Larson Electronics LLC
9419 E US HWY 175, Kemp, TX 75143
Phone: 800.369.6671

www.LarsonElectronics.com
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Product ID: 48515

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



Image:

Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

LEDT48-18-T8 18 watt T-series

Lamp Type: T8 LED Tube
Dimensions: 47.125" (1197+/-1MM) cap to cap Length - 1.2" (30.5mm) diameter - 0.5" (12.7mm) spacing between pins
Weight: 0.445KG
Voltage: AC-100-277 / AC/DC 12V Optional
Watts: 18 watts
Total Lumens: 2,250
Luminous Efficiency: 125 Lumens per Watt
Colors : Warm White (3000K-3500K), Cool White (4000K-4500K), Daylight White (5800K-6300K), Natural White (7000K-7500K)
CRI: 80
Lamp Life Expectancy: 50,000+ Hours
Beam Angle : 120°
Base: G13
Operating Temp : -20°C to +45°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

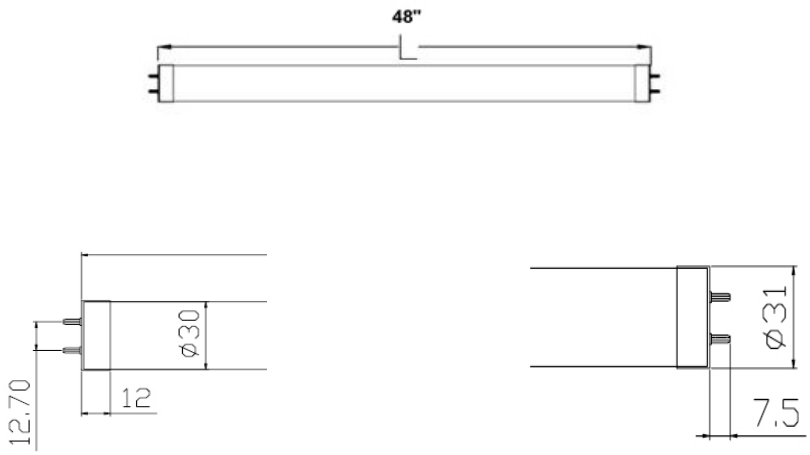
Special Orders - Special Requirements

Contact us for special requirements
Toll Free: 1-800-369-6671
Intl: 1-903-270-1187
E-mail: sales@larsonelectronics.com

The Larson Electronics LEDT48-18-T8 18 watt T8-series LED tube lamp is an excellent choice for upgrading existing fluorescent lamp fixtures to LEDs as well as a direct replacement for our own LED light fixtures.

The LEDT48-18-T8 produces 2,250 lumens, works with T8 fluorescent light fixtures, is available in 4 foot lengths and requires no ballast to operate. The lenses are offered in light frost or clear, and the lamps operate on high voltage120-277V AC or low voltage 11-25V AC/DC. The 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. LED light tubes can also be plugged directly into fluorescent light fixtures with magnetic ballasts, which make them an ideal upgrade for older T8 fluorescent lights with magnetic ballasts.

These LED fluorescent tube replacements can be used as upgrades or replacements to our own LarsonElectronics.com explosion proof fluorescent lights, explosion proof paint spray booth lights as well as any other T8 series light fixture the operator already has in house. They can be used as replacements in standard fluorescent light fixtures.



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 2 foot fixtures with failed ballasts. These multi-voltage LED fluorescent bulbs run directly off any voltage ranging from 100 volts to 277 volts, including 120 volts, 230 volts, 277 volts. This particular LED tube can also be ordered in 12VDC versions as well.

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
18. 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)

There are no Faqs

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Product ID: 48515

Harmonized System (HS) Code: 9405.41.84.10
Export Control Classification Number (ECCN): EAR99

Options:

-Color Temp-Voltage-Lens & Caps
Example: -WW3000.3500K-100.277VAC-CLR.X1

Color Temp	
WARM WHITE: 3000-3500K	-WW3000.3500K
NATURAL WHITE: 4000-4500K	-NW4000.4500K
DAYLIGHT WHITE: 5300K-5600K	-DW5300.5600K

Voltage	
100-277VAC	-100.277VAC
12VDC	-12VDC

Lens & Caps	
CLEAR/SINGLE	-CLR.X1
CLEAR/END2END	-CLR.X2
FROST/SINGLE	-FRST.X1
FROST/END2END	-FRST.X2

Links (Click on the below items to view):

- **Canadian CEC Certificate (Commonly referred to as CSA Certificate)**(https://www.larsonelectronics.com//images/product/CECCert/48515.PDF)
- **Dimensional Drawing 2D**(https://www.larsonelectronics.com//images/product/DimensionalDrawing/48515.PDF)
- **Operations Manual**(https://www.larsonelectronics.com//images/product/Manual/48515.PDF)
- **USA NEC Certificate (Commonly referred to as UL Certificate)**(https://www.larsonelectronics.com//images/product/NECCert/48515.PDF)
- **ISO 9001 Certification**(http://larsonelectronics.com/images/pdfdocs/ISO9001.PDF)
- **Business Certificate**(https://www.larsonelectronics.com/images/pdfdocs/w9.PDF)
- **Shipping Time Map**(https://www.larsonelectronics.com/images/product/ShippingTimeMap/ShippingTimeMap.pdf)