

Project Name:	Notes:	Date:	Type:
---------------	--------	-------	-------

Portor's 4' T8 Hybrid (A+B) tube is designed to work with or without traditional electrical ballasts. Our Hybrid 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 4000K, 5000K, or 6500K.

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

**HYBRID**



**CONSTRUCTION**

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

**ELECTRICAL**

Hybrid Type A (with ballast) + Type B (ballast removal) AC line input.  
Luminaire is built with the highest quality 120- 277V internal drivers.

**RETROFIT EASILY**

Plug-n-play or by-pass the ballast with our easy 4' LED T8 tube retrofit. Our Hybrid produces uniform light output that is consistent from end-to-end.  
Direct replacement of 32W-T8 4ft fluorescent lamp.

**DIMMING**

Dimmable, 0-10V dimming.

**LISTING**

UL Listed, DLC Listed, NSF, FCC, RoHS

WATTAGE	DELIVERED LUMENS	EFFICACY
18W	2300 @ 4000K	127 lm/W
	2300 @ 5000K	127 lm/W
	2350 @ 6500K	130 lm/W

**TECHNICAL SPECIFICATION**

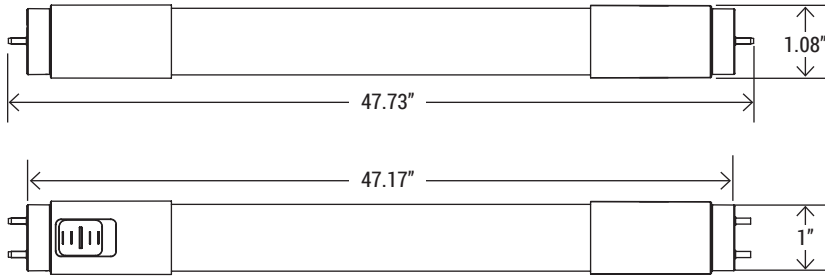
WATTAGE	18W
VOLTAGE	120V-277V, 50/60 Hz
END CAP	G13
CCT	4000K/5000K/6500K
CRI	82
BEAM ANGLE/BEAM SPREAD	197°
LENS TYPE	Glass Lens/Frosted
WORKING TEMP.	-4°F ~ 113°F
STORAGE TEMP.	-4°F ~ 140°F
IP RATING	IP40 Suitable for damp locations
DIMMABLE	0-10V dimming
POWER FACTOR	>0.9
LIFETIME	50,000 hours
WARRANTY	5 year limited



MODEL#	WATTS	LUMENS	LM/WATT	CCT
PT-T8-4FAB-18W-3CCT	18W	up to 2350	up to 130 lm/W	3CCT (4000K/5000K/6500K)

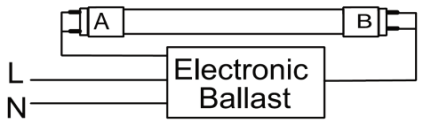
Project Name:	Notes:	Date:	Type:
---------------	--------	-------	-------

## DIMENSION



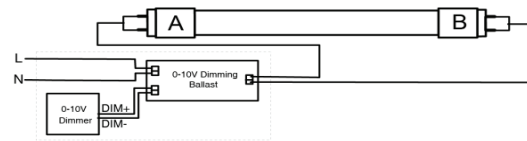
## INSTALLATION DIAGRAM

**TYPE A** (Ballast compatible) - Assembly introduction:



Ballast compatible(Type A)

OR



Input Voltage: Base on the ballast

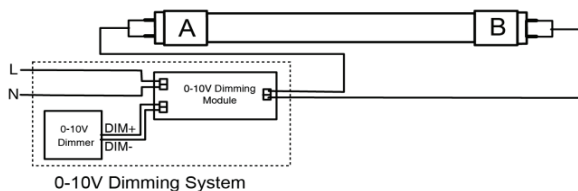
**TYPE B** (AC directly, double end or single end ballast bypass) - Assembly introduction:

Case 1: Direct AC wiring diagram without dimming



Voltage Input AC120-277V 50/60Hz

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



1. Switch off power
2. Remove fluorescent tube
3. Follow wiring instructions
4. Install LED tube
5. Switch on power

Voltage Input AC120-277V 50/60Hz