



Installation instruction



T8 Smart Tube

Mymesh Building Light Control

The Mymesh T8 LED tube is suitable to convert an existing linear fluorescent fixture with standard G13 lamp holders into a smart LED lighting system. The LED tubes are operated by an internal Mymesh smart LED driver with built-in wireless controller and automatically form a wireless sensor-and-control network.

Getting started

- Please read the entire installation guide before installing the T8 LED tube.
- Ensure that the following materials are available: installation guide, warning label, T8 LED tube and LED dummy starter.
- Identify which ballast type is installed in the fixture and follow the relevant section to replace the fluorescent tube with the T8 LED tube.



Application

- Do not use the T8 LED tube in combination with an electronic ballast. Only a magnetic ballast or no ballast should be used.
- Do not use the T8 LED tube for emergency lighting.
- Do not connect the T8 LED tube to an external dimmer.
- The T8 LED tube is suitable for use at indoor locations (protection class IP20).
- The supplied LED starter should be used.
- Refer to the T8 LED tube product sheet (see chess-wise.eu/downloads) for the product specifications and the environmental conditions.

Safety ⚠

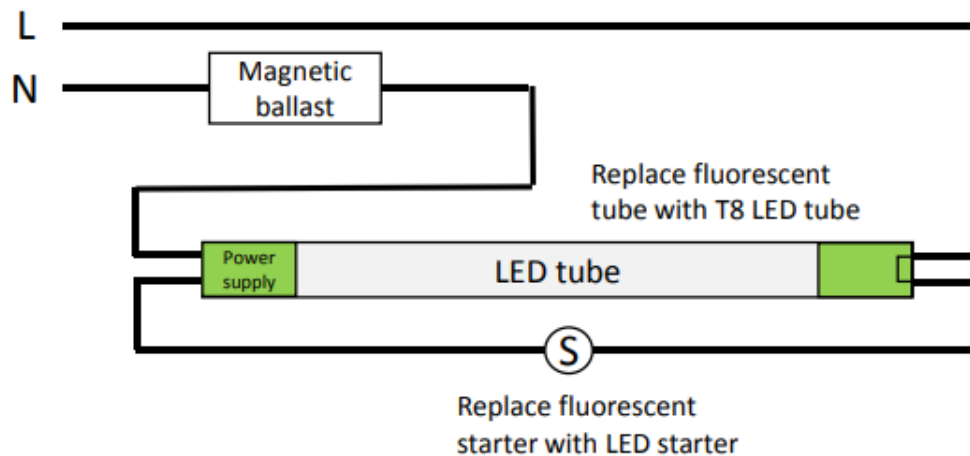
- Installation should be performed only by a qualified electrician.
- Disconnect power at the source before installation, inspection or removal.
- Do not use the T8 LED tube if it is damaged.
- The electrical installation must be in conformance with the national legislation and relevant standards.
- The mains connection of the T8 LED tube must be provided with a fuse or circuit breaker

Installation of fixtures with magnetic ballast

- Turn off power.
- Remove existing fluorescent lamp.
- Remove existing fluorescent starter.
- Insert T8 LED starter.
- Apply a caution label on the fixture to warn users that the luminaire now operates LED lamps only.
- Insert T8 LED tube (LED strip on upper side of the tube).
- Turn power on and verify that the T8 LED tube is switched on.
- As an option the magnetic ballast can be removed

