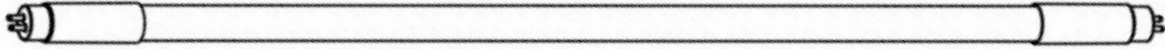




## T5 LED TUBE INSTALLATION GUIDE

LED LINEAR T5-DIRECT (TYPE A+B)  
MODEL #: RP-TOTALTUBE-T5-XFT-8XX-G4



### NOTE

1. Risk of fire or electric shock. When operating with electronic ballast please check the compatible list first! If the ballast is not on the list then please bypass the ballast, or please contact us! Do not install the LED tube with a ballast which not on the ballast compatible list, risk of fire!
2. If the tube is installed as Type B, the luminaire once modified as a retrofit fixture will no longer operate fluorescent lamps.
3. LED T5 tube lights are designed to work with electronic ballasts or work with AC direct wire double-end power input.
4. Do not use where directly exposed to water or weather. Non-submergible (not water tight).
5. Use in dry or damp locations only.
6. Disable all power to the fixture before inspection, installation, or removal. Failure to do so will create a hazardous
7. Do not open – No user serviceable parts inside.

### WARNING

1. Risk of fire or electric shock. When work with electronic ballast please check the compatible list first! If you do not find your ballast on the list then please bypass the fixture, or please contact us! Do not install the LED tube with the ballast which not on the ballast compatible list, risk of firing!
2. 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.
3. 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.
4. DO NOT make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
5. To prevent wiring damage or abrasion, DO NOT expose wiring to edges of sheet metal or other sharp objects.
6. 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.
7. 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.
8. This retrofit kit accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having jurisdiction.

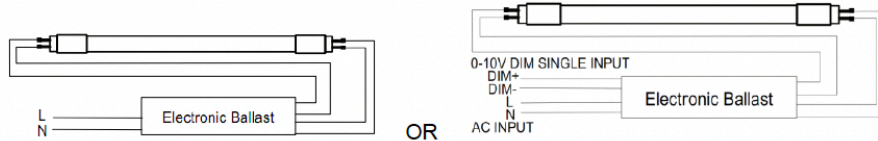
PIN-BASED



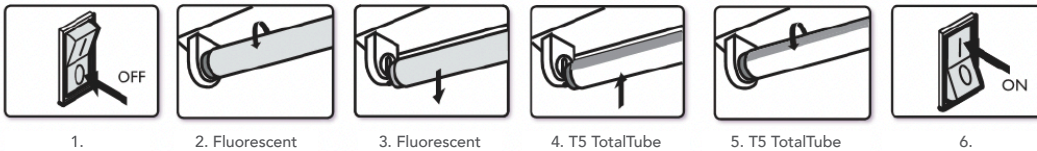
## T5 LED TUBE INSTALLATION GUIDE

LED LINEAR T5-DIRECT (TYPE A+B)  
MODEL #: RP-TOTALTUBE-T5-XFT-8XX-G4

### TYPE A - Assembly Introduction:



### Type A installation (Plug and Play – Using compatible ballast)



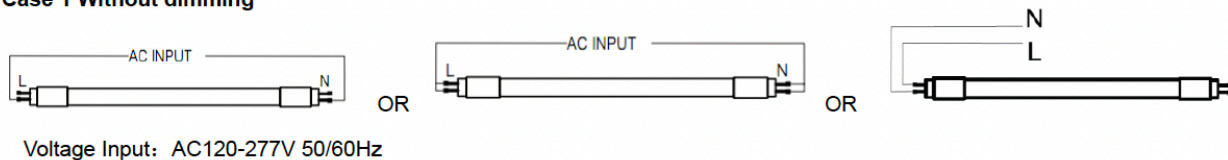
### Instructions:

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

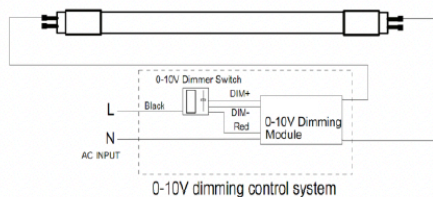
### TYPE B - Assembly Introduction:

Note: The tube can work with double-end and single-end power input

#### Case 1 Without dimming



#### Case 2 With dimming



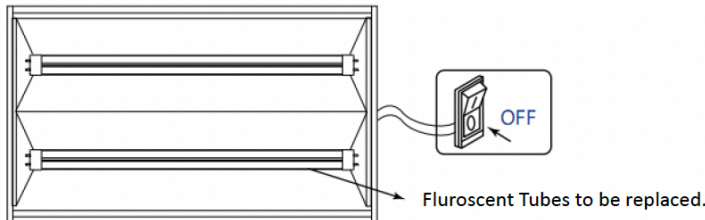


## T5 LED TUBE INSTALLATION GUIDE

LED LINEAR T5-DIRECT (TYPE A+B)  
MODEL #: RP-TOTALTUBE-T5-XFT-8XX-G4

### Type B Installation Guide:

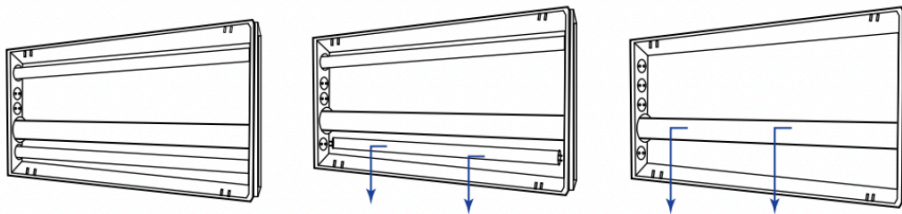
#### 1. DISCONNECT POWER TO LUMINAIRE



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

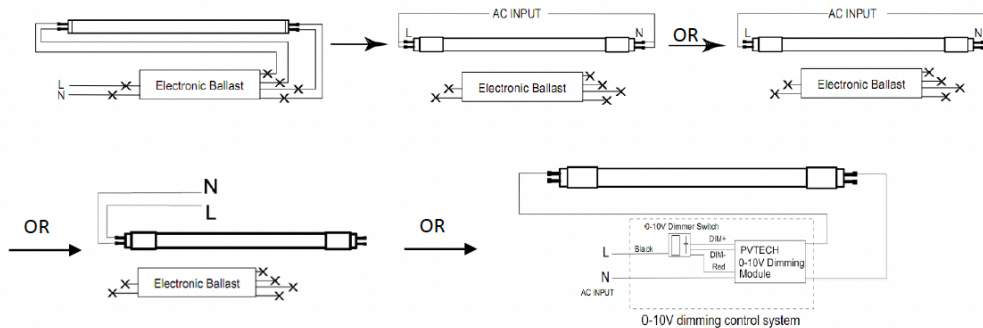
#### 2. REMOVE EXISTING TUBE LAMP(S)

- 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

Disconnect the wires between ballast according to the figure below.



#### 4. INSERT LED TUBES

- a. 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.
- b. LED lamps are now fully installed.
- c. Replace troffer lens, if present.
- d. 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!