



DATA SHEET: PLUG & PLAY

The Plug and Play ONLY Patriot Tube T8/T12 LED tube achieving UL, ETL which can work with most T8/T12 Electronic and magnetic start ballast. Proudly assembled in USA. Buy American Act (BAA) Compliant. This Tube can ONLY work with ballast. So, it is a fantastic direct replacement tube as well as retrofit kit. Compatible with the majority of the electronic & magnetic ballasts in North American market.

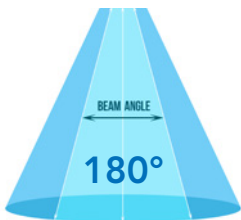
Our Plug and Play LED tubes are ballast ready for easy installation and are backed with our industry-leading 100,000-hour rated lamp life and 10-year warranty. See Ordering Model table below for our BAA compliant products. Contact us for pricing or more information.

PRODUCT BENEFITS

- Efficiency greater than 120 LPW
- Power Factor: More than 0.99
- CRI: Minimum 80
- Limited Warranty*: 5 years (10yr optional)
- Input Frequency: 50/60Hz
- Input Voltage can be AC 100-277V, AC347 with ballast.
- No UV emission.
- Suitable for dry and damp environments.
- T8 housing available. Works with shunted or non-shunted lamp holders.
- DLC, UL and ETL Listed.
- Glass-free for use in food areas and refrigerated food displays.

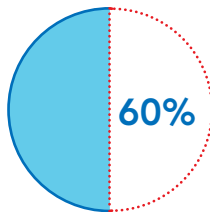


BEAM ANGLE



Patriot LED Light Distribution

CAN DECREASE ENERGY USAGE BY



vs. Similar Fluorescent Lamps

WARRANTY



Our Industry-Leading 10-Year Limited Warranty Guarantees Unsurpassed Quality

APPLICATIONS

- Office
- Healthcare
- Commercial
- Industrial
- Airport
- Conference Room
- Education
- Government
- Showroom
- Hotel

ORDERING MODEL

PATRIOT TUBE	TUBE TYPE	INTERNAL DRIVER	LENGTH	WATTAGE	INPUT TYPE	CCT
PT	T8	IL	T2= 2FT T3= 3FT T4= 4FT	10W	PP	3500K 4000K 5000K
				12W		
				14W		
				15W		
				16W		
18W						
Product Code: example						
PT -T8ILT2 -12W -PP						





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PRODUCT SPECIFICATION

Product No.	BAA/TAA Option	Color	Rated Lamp Wattage	Lens	AVERAGE SYSTEM WATTS (W)			AVERAGE SYSTEM LUMENS			Rated Life (Hours)	Operating Temp. (°F)
					Low Ballast Factor (0.78)	Norm Ballast Factor (0.88)	High Ballast Factor (1.10)	Low Ballast Factor (0.78)	Norm Ballast Factor (0.88)	High Ballast Factor (1.10)		
2-foot PATRIOT T8 PLUG AND PLAY LED Tube												
PT-T8ILT2-8W-PP USA	Yes	3500K, 4000K, 5000K	8	Frosted	11.5	14.5	15.5	1400	1660	1780	100,000	-30°C to 40°C
PT-T8ILT2-10W-PP USA	Yes	3500K, 4000K, 5000K	10	Frosted	12.5	15.5	16.5	1500	1760	1880	100,000	-30°C to 40°C
PT-T8ILT2-12W-PP USA	Yes	3500K, 4000K, 5000K	12	Frosted	12.5	15.5	16.5	1500	1860	1980	100,000	-30°C to 40°C
3-foot PATRIOT T8 PLUG AND PLAY LED Tube												
PT-T8ILT3-10W-PP USA	Yes	3500K, 4000K, 5000K	10	Frosted	12.5	15.5	16.5	1500	1760	1880	100,000	-30°C to 40°C
PT-T8ILT3-12W-PP USA	Yes	3500K, 4000K, 5000K	12	Frosted	12.5	15.5	16.5	1500	1860	1980	100,000	-30°C to 40°C
PT-T8ILT3-14W-PP USA	Yes	3500K, 4000K, 5000K	14	Frosted	14.2	16.5	17.8	1704	1980	2136	100,000	-30°C to 40°C
4-foot PATRIOT T8 PLUG AND PLAY LED Tube												
PT-T8ILT4-10W-PP USA	Yes	3500K, 4000K, 5000K	10	Frosted	11.5	14.5	15.5	1400	1780	1780	100,000	-30°C to 40°C
PT-T8ILT4-12W-PP USA	Yes	3500K, 4000K, 5000K	12	Frosted	12.5	15.5	16.5	1500	1860	1980	100,000	-30°C to 40°C
PT-T8ILT4-14W-PP USA	Yes	3500K, 4000K, 5000K	14	Frosted	15.2	16.5	23.2	1650	1860	2750	100,000	-30°C to 40°C
PT-T8ILT4-16W-PP USA	Yes	3500K, 4000K, 5000K	16	Frosted	16.5	18.5	25.8	1950	2250	2820	100,000	-30°C to 40°C
PT-T8ILT4-18W-PP USA	Yes	3500K, 4000K, 5000K	18	Frosted	-	-	-	-	-	-	100,000	-30°C to 40°C

