

## Installation Instructions for LED Emergency Tube



### **ENSURE POWER SUPPLY IS OFF WHEN HANDLING ANY ELECTRICAL EQUIPMENT**

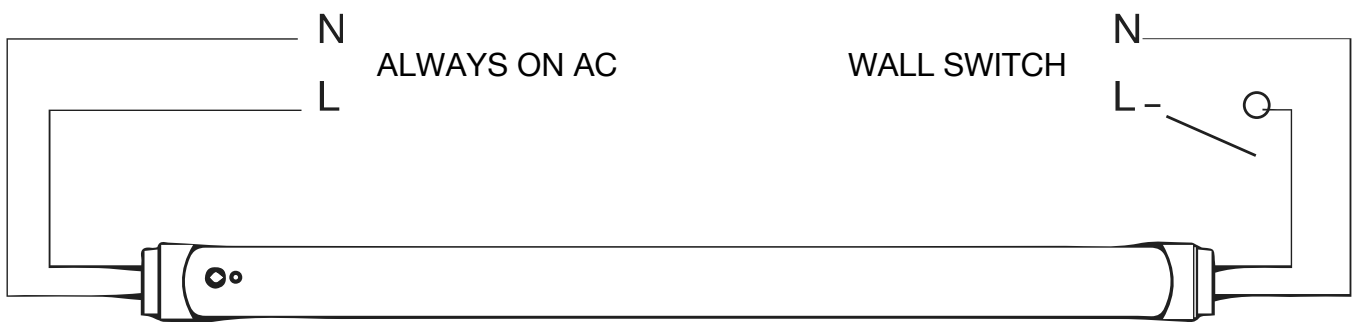
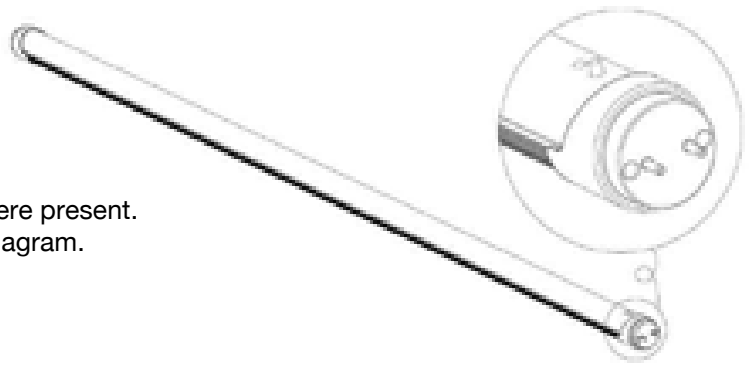
1. After unpacking check that the products are in good condition. If there is any problem, call customer support.
2. For Indoor use only.
3. Switch off the power supply when installing or changing the tube.
4. Not compatible with the Traditional fluorescent ballast.
5. Please modify the circuit according to the wiring diagram.
6. For use in the voltage range stated over, and frequency 50/60Hz.
7. Not for use with DC power.
8. Recommended working temperature: 0~45°C, for longevity.
9. Not for use with dimmer.
10. When not in use store in cool, dry and clean environment.
11. Installation should be carried out by a relevantly qualified electrician or technician.

### **SAFETY WARNING**

1. Risk of fire or electric shock. LED Reflector kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
2. Risk of fire or electric shock. Install this kit only in 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.
3. Risk of fire. Do not use with ballast.
4. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
5. To avoid potential fire or shock hazard, do not use 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 lamps with which the ballast is intended to be used, for example F4012/IS. For more information, contact the LED luminaire retrofit kit manufacturer.
6. 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.
7. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
8. 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.
9. This device is not intended for use with emergency exits.
10. Examine all parts that are not intended to be replaced by the retrofit kit for damage and replace any damaged parts prior to installation of the retrofit kit

### Installation Instructions

- Step 1: Turn off the power, and take out the old fluorescent tubes.
- Step 2: Isolate the ballast and remove starter where present.
- Step 3: Connect the wiring as the follow wiring diagram.
- Step 4: Install the Emergency LED tube.
- Step 5: Turn on the switch and install finish.



LED Tube Wiring Schematic

### Function

- Combine emergency function and general lighting function together
  - (1) When The city power is working well. The tube can work as general lighting, and turn on/off controlled by the wall switch.
  - (2) When the city power is shut down suddenly. Whatever the tube is in turn on/off status, the emergency status will be automatically be activated, and provide 90 minutes emergency lighting.
  - Self-test function, self test monthly and yearly, if the emergency function is abnormal, the indicator light will blink.
  - Automatic charging function, The indicator light shows charging status and full charge status.
  - Battery transportation protection function.
- Press the test button three times quickly, the battery will go into hibernation, and standby 8000 hrs before installation.



**This product is guaranteed against failure due to factory defects in materials or workmanship for three (3) years from the date of purchase. This warranty is non-transferable and applies only to the original owner. Proof of purchase is required for repair or replacement. This warranty does not cover normal wear of parts or damage resulting from any misuse of the product.**

**Misuse of the product includes, but is not limited to: washing the product, using in extreme weather conditions, opening the product, or trying to remodel the product.**

**Important: this warranty is only valid if the product has been purchased through an authorized reseller.**

## **SAFETY:**

- Do not cover the ground contact.
- Do not cover the luminaire, hang or fasten anything from it.
- Do not operate if 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 if any signs of overheating are recognised.
- 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 an Envision representative for assistance.
- REPLACE DAMAGED PRODUCT IMMEDIATELY.
- Keep away from children.

## **RETURNS AND FAULTY ITEMS:**

- If any problem is encountered during or after installation, please call Envision 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, a copy of which may be obtained upon written request.