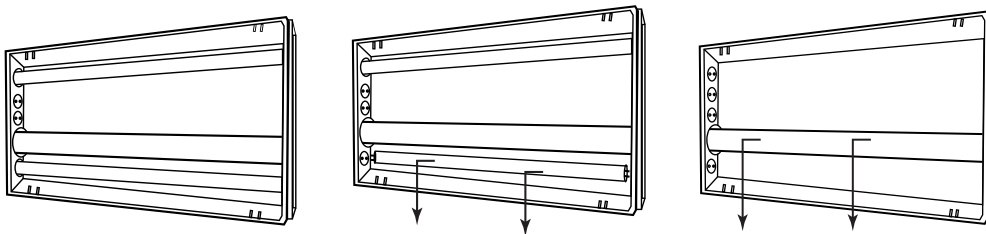
Instructions: Type B Installation Guide

1. DISCONNECT POWER TO LUMINAIRE

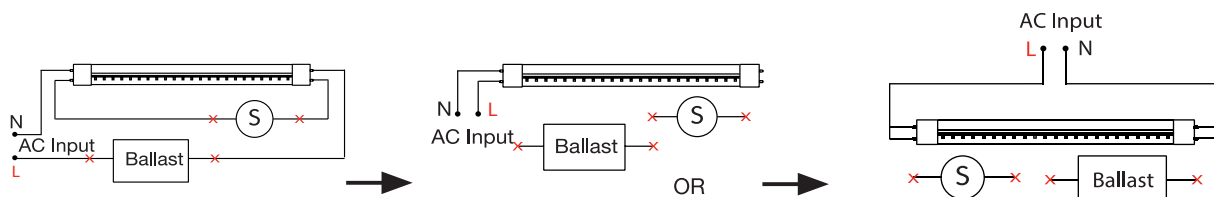
Disconnect power to luminaire or circuit (if possible). Ensure all power is OFF by using a voltmeter or other approved method to confirm.

2. REMOVE EXISTING TUBE LAMP(S)

- a. Remove troffer lens, if present.
- b. Remove existing fluorescent tube by rotating one-quarter turn and sliding lamp(s)
- c. Remove ballast cover. (Cover may be secured with screws or tabs).



3 a. RETROFIT LUMINAIRE - Retrofit Luminaire with Inductive Ballast

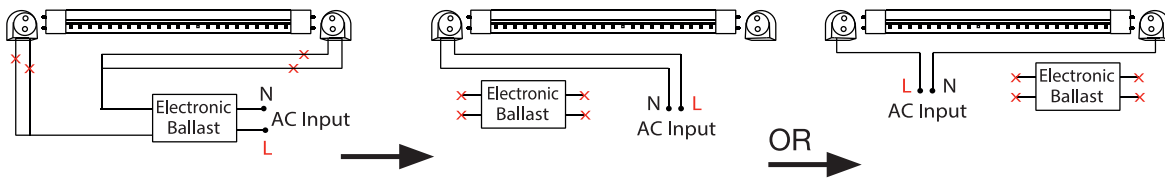


Disconnect the wires between starter and ballast according to the figure above,

Connect two wires to branch circuit L and N according to the figure above.

Disconnect the wires between starter and ballast according to the figure above.

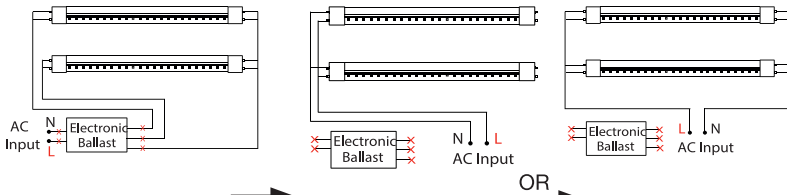
3 b. RETROFIT LUMINAIRE - Retrofit Luminaire with Electronic Ballast



Disconnect the wires between ballast according to the figure above.

Connect two wires to branch circuit L and N according to the figure above.

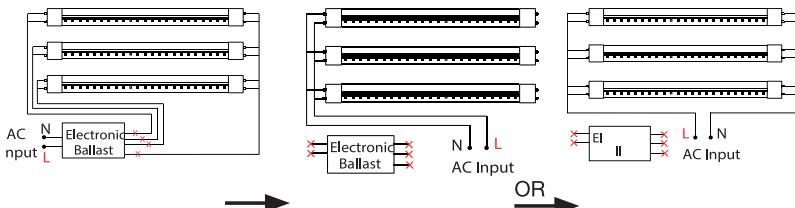
3 c. RETROFIT LUMINAIRE - Retrofit Luminaire with Two Lamps and One Electronic Ballast



Disconnect the wires between ballast according to the figure above.