LED Tube only

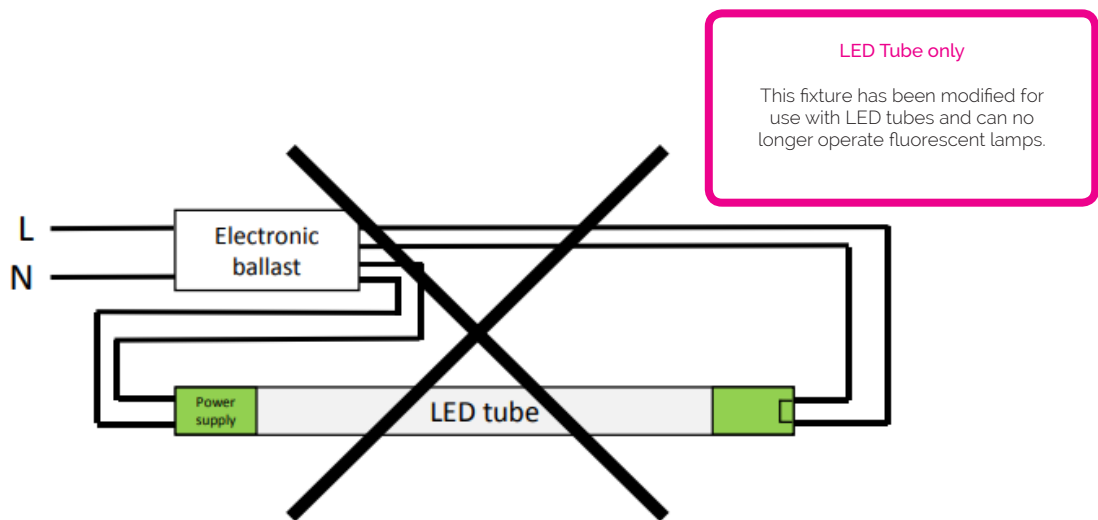
This fixture has been modified for use with LED tubes and can no longer operate fluorescent lamps.



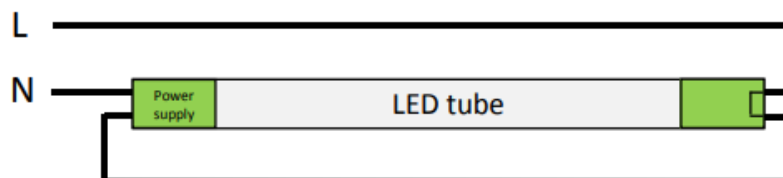
Wiring diagram 1: T8 LED tube with magnetic ballast

Installation of fixtures with electronic ballast

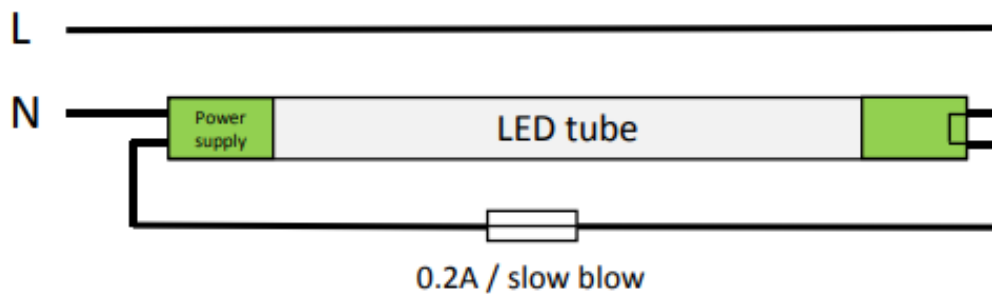
- Turn off power.
- Remove existing fluorescent lamp.
- Remove the electronic ballast
- Connect the mains on two sides of the LED tube and add a connection between the two sides as shown in wiring diagram 3
- It is recommended to add a 200mA fuse to the connection between the two sides of the fixture to protect against insertion of a fluorescent tube (see wiring diagram 4).
- Apply a caution label on the fixture to warn users that the luminaire now operates LED lamps only.
- Insert T8 LED tube.
- Turn power on and verify that the T8 LED tube is switched on.



Wiring diagram 2: remove electronic ballast



Wiring diagram 3: T8 tube without ballast



Wiring diagram 4: T8 tube with fuse and without ballast

Configuration

When the T8 LED tube is powered, the lamp should go on. Use the iPad Mymesh commission app for configuration of the T8 LED tube.

Usage

The T8 LED tube can be controlled wirelessly.

Compliance

This product complies with the European directives and relevant standards for low voltage, EMC, RED, WEEE and RoHS. The T8 LED tube contains a radio. The applied radio frequency is within the ISM band 2403 – 2483.5 MHz (default 2403 MHz) and the maximum transmit power is +4 dBm. Hereby, Chess Wise declares that the radio equipment type T8 LED tube is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at chesswise.eu/downloads.

Repair

Do not open this product. In case of failure the T8 LED tube must be replaced.

Recycling

Do not dispose this product as household waste, but bring it to an appropriate collection point for recycling.