1. General Description

This product is suitable for indoor general illumination purpose.

**Features**
- **Illuminant:** Ultra-bright white SMD LED
- **Light color:** Warm White, Natural White, Cool White
- **Front Cover Finish:** Matte Finish / Transparent
- **Wide Input Voltage:** 100-277 VAC
- **High Efficiency Power Supply Low Power Consumption
- **Instant On/Off Response No Flickering**
- **Constant Current**
- **Power Supply/Stable Performance and Long Lifespan**

2. Technical Specifications

**Basic Information**

**Model Number** | **Length (meters)** | **Material** | **Electrical Specifications**
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MT8-60 | 0.6m | Aluminum alloy + PC | **Length (mm)** | **Part Number** | **Voltage (V)** | **Operating Frequency (Hz)** | **Input Current (mA)** | **Rated Power (W)**
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
| | | | | 0.6m | MT8-60 | 100-277 | 50/60 | 0.25 | 12
| | | | | 0.9m | MT8-90 | 100-277 | 50/60 | 0.30 | 15
| | | | | 1.2m | MT8-120 | 100-277 | 50/60 | 0.35 | 19
| | | | | 1.5m | MT8-150 | 100-277 | 50/60 | 0.40 | 25
| | | | | 1.8m | MT8-180 | 100-277 | 50/60 | 0.45 | 29

3. Warning

1) **WARNING:** Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaries electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

2) **WARNING:** Risk of fire or electric shock. Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings.

3) **WARNING:** To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

4) **WARNING:** To avoid potential fire or shock hazard, do not use this retrofit kit in luminaries employing shunted bi-pin lamp holders. Note: Shunted lamp holders are found only in fluorescent luminaires with Instant-Start ballasts. Instant-start ballasts can be identified by the words “Instant Start” or “I.S.” marked on the ballast. This designation may be in the form of a statement pertaining to the ballast itself, or may be combined with the marking for the lamps with which the ballast is intended to be used, for example F40T12/IS. For more information, contact the LED luminaire retrofit kit manufacturer.

5) Installers should disconnect existing wires to lamp holder terminals. Instead, installers should cut existing lamp holder leads away from the lamp holder and make new electrical connections to lamp holder lead wires by employing applicable connectors.

6) **This luminaires has been modified and can no longer operate as originally intended,** shall be marked on the retrofit luminaire label where visibility to the user during normal maintenance including re-lamping.

7) **LED Lamp Replacement Marking** – Identification of the replacement LED lamp type/model to be used along with manufacturer and ordering information.

For a linear tubular LED lamp conversion, there shall be a test or a diagram showing how the supply connections were made to the lamp holders so the correct connections will be made to the lamp when the lamp is installed or replaced.

- **“Not for use with dimmers.”**
- **Caution: Risk of Electric Shock – Use in Dry Locations Only.”**
  - Only use in Type IC Listed fluorescent Maximum Three lampaed broder style luminaire without diffuser
  - THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS
  - Remove photosensitive used in existing recessed luminaire if any.
  - Do not install in a raceway or a luminaire marked for through branch wiring.
  - Always connect ground lead to fixture where applicable.
  - Provide minimum 110 mm space between tubes.

4. Installation

- Turn on the power supply to check whether the light tube is working properly.
- Disconnect all power to the lamp fixture.
- Disconnect the fluorescent lamp.
- Remove the ballast and starter where applicable.
- Disconnect one side of the fixtures lamp sockets as the “LIVE END” and mark for future reference.
- Connect the positive lead to one of the two wires connected to the lamp pin base and connect the negative lead to the second of the two wires connected to the same lamp pin base (above), and the lamp pin to connect lamp base positive lead, the lamp pin N to connect lamp base negative lead. All connection are made by wire nuts.

5. Usage Instructions

- **Ambient Working Requirements**
  - **Temperature:** Max. 40°C
  - **Storage temperature:** -40–60°C
  - **Storage humidity:** 10%–90%
  - **Unpacking and Checking**
    - Open the package and check the products, please handle with care.
  - **If the new LED tube is found damaged, please contact us instantly with the complete package**
  - **Please do not try to use the damaged LED tube**

- **Cautions**
  - In order to ensure the product work properly, please use the power supply within indicating voltage range.
  - Please follow the correct installation steps to install the product. Please DO NOT touch the tube while tube is working.
  - Please turn off the power supply (cut off Live wire and Neutral wire at the same time) for the base to avoid the risk of electric shock while installing or uninstalling the product.
  - Do not use the products in the high humidity or dust environment, including but not limited to the following environment: bathroom, kitchen.
  - Do not look directly at LED light source for a long time, because the high-intensity light source may cause harm to eyes.
  - Please contact a qualified electrician for repair services when you find the following problems, and do not disassemble the tube light:
    - a. Electronic components are exposed to rain or other liquids splash.
    - b. Products release smell gas, abnormal sound and unusual flash.
    - c. The cover is broken. Debris goes into the base or the tube.

- **Troubleshooting**
  - If under proper operation, please confirm if the following problem occurs. If the problem persists and cannot be resolved by the following reasons below, please discontinue usage and contact a qualified electrician.
    1. The LED tube does not light after properly connecting the power supply as directed in the instruction manual.
    2. Turn off the power supply and check whether the circuit screw on the LED tube is loose and if the sheet metal on the base is suitably fitted.
    3. The lamp flashes when it is powered on.
    4. Please call a qualified electrician to check and confirm if the power supply voltage is lower than luminaire's requirement.