



## Operation Instruction - Dual Mode (Direct replacement & By pass)

LED T8 Tube Dual Mode Series

Input Voltage: Determined by fluorescent ballast (Direct Replacement Mode)  
 120-277 VAC 50/60 Hz (By Pass Mode)

### 1. Features:

- UL Certified
- Full Glass Housing: No Aging, Yellowing, or Bending
- Two operation models:
  - Direct Replacement Mode (Mode I) Plug-n-Play replacement. Compatible with instant start electronic ballast
  - By Pass Mode (Mode II)
 Direct connect with the mains: 120-277VAC 50/60Hz (universal voltage input)

### 2. Product Applications:

Widely used in residential buildings, offices, shopping malls, supermarkets, hospitals, assembly lines, warehouses, etc. for Energy saving illumination.

### 3. Installation Instructions:

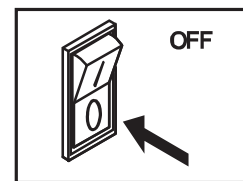
Please completely comply with these instructions and notes, to ensure that the product is operated in a safe condition.

#### ⚠ Safety Precautions:

**For your and other's safety, please read the precaution carefully before installation:  
 For Direct Replacement Mode (Mode I)**

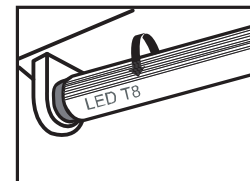
- 1.) WARNING: Risk of shock. Disconnect power before installation.
- 2.) LED T8 lamp for use only with products described and installed in accordance with product specifications.  
 LED T8 lamp to be operated with fluorescent electronic ballast.
- 3.) WARNING: RISK OF FIRE, USE ONLY IN PLACE OF FLUORESCENT LAMPS SPECIFIED ON LABEL.  
 RISK OF ELECTRIC SHOCK, SUITABLE FOR DAMP LOCATIONS.

1.) Turn Power OFF



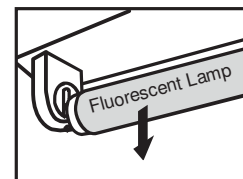
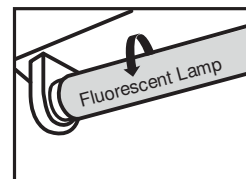
5.) Rotate LED lamp until lamp locks in place. Ensure that the LED lamp front points away from the back of the luminaire.

*Note: Install LED T8 replacement lamp for each fluorescent lamp removed.*



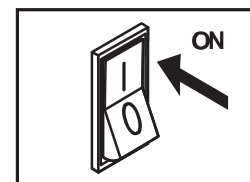
2.) Remove lens or diffuser. (If applicable)

3.) Remove existing fluorescent lamps from the luminaire.

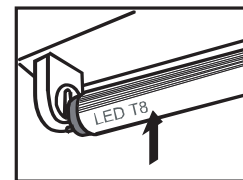


6.) Place lens or diffuser back in place (if applicable)

7.) Switch power ON.

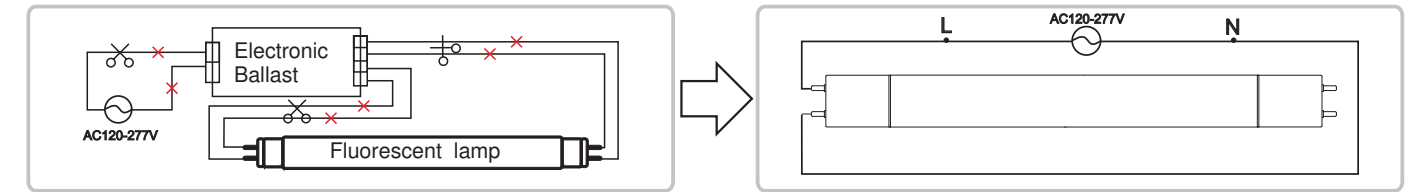


4.) Bring LED lamp to luminaire and insert lamp pins into luminaire lamp holders.

