

Replacing Energy Wasting, Mercury Hazard, T8 Fluorescent Tube Lights with LED Tube Lights

By LEDtronics

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ED48T8-288-001W bi-pin LED fits into standard G13 bases and is designed to directly replace conventional T8 fluorescent tubes that provide general lighting

TORRANCE, CA , Energy-efficient T8/bi-pin LED lighting tubes are the latest fluorescent-replacement LED lighting products LEDtronics® announces in its green-technology lineup. The series LED48T8-288-001W bi-pin LED fits into standard G13 bases and is designed to directly replace conventional T8 fluorescent tubes that provide general lighting for commercial, residential and architectural lighting applications. The 48" long white tubes provide the equivalent light output of 24 to 32-watt fluorescent lamps while consuming less than a maximum of 19 watts. In addition, the LED48T8 tubes run on a wide voltage range of 100 to 290 volts AC.

When it comes to rated life, the LEDtronics series LED48T8 really shines. While conventional fluorescent lamps typically have a rated life in the range 8,000 to 24,000 hours, the LED48T8 lamps boast an operating life of 50,000 hours and more — 5.7 years of continuous light. Furthermore, since the LED lights produce so little wasted heat, the temperature inside the fixture does not build up as it does with conventional fluorescent tubes. The sturdy construction of a UV-resistant polycarbonate housing over the LED tube provides increased protection (no glass to break) and shielding against many environmental effects, allowing them to be placed in locations where typical lights would be more vulnerable to the elements. In addition, LEDs perform well in temperatures from -35C° to +45C°, making them ideal for applications subject to frequent on-off cycling, such as garages and basements, while the aluminum back cover helps with better heat dissipation and a longer lifetime for the LEDs.

The LEDtronics LED48T8 lights deliver up to 1,342 lumens at a color temperature of 5000K (pure daylight white) and 1,072 lumens at a color temperature of 3000K (warm white), compared to the average 810 lumens for equivalent conventional fluorescent tubes. They provide a brightness of up to 429 maximum foot candela across a 114-degree beam pattern, with an impressive CRI of 80.

Other benefits of LEDs over fluorescents include: Quick and easy installation to minimize retrofit costs; no ballast and starter needed, thus no radio frequency to interfere with radio and television signals; instant, full-strength lightup; no buzzing or flickering; and directional distribution of light—good for interior task lighting.

Solid-state design renders LEDs impervious to shock, vibration, frequent switching and environmental extremes. Savings from reduced maintenance costs and downtime quickly return the capital investment expenditure, making them as friendly to the environment as they are to the operating budget. The positive environmental impacts of LED lights additionally come from the consistent, reduced power consumption, long service life, high-quality light, and cold temperature operation, with the corresponding reduction in greenhouse gases and the reduced waste from fewer replacements. Unlike conventional fluorescent bulbs, LED lights are not disposed of as hazardous waste at end of life.

The LEDtronics LED48T8 tubes comply with RoHS—the lead-free and mercury-free directive, as well as the CE safety assurance. They emit no infrared or ultraviolet radiation, and effectively reduce light pollution, being compatible with the international “dark skies” initiative.

The LED48T8-288-001W Premium 4-ft (1200mm) Tube Lights come in two colors: Warm White (SIW)

and Pure Daylight White (TPW). Other viewing angles, tube lengths and a variety of LED colors are available for OEM customers. Large-quantity discounts are available for qualified distributors. Availability is stock to 6 weeks.

About LEDtronics®

Founded in 1983, LEDtronics leads where others only follow when it comes to designing, manufacturing and packaging state-of-the-art LEDs to meet the world's constantly changing lighting needs. Our inventive product line encompasses an array of direct incandescent lamp replacement Based LEDs, low-cost snap-in and relampable Panel Mount LEDs, high intensity sunlight-visible Discrete LEDs, PCB LEDs circuit board status indicators, surface mount diodes SMT LEDs, full-spectrum rainbow RGB LEDs and Infra-Red (IR) LEDs.

For additional information on how to incorporate fluorescent-replacement, energy-saving LED48T8 tubes into your architectural lighting designs, contact LEDtronics toll free at 1-800-579-4875, telephone 310-534-1505, fax at 310-534-1424, email us at webmaster@ledtronics.com or postal mail at LEDtronics, Inc., 23105 Kashiwa Court, Torrance, CA 90505.

For more details, the direct web link to the Premium LED Tube LED48T8-288-xxW-001W is:

<http://www.ledtronics.com/products/ProductsDetails.aspx?WP=C0K768>

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Replace energy-wasting lighting with world-class, environmentally responsible LED bulbs and products. The LEDtronics website is packed with many different types of direct-incandescent-replacement bright Light Emitting Diode (LED) lamp and LED bulbs.

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Tags	fluorescent t8, led, tube lights, lamps, bulbs
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Phone	310-534-1505
Fax	310-534-1424
Address	23105 Kashiwa CT
City/Town	Torrance
State/Province	California
Zip	90505
Country	United States
Link	http://prlog.org/10268260



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