

DATA SHEET: LED UBEND (Clear/Frosted, UL Type A & B)

The PATRIOT LED UBEND is a T8 dual function U-bend tube used as an energy efficient replacement for traditional fluorescent T8 lamps. Designed to operate on all existing instant-start, rapid-start, programmed-start and emergency fixture ballasts.

Our LED Ubend 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

- Works both with or without a ballast.
- Compatible with shunted or non-shunted sockets.
- Minimize labor and recycling costs.
- Stable lumen output.
- Replacement “plug and play” tube or retrofit kit.
- Suitable for damp or dry environments.
- Mercury free and virtually no UV or IR light.
- Compatible with over 90% of all North American electronic ballasts.
- Rated Life: 100,000 hrs.
- Limited Warranty: 5 year (10 year optional).

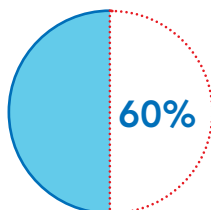


BEAM ANGLE



Patriot LED Light Distribution

CAN DECREASE ENERGY USAGE BY



vs. Similar Fluorescent Lamps

WARRANTY



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

TECHNICAL DATA

- Operation Temperature: -10°C to 30°C.
- Efficiency with ballast: >110LPW.
- Efficiency without ballast: >125LPW.
- Universal voltage: 120V-277V applications.
- Input Frequency: 50/60Hz.
- High power factor: .90
- Rated Life: 100,000 hrs.
- LED: SMD 2835 chips.
- Housing: Aluminum/PC.

ORDERING MODEL

PATRIOT TUBE	TUBE TYPE	INTERNAL DRIVER	LENGTH	SHAPE	WATTAGE	INPUT TYPE	CCT
PP	T8	IL	T2= 2FT	U	15W	BC	3500K 4000K 5000K
Product Code: example							
PT-T8 ILT 2U-15W-BC- 3500K							



Narrow Ubend



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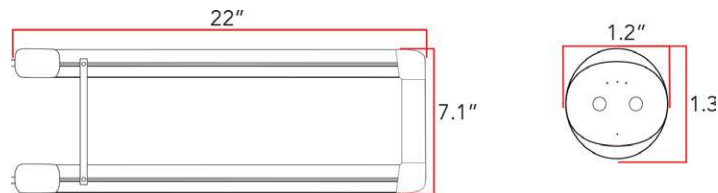
PRODUCT SPECIFICATION

Product No.	BAA/TAA Option*	UBEND TYPE	Input Voltage	Color Temp (K)	Rated Lumens	Rated Efficacy	CRI	Beam Angle	Rated Life (Hours)	Operating Temp. (°F)	Power Factor
13W PATRIOT LED UBEND											
PT-T81LT2U-13W	Yes	UBEND	AC100-277V	3500K/4000K/ 5000K	1690 lm	>110	>80	180°	100,000	-10°C to 30°C	>.90
PT-T81LT2UN-13W Narrow Ubend	Yes	Narrow Ubend	AC100-277V	3500K/4000K/ 5000K	1690 lm	>110	>80	180°	100,000	-10°C to 30°C	>.90
15W PATRIOT LED UBEND											
PT-T81LT2U-15W	Yes	UBEND	AC100-277V	3500K/4000K/ 5000K	1950 lm	>110	>80	180°	100,000	-10°C to 30°C	>.90
PT-T81LT2UN-15W Narrow Ubend	Yes	Narrow Ubend	AC100-277V	3500K/4000K/ 5000K	1950 lm	>110	>80	180°	100,000	-10°C to 30°C	>.90

PHYSICAL DATA

Product No.	Housing	Certification	Packing/carton	Weight/carton
PT-T81LT2U-13W	Aluminium	UL,NSF,DLC V4.2 and Lighting Facts	61×40×23 10PCS	0.086CBM//13.0KG
PT-T81LT2UN-13W Narrow Ubend	Aluminium	UL,NSF,DLC V4.2 and Lighting Facts	61×40×23 10PCS	0.086CBM//13.0KG
PT-T81LT2U-15W	Aluminium	UL,NSF,DLC V4.2 and Lighting Facts	61×40×23 10PCS	0.086CBM//13.0KG
PT-T81LT2UN-15W Narrow Ubend	Aluminium	UL,NSF,DLC V4.2 and Lighting Facts	61×40×23 10PCS	0.086CBM//13.0KG

DIMENSIONS



INSTALLATION

Direct Replacement Procedure:

1. Turn OFF power to the fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes (A) and dispose of these properly as they may contain mercury.
4. Put LED tube (B) into the lighting fixture and ensure the pins are firmly seated in lamp holders.
5. Install the LED tubes and close the diffuser.
6. Switch ON power to the fixture at the breaker panel.

Retrofit Procedure:

1. Turn OFF power to the fixture at the breaker panel before installation.
2. Open the diffuser from the light fixture.
3. Remove the fluorescent tubes and dispose of these properly as they may contain mercury.
4. Cut wires as shown on diagram (A) below.
5. Make new wire connection to the branch circuit as shown on diagram (B) below.
6. Replace the cover over the wiring channel.
7. Install the LED tubes and close the diffuser.
8. Switch ON power to the fixture at the breaker panel.