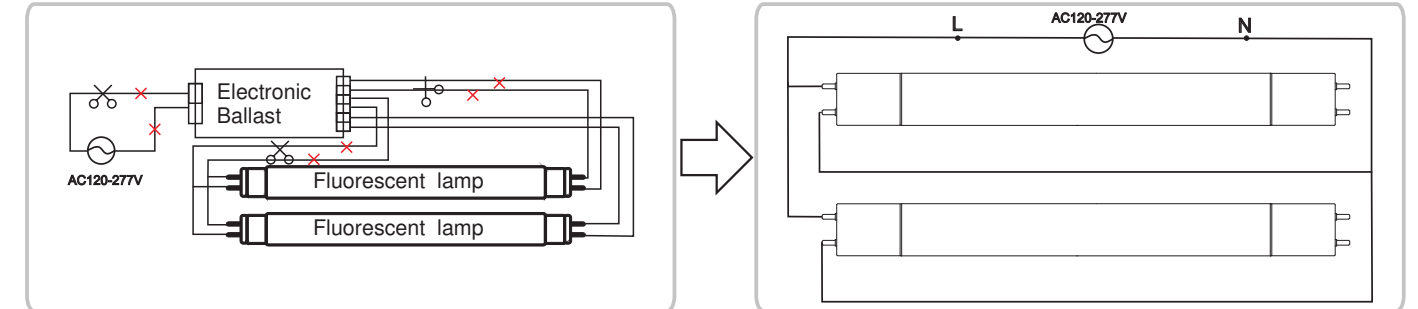


## BY PASS Mode (Mode II) Wiring Instruction - Electronic Ballast

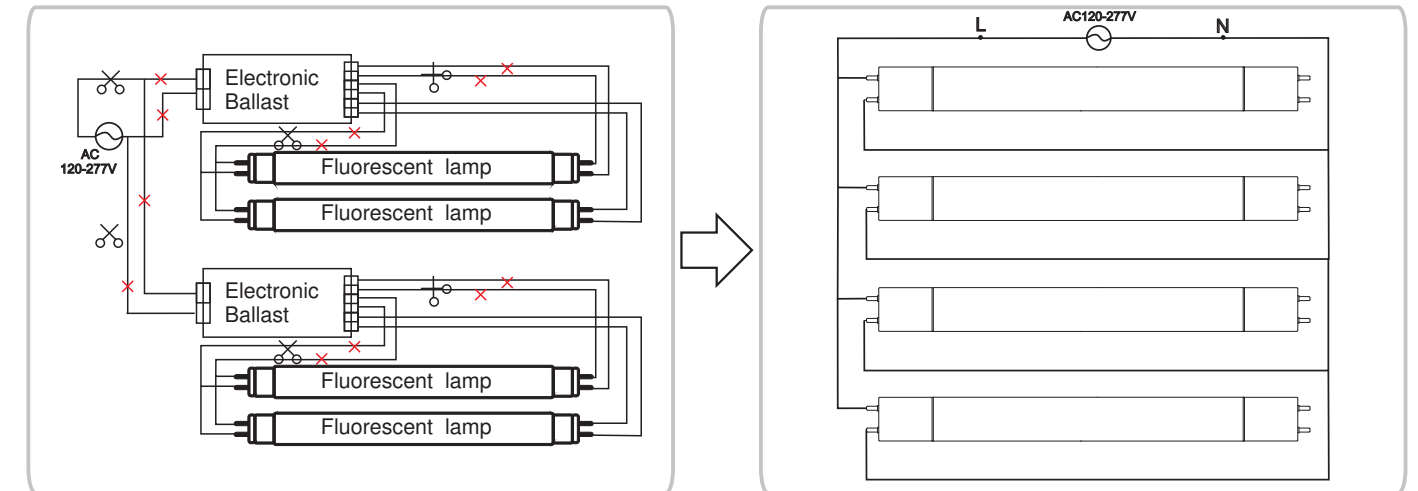
### retrofit luminaire with 1 lamp



### retrofit luminaire with 2 lamp

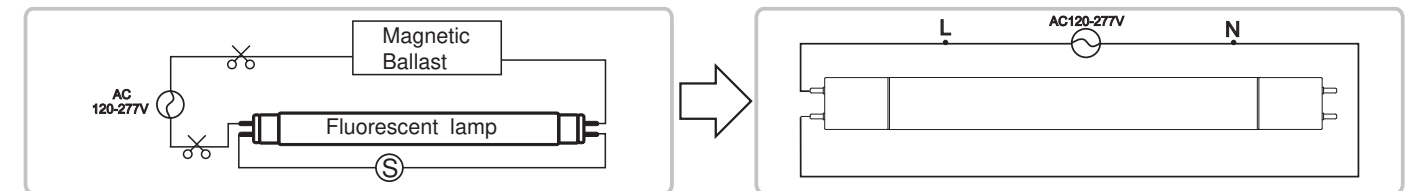


### retrofit luminaire with 4 lamp



## Wiring Instruction - Magnetic Ballast

### Retrofit luminaire Magnetic Ballast



#### CAUTIONS:

- 1.) Make sure the socket is un-shunted for L,N input terminal. (As shown.)
- 2.) The terminal with label shown below indicates that this terminal should be connected with mains.