Connect two wires to branch circuit L and N according to the figure above.

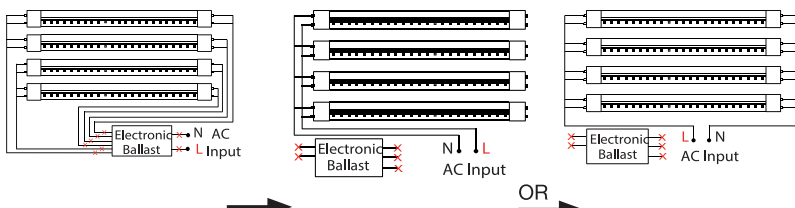
3 d. RETROFIT LUMINAIRE - Retrofit Luminaire with Three Lamps and One Electronic Ballast



Disconnect the wires between ballast according to the figure above.

Connect two wires to branch circuit L and N according to the figure above.

3 e. RETROFIT LUMINAIRE - Retrofit Luminaire with Four Lamps and One Electronic Ballast



Disconnect the wires between ballast according to the figure above.

Connect two wires to branch circuit L and N according to the figure above.

4. INSERT LED TUBES

- Ensure both the ends of the LED Tube are aligned with Socket, then insert LED Lamp in the normal way by sliding Pins into Sockets and rotating a quarter turn until the LED Tube locks in place.
- LED Lamps are now fully installed.
- Replace Troffer Lens, if present.
- After modification completed. Attach the Replacement Marking and Cautionary Label to a visible place on the Luminaire and keep it visible after installation.

5. RESTORE THE POWER OF LUMINAIRE

Restore power to Circuit/Luminaire and test light. If necessary, adjust position of LED tube, and enjoy your new LED tube!

SAFETY

- Do not cover the ground contact.
- Do not cover the luminaire, hang or fasten anything from it.
- Do not operate it any visible damage can be seen to the product.
- Do not operate if any water ingress has occurred.
- Do not operate if any smoke, steam or crackling noises can be heard from the luminaire.
- Do not operate it any signs of overheating are recognized.
- Avoid installation in any areas where there is a risk of strong mechanical loads.
- Do not place any material over the lens or LED diode/chip.
- Do not insert objects into the luminaire.
- Do not clean using any solvent based abrasive or aggressive product.
- Do not pull any cables connected to the product.
- Do not direct the luminaire into a persons eyes, as this unit may have an intense light output, which if incorrectly used may cause eye damage.
- Light engines/LED'S and other light sources may heat up, please take care when handling the products.
- The manufacturer will not be deemed liable or held responsible for any damages caused by faults or manufacturing defects that may be present in any of its products or the misuse or incorrect installation of this device. Please refer to our trouble shooting guide for further information.
- The manufacturer will not be held liable for any deaths) or injuries caused by misuse or poor installation or any unreported faults of this product version or versions thereof.
- LED's are sensitive to electrostatic discharge. Do not touch the surface of the LED module.
- Do not connect to a temporary electricity supply, this may damage the electronics.
- Light fittings with an integrated emergency option are with a separate installation and wiring leaflet. Please refer to this manual for further details. If the manual is unavailable please contact a EnVision LED Lighting representative for assistance.
- REPLACE DAMAGED PRODUCT IMMEDIATELY.
- Keep away from children.

RETURNS & FAULTY ITEMS

- If any problem is encountered during or after installation, please call EnVision LED Lighting technical department to get the problem resolved ASAP.
- Please do not just return the item to the outlet you purchased it from, as you are only entitled to a replacement or refund after the unit has undergone testing and the unit has been confirmed as having a manufacturing defect/fault. Your statutory rights are not affected.
- The manufacturer will not be deemed liable or held responsible for any damages caused by faults or manufacturing defects that may be present in any of its products or the misuse or incorrect installation of this device.
- All installations must be carried out in accordance with this installation guide and user manual.
- All goods are supplied under the terms and conditions of EnVision LED Lighting, a copy of which may be obtained upon written request.