

Project Name:	Notes:	Date:	Type:
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Portor's 4' T8 Bypass (B) tube is designed to work without traditional electrical ballasts. Our Bypass tubes are constructed to be single-ended or double-ended, so customers don't need to worry about existing wiring schemes.

Available in 4' and featuring color selectable technology that lets the user choose between 3000K, 3500K, 4000K, 5000K, or 6500K.

Ideal use for office spaces, warehouses, hotels, restaurants, and schools.

**BYPASS**



**CONSTRUCTION**

High-quality glass lens diffuser with PET coating (shatter-proof).  
100% Mercury Free and 100% Lead Free.

**ELECTRICAL**

Type B—(ballast removal) AC line input. Luminaire is built with the highest quality 120- 277VAC internal drivers.

**RETROFIT EASILY**

Bypass the ballast with Portor's 4' LED T8 tube, able to work with both single- ended and double ended wiring systems. Produces uniform light output that is consistent from end-to-end.

**DIMMING**

Dimmable, 0-10V dimming.

**LISTING**

UL Listed, DLC Listed, NSF, FCC, RoHS

WATTAGE	DELIVERED LUMENS	EFFICACY
18W	2150 (@ 3000K/3500K)	119 lm/W
	2200 (@ 4000K)	122 lm/W
	2250 (@ 5000K/6500K)	125 lm/W

**TECHNICAL SPECIFICATION**

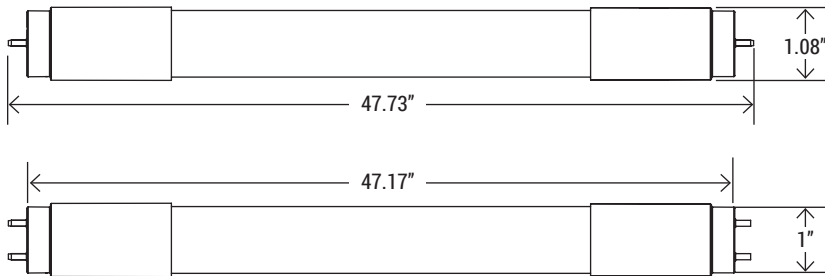
WATTAGE	18W
VOLTAGE	120V-277V, 50/60 Hz
END CAP	G13
CCT	3000K/3500K/4000K/5000K/6500K
CRI	82
BEAM ANGLE/BEAM SPREAD	200°/320°
LENS TYPE	Glass Lens/Frosted
WORKING TEMP.	-4°F ~ 113°F
STORAGE TEMP.	-4°F ~ 140°F
IP RATING	IP40 Suitable for damp locations
DIMMABLE	0-10V dimming
POWER FACTOR	>0.9
LIFETIME	50,000 hours
WARRANTY	5 year limited



MODEL#	WATTS	LUMENS	LM/WATT	CCT
PT-T8-4FB-18W-5CCT	18W	2250 @ 5000K	up to 125 lm/W	5CCT (30K/35K/40K/50K/65K)

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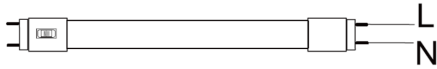
#### DIMENSION



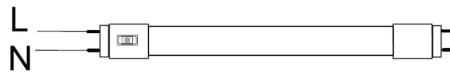
**WIRING DIAGRAM:** Connect two wires to branch circuit L and N according to the below figure.

Case 1: Direct AC wiring diagram without dimming

1. Single-ended power input

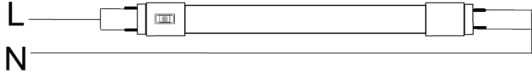


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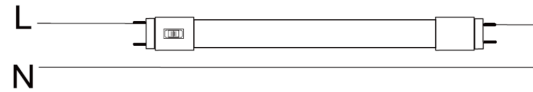


Input voltage: 120-277V 50/60Hz

2. Double-ended power input

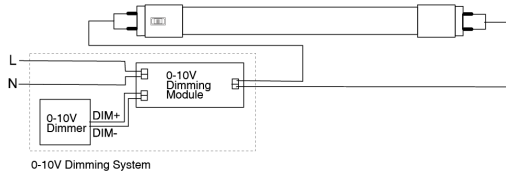


or



Input voltage: 120-277V 50/60Hz

Case 2: Direct AC wiring diagram with 0-10V dimming system



Input voltage: 120-277V 50/60Hz

#### IMPORTANT NOTE:

- For single-ended wiring installation of tubes, un-shunted lamp holders must be used.
- For double-ended wiring installation, it is not needed to change the sockets/lamp holders (if they are in good condition) regardless of the type of sockets.

#### INSTALLATION GUIDE:

Instructions

- DISCONNECT POWER OF LUMINAIRE
- REMOVE EXISTING TUBE LAMP(S)
  - Remove troffer lens, if present.
  - Remove existing fluorescent by rotating one quarter turn and sliding lamp(s)
  - Remove ballast cover. (Cover may be secured with screws or tabs)
- RETROFIT LUMINAIRE
 

Modify the circuit according to the TYPE B wiring diagram.
- Install the LED tube lamp.
  - Read label on the LED tube to ensure the power end of LED is aligned with powered tube socket, then insert LED lamp in the normal way by sliding pins into sockets and rotating a quarter turn until 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. Be sure to mark the type of wiring on the luminaire label (single or double-ended).
- 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 light!