

**Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).**



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**LEDT8-36-V1 18 watt T-series**

**UL Listing: United States**

**Lamp Type:** LED Tube

**Dimensions:** 36"

**Weight:** 514 grams

**Voltage:** 110 Volts to 277 VAC

**Watts:** 18 watts

**Total Lumens:** 2,250

**Lumens Per Watt:**125

**Lamp Life Expectancy:** 50,000+ Hours

**Beam angle:** 150 degrees

**Color temperature:** 4500K (clear) or 5600K (light frost)

**Operating Temp :** -20 C to 85 C

**Ratings/Approvals**

Listed for United States and Canada

UL-1993

CAN/CSA C22.2 No 1993

125 lm/w efficiency

IP20 Rated

80% Lumen Retention @ 50,000+ Hours

Internal Driver

Single End Powered

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**Special Orders- Requirements**

Contact us for special requirements

**Toll Free:** 1-800-369-6671

**Intl:** 1-903-270-1187

**E-mail:** [sales@larsonelectronics.com](mailto:sales@larsonelectronics.com)

**The Larson Electronics LEDT8-36-V1 18 watt T-series LED tube lamp is an excellent choice for upgrading existing T8 fluorescent lamp fixtures to LEDs as well as a direct replacement for our own LED light fixtures.**

The 18 Watt T-series LED Bulb works with any T8 fluorescent light fixtures, can be configured for any T series fluorescent bulb fixture and requires no ballast for operation. Internally, you simply bring the black wire to one end and the white wire to the other. The polycarbonate lens diffuses the light and makes this bulb ideal for food safe environments as there is no glass. The aluminum housing serves as a heat sink and provides rigidity and strength for this LED bulb. These LED light tubes can also be plugged directly into fluorescent light fixtures with magnetic ballasts, which makes them an ideal retrofit for older T12 fluorescent lights with magnetic ballasts.

In fluorescent light fixtures with electronic ballasts, the operator needs to bypass the ballast and wire the power directly to one or both ends of the LED tube (black wire to one end and white wire to the other). Thus, this is an ideal upgrade for 3 foot fixtures with failed ballasts. These multi-voltage LED fluorescent bulbs run directly off any voltage ranging from 110 volts to 277 volts, including 120 volts, 230 volts, 277 volts, etc.



[Click Photo to Enlarge](#)

[Click Photo to Enlarge](#)

These are the first generation of our 18 watt LED tubes. Lumen output is 125 lumens per watt for a total of 2,250 lumens per bulb.

These LED fluorescent tube replacements can be used as upgrades or replacements to our own Larson Electronics.com explosion proof fluorescent lights, explosion proof paint spray booth lights as well as any other T series light fixture the operator already has in house. We have specially designed these for our explosion proof light fixtures, however, they can be used as replacements in standard fluorescent light fixtures. In our facilities, we replaced worn or spent fluorescent bulbs with these LED bulbs by removing the ballasts and bringing the white wire to one end the black wire to the other end of the LED tube.

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### **LED Lamp Benefits**

1. 50,000 hour lifespan.
2. Can SAVE 50% or more on energy.
3. Qualifies retrofit projects for financial incentives, including utility rebates, tax credits and energy loan programs.
4. Reduces energy use and prolongs life-spans of peripheral cooling units (A/C, refrigeration)
5. 100% recyclable.
6. No toxins-lead, mercury.
7. No UV light, infrared radiation or CO2 emissions.
8. Qualifies buildings for LEED and other sustainable business certifications.
9. Bright, even light maintains consistent color over time.
10. Instant on/off – No flickering, delays or buzzing.
11. Very good color rendering.
12. Vibration/impact resistant.
13. Significantly cooler operation.
14. Less frequent outages, higher output improves workplace safety.
15. Brings out natural appearance of products in sales or manufacturing applications.
16. Preserves integrity of retail products... no heat damage to formulations or thermal fade of branded packaging in display cases.
17. Unlimited indoor applications for overhead lighting, retail fixtures, signage, custom lighting accents, manufacturing and general area illumination.
18. Easily retrofit existing conventional light fixtures, simplifies troffers since no ballasts. needed Durable enough for portable use in exhibitions and tradeshows.

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## Frequently Asked Questions (FAQ)

**Warranty:** 12 Months

**Options:**

**-Color Temp-Diffusion-Voltage**

**Example: -3000K-CLR-1227**

Color Temp	
3000K	-3000K
4500K	-4500K
5600K	-5600K
7500K	-7500K

Diffusion	
CLEAR	-CLR
FROSTED	-FRST
HEAVY FROST	-HIFRST

Voltage	
120-277V AC	-1227
11-25V AC/DC	-1224



Links (Click on the below items to view):

- [ISO 9001 Certification](#)
- [Business Certificate](#)