

T8 LED Tube Installation Instructions

Features

- Designed as a replacement for Fluorescent tubes without the need for ballasts.
- Low power consumption of 17.5W for a 4 foot unit, Available in Standard, Performance or High Output versions. A logical & responsible solution.
- Long life 40,000+ hours rated life to 70% of initial light output (L70).
- Unique thermal system. It's effective to keep LED junction temperature below 90°C, with only 38-42°C of housing temperature in fixture.
- Excellent high power light output and efficacy of over 100lm/w.
- Aluminum assembly with integrated heatsink, internal or external current driver.
- High power factor and low THD, RoHS compliant. Excellent LM80 performance
- UV, Infrared, Cadmium, Lead and Mercury free.



Precautions

- ✓ Verify the shipped contents please do not proceed with the installation if any damage is found, please contact us in such an event
- ✓ Confirm the operating voltage of your system with the label on the LED tube
- ✓ Do not operate in high heat or high humidity environments (Operating temperature range between -20°C and +40°C (-4°F and +104°F dry applications)
- ✓ Do not use in fixtures exposed to the elements, for use in interior applications only
- ✓ Do not drop the LED tube as the connector pins may deform or break
- ✓ Do not modify or operate with dimmers or other non approved control circuits
- ✓ Following all electrical and local building codes
- ✓ Power must be off during the installation
- ✓ Turn off the breakers for the circuit and affix a warning label before proceeding
- ✓ Use new T8 (G13) sockets if the old ones are shorted pin type, instant start or damaged

Notes

The original fixture and lamp holders (sockets) must be in good working condition before proceeding.

The original fixture ballast will not be used and can be removed or remain in the fixture unconnected.

Pins opposite of input end on LED tube are open circuit (no connection) and used for mechanical support only.

Do not open the LED tube, there are no user serviceable parts inside

Caution: T8 LED tubes cannot be utilized with shunted (shorted) pin lampholders/sockets. Each lampholder/socket must have 2 wires.

Please observe proper precautions when removing the old fluorescent tubes. Fluorescent lamps contain mercury which is released as toxic dust and vapors. Care must be used to insure that the lamps are not broken. Proper disposal is also required for the Fluorescent tubes & ballast please refer to the official EPA web site for instructions.

<http://www.epa.gov/hg/spills/> & <http://www.epa.gov/osw/hazard/wastetypes/universal/lamps/>

If storing LED tubes please keep the pin protectors in place
Please keep the original packaging for the LED tubes.

**For technical assistance please contact us @
Info@ledrays.com**

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Instructions

1. Turn off power
2. Remove old Fluorescent tubes
3. Access the ballast by removing ballast cover
4. Disconnect and cut wires feeding to the ballast input (live and neutral wires) they should remain as long as possible
5. Disconnect and cut the wires from the ballast output to the sockets (cut wires close to the ballast)
6. Connect the 2 socket wires to the 2 input wires (live and neutral) from step #4
7. Install ballast cover and LED tubes, turn power on

- For external driver models including AC347V units please replace ballast with driver paying close attention to input/output wiring information printed on both driver & tube

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