PHYSICAL DATA

Product No.	Housing	Packing(in)/carton	Weight/carton
PATRIOT T8 PLUG AND PLAY LED Tube			
PT-T8ILT2-8W-PP USA	Aluminum + PC	24x8x9 42pieces	0.036CBM//4.2KG
PT-T8ILT2-12W-PP USA	Aluminum + PC	24x8x9 42pieces	0.036CBM//4.2KG
PT-T8ILT3-12W-PP USA	Aluminum + PC	36x8x9 42pieces	0.036CBM//5.5KG
PT-T8ILT4-12W-PP USA	Aluminum + PC	48x8x9 42pieces	0.069CBM//7.5KG
PT-T8ILT4-14W-PP USA	Aluminum + PC	48x8x9 42pieces	0.069CBM//7.5KG
PT-T8ILT4-16W-PP USA	Aluminum + PC	48x8x9 42pieces	0.069CBM//7.5KG
PT-T8ILT4-18W-PP USA	Aluminum + PC	48x8x9 42pieces	0.069CBM//7.5KG
PT-T8ILT2U-15W-PP USA	Aluminum + PC	48x8x9 42pieces	0.069CBM//7.5KG



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INSTALLATION INSTRUCTION

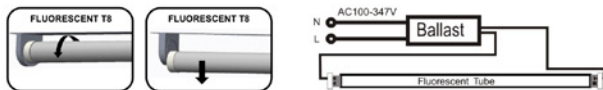
Magic ballast compatible tube with Aluminum housing.

“Plug” and “Play” procedure (UL Type A)

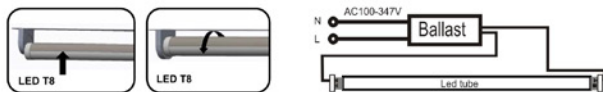
1. Turn off the power to the light fixture at the breaker panel before installation.



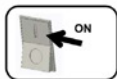
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.



4. Put led tube into the lighting fixture.



5. Install the LED tubes, close the diffuser.
6. Turn on the Power.



* For one ballast by three fluorescent tubes fixture, at least need to put two pieces of ballast compatible tube.
For one ballast by four fluorescent tubes fixture, at least need to put three pieces of ballast compatible tube.

Warning:

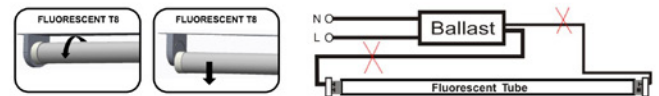
- Risk of fire. Do not install this lamp in a pre-heat luminaire.
- Risk of electric shock.
- Loose or damaged lamp holder need to be changed or adjusted before installation.
- Use only in place of fluorescent lamps specified on label.
- This device is not intended for use with emergency exists.
- These lamps are to be used in indoor damp location only.
- Not suitable for wet location.
- These lamps are not to be used with a light dimmer.
- Work with specific instant start electronic ballast only.
- If the lamp or luminaire exhibits undesirable operation (Buzzing, Flickering, etc), immediately turn off power, remove lamp from luminaire and contact manufacturer.
- If lamp does not light when the luminaire is energized, remove this lamp from luminaire and contact manufacturer.
- Do not make mass installation before testing.

Retrofit Procedure (UI Type B)

1. Turn off the power to the light fixture at the breaker panel before installation.



2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes. Please dispose of these items properly as they contain mercury.
4. Cut the wires shown as the diagram below.



5. Make the new wire connect to branch circuit shown as the diagram below.
6. Replace the cover over the wiring channel..
7. Install the LED tubes, close the diffuser.



8. Turn on the Power.

