



## 4 FT TYPE B LED T8 TUBE – DOUBLE ENDED

### WARNING, CAUTION, SAFETY AND INSTALLATION INSTRUCTIONS

#### WARNING

- Installation, service, and maintenance of luminaires should be performed by a qualified licensed electrician.
- Read instructions carefully before attempting to install in fixture.
- Before installation, examine all parts that are not intended to be replaced by the lamp, and replace any damaged parts prior to installation.

#### CAUTION

- Do not install this lamp in a pre-heat luminaire.
- Do not use where directly exposed to water or weather. Non-submergible (not watertight).
- Do not open – No user serviceable parts inside.
- This device is not intended for use with emergency exits.
- If the lamp or luminaire exhibits undesirable operation (buzzing, flickering, etc.) immediately turn off the power, remove the lamp from the luminaire, and contact the manufacturer.
- Install this lamp only in luminaires that have the construction features and dimensions that allow the lamp to properly fit in the luminaire and where the input rating of the lamp does not exceed the input rating of the luminaire.
- Do not make or alter any open holes in the wiring enclosure or electrical components during installation.
- Installation does not require disconnecting existing wires from the lamp holder terminals to make new connection at the lamp holder terminals. Instead, proper installation involves cutting the existing lamp holder leads away from the lamp holder and making new electrical connections to the lamp holder lead wires by employing applicable connectors.
- In this Type B (ballast bypass) installation, the luminaire will no longer operate fluorescent lamps after the removal of the electronic ballast.
- This lamp is accepted as a component of a luminaire where the suitability of the combination shall be determined by Authorities Having Jurisdiction (AHJ). This installation guide does not supersede local or national regulations for electrical installers.
- Minimum lamp compartment dimensions:

Model	Minimum Lamp Compartment Dimensions (L x W x H)	Maximum # of Lamps	Spacing between tube lamps, center to center
PLTP3523 PLTP3524 PLTP3525	47.9" x 22.6" x 2.6" 1219mm x 573mm x 65mm	4	2.52" 64mm

#### NOTICE

- For use in dry or damp locations.
- Suitable for totally enclosed recessed fixtures.

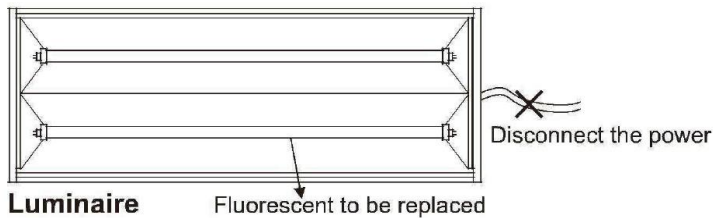


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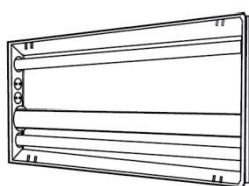
### WARNING, CAUTION, SAFETY AND INSTALLATION INSTRUCTIONS

## Installation Instructions

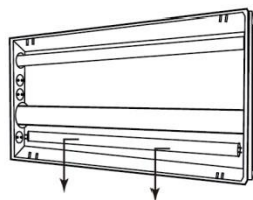
1. Disconnect power to the luminaire
  - Disconnect power to the luminaire or circuit (if possible). Ensure all power is off by using a voltmeter or other method to confirm.



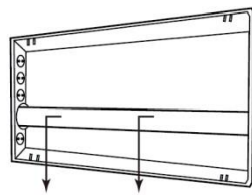
2. Remove the existing tube lamp(s)
  - a. Remove the troffer lens, if present.
  - b. Remove the existing fluorescent(s) by rotating the tubes one-quarter turn and sliding out.
  - c. Remove the ballast cover. Cover may be secured with screws or tab.



a) Troffer and lamps



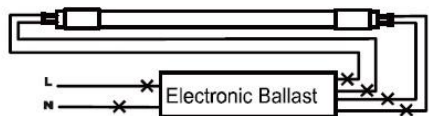
b) Remove tube lamps



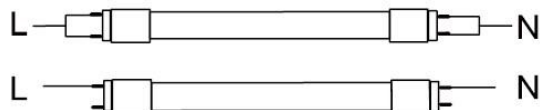
c) Remove ballast cover  
(Cover may be secured with screws or tab)

3. Retrofit the luminaire
  - a. Modify the circuit according to the wiring diagram below.

Double-ended power input



Input voltage: 120-277V 50/60/Hz



Double Ended Input(Type B)

- b. Reattach the ballast cover.
4. Insert the LED tubes
    - a. The LED lamps are now fully installed.
    - b. Attach the provided Cautionary label to a location that remains visible during routine maintenance or relamping.
    - c. Replace the troffer lens, if present.
  5. Restore power to the luminaire
    - Return power to the luminaire and inspect the lamp for proper operation.

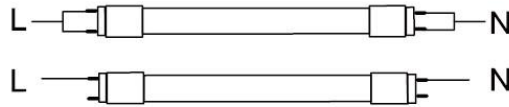


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## Wiring Diagram

Double-ended power input



Double Ended Input(Type B)

Input voltage: 120-277V 50/60/Hz

## ⚠ WARNING

- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- To reduce the risk of death, personal injury, or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards, read all warnings and instructions included with and on the fixture box and all fixture labels.
- Proper grounding is required to ensure safety.
- Power must be turned off at the breaker before installation or maintenance.
- 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.
- Wear gloves and eye protection at all times while installing, servicing, or performing maintenance on the luminaire, and avoid direct eye exposure to the light source while it is on.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not install damaged product. Inspect luminaire for damage that may have occurred during transit. If damaged, contact the manufacturer immediately.
- These instructions do not purport to cover all details or variations in equipment nor to provide every possible contingency to meet in connection with installation, operation, or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's or owner's purposes, contact the manufacturer.

## ⚠ ADVERTENCIA

- Antes de instalar, reparar o realizar el mantenimiento de rutina de este equipo, siga estas precauciones generales.
- Para reducir el riesgo de muerte, lesiones personales o daños a la propiedad por fuego, descarga eléctrica, caída de piezas, cortes / abrasiones y otros peligros, lea todas las advertencias y instrucciones incluidas con y en la caja del dispositivo y todas las etiquetas del dispositivo.
- Se requiere una conexión a tierra adecuada para garantizar la seguridad.
- Se debe apagar la energía en el disyuntor antes de la instalación o el mantenimiento.
- Este producto debe ser instalado de acuerdo con el código de instalación aplicable por una persona familiarizada con la construcción y operación del producto y los peligros involucrados.



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- Utilice guantes y protección para los ojos en todo momento durante la instalación, el servicio o el mantenimiento de la luminaria, y evite la exposición directa de los ojos a la fuente de luz mientras está encendida.
- Para evitar daños o abrasiones en el cableado, no exponga el cableado a bordes de láminas de metal u otros objetos afilados.
- No instale un producto dañado. Inspeccione la luminaria en busca de daños que puedan haber ocurrido durante el tránsito. Si está dañado, comuníquese con el fabricante de inmediato.
- Estas instrucciones no pretenden cubrir todos los detalles o variaciones en el equipo ni proporcionar todas las posibles contingencias a cumplir en relación con la instalación, operación o mantenimiento. Si desea obtener más información o si surgen problemas particulares que no están suficientemente cubiertos para los propósitos del comprador o propietario, comuníquese con el fabricante.