

Project Name:	Notes:	Date:	Type:
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**HYBRID**

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.

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



**DLC 5.1**

**CONSTRUCTION**

High-quality plastic lens diffuser with aluminum backing.  
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**

0-10V dimmable.

**LISTING**

UL Listed, DLC Listed, FCC, RoHS

WATTAGE	DELIVERED LUMENS	EFFICACY
18W	2300 @ 5000K	127 lm/W

**TECHNICAL SPECIFICATION**

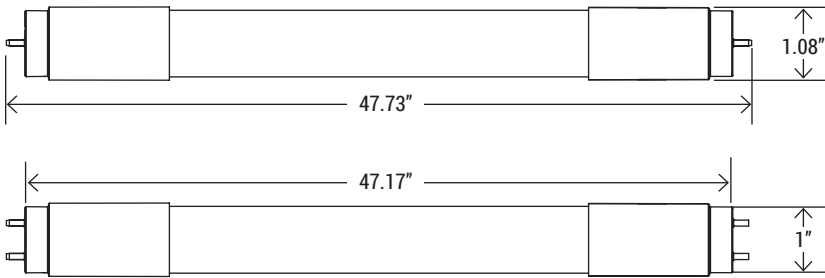
WATTAGE	18W
VOLTAGE	120V-277V, 50/60 Hz
END CAP	G13
CCT	5000K
CRI	82
BEAM ANGLE/BEAM SPREAD	132°
LENS TYPE	PC Lens/Frosted
WORKING TEMP.	-4°F ~ 113°F
STORAGE TEMP.	-4°F ~ 140°F
IP RATING	IP40 Suitable for damp locations
DIMMABLE	0-10V dimmable
POWER FACTOR	>0.9
LIFETIME	50,000 hours
WARRANTY	5 year limited



MODEL#	WATTS	LUMENS	LM/WATT	CCT
<b>PT-T8-4FAB2-18W-50K-F</b>	18W	2300	127 lm/W	<b>50K (5000K)</b>

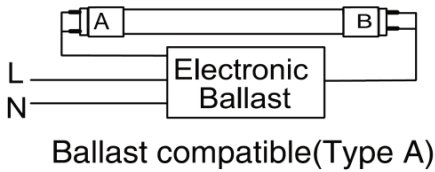
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**DIMENSION**

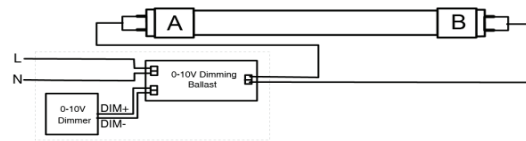


**INSTALLATION DIAGRAM**

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



OR



**Input Voltage: Base on the ballast**

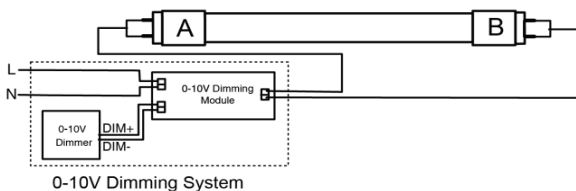
**TYPE B (AC directly, double end or single end ballast bypass) - Assembly introduction:**

**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**