

LED T8 9W (2ft) 18W(4ft) EBBU Bypass tube



Test button: Press the test button to check the emergency function. When connected with AC power for 8 seconds, press this button, lamp will be in emergency status.

Green lamp on: AC power(AC100-277V)connected.

Red lamp on: Batteries are charging, it will turn off when batteries are full charged.

Yellow lamp on: Tube is on malfunctioned. (Please call retailer when yellow light turns on).

Blue lamp on: Sensor is working.

Attention:

- Before installation, please make sure power off
- Emergency test switch is optional. Installed or not depends on local fire requirements.

Note: If installed emergency test switch, after correct wiring, please make sure the emergency test switch is on all the time.

- E2's emergency LED tubes need to identify AC end and Emergency end.

Remark: the end with test button and indicator lamps is emergency end(EM) and another end is AC end(AC)

- At each end, live and neutral wires can go to either pin
- Both the AC and EM end supplied with a AC 100-277V voltage supply

PRODUCT DESCRIPTION:

E2 T8 Emergency battery back up and sensor (microwave or PIR) LED tubes are an energy savings product used as a special replacement for traditional fluorescent T8 lamps. This lamp has test buttons and indicator that is safe with fire protection standards. ETL listed and RoHS..

FEATURES:

- Emergency battery back up for 90 mins. or 1.5 hrs
- Test button for Emergency
- Light inductors: Power, Battery Charging, Sensor and Malfunction
- Aluminum and plastic body for efficient heat sink and even light distribution
- Internal isolated driver
- Built-in Lithium batteries with over-charging and over discharging protection: Ensuring the life time of the battery (800 times charging and discharging)
- Single end or Two end power by pass connection
- No distortion and no yellowing light
- Lumens output greater than 104 lm/W
- 50,000 Hours L70 Lifespan
- ETL listed for motion sensor and battery back up

APPLICATION:

- Linear Replacement Lamp
- Office, Parking Garage, Commercial and Industrial Building Applications

TESTED DATA:

- Light Output: 1080 lm, 1900lm
- Wattage: 9W, 18W
- Efficacy: >105 lm/W
- Power Factor: >0.90
- CCT: 4000K, 5000K
- CRI: >80
- THD: <20 %
- Frequency: 50-60Hz
- Input Voltage: AC100-277V
- Working Environment: -20°F-113°F
- Beam Angle: 220°
- Mercury Content: No Hg
- Lens: Aluminum and Plastic

WARRANTY:

E2 warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. Please see our complete warranty terms located at www.e2lightingusa.com.

Product Number	Wattage	Color	Certifications	Dimmable	Voltage	Lumens	Working Hours	CRI
Model: E2-T806-Y01-9	9W	4000K/5000K	ETL	Yes w/ motion sensor	AC100-277V	1080m	50,000hrs	>83
Model: E2-T812-Y01-18	18W	4000K/5000K	ETL	Yes w/ motion sensor	AC100-277V	1900m	50,000hrs	>83

Please read this manual carefully before installing emergency tube.

WARNING:

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

The tubes have to be connected with AC100-277V

directly but not to the existing ballast in the fixtures. Connecting the tubes to the fixture without bypassing the ballast will permanently damage the tubes.

Tube with Internal lithium battery design.

Operating temperature range : -20°C (-4°F) to 65°C (149°F)










Charging temperature range: 0°C (32°F) to 45°C (113°F)

Installation instruction:

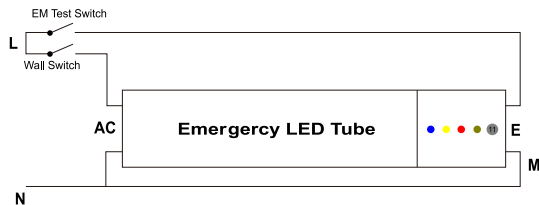
IMPORTANT: Rewiring fixture according to the AC input way of emergency tube.

Manual of Emergency tube

Operation Procedure

 <p>Turn on wall switch</p>		 <p>Green lamp on: AC power is connected. Red lamp on: Battery is charging. Yellow lamp(malfunction lamp) off: If turns on, battery has problem. Blue light will be on if is emergency LED tubes with sensor option</p>	
<p>Tubes are off and batteries are charging.</p>	 <p>Turn on wall switch</p>		 <p>Green lamp on: AC power is connected. Red lamp on: Battery is charging. Yellow lamp(malfunction lamp) off: If turns on, battery has problem. Blue light will be on if is emergency LED tubes with sensor option</p>
<p>Tubes are on and batteries are charging.</p>	 <p>Turn off wall switch</p>		 <p>Green lamp on: AC power is connected. Red lamp on: Battery is charging. Yellow lamp(malfunction lamp) off: If turns on, battery has problem. Blue light will be on if is emergency LED tubes with sensor option</p>
<p>Tubes are off and batteries are charging.</p>			

Option 1: Wiring for Having Emergency Test Switch



If main power is cut off suddenly, emergency will be turned on in 2s with 3W or 6W emergency power in 90mins or 180mins emergency time. (Emergency power and emergency time will be confirmed before placing orders)

Test Procedure

Option 1: Don't installed emergency test switch on wall



Be sure connect to main power and wall switch is off, then press the test button on the end cap with indicator lamps side.

(Status: emergency will be turn on)

Option2: Installed emergency test switch on wall

Attention: 1.Connect to main power
2. Wall switch is off
3. Emergency test switch is on

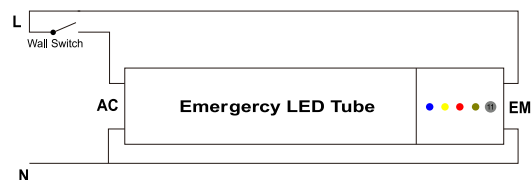


Way 1. Turn off emergency test switch, emergency will be turned on
Way2. Or press the test button, emergency will be turned on, too.

Attention:

If choose turn off the emergency test switch to test the emergency working status, please turn on the emergency test switch after testing. Otherwise, emergency function will be turned off.

Option 2: Wiring for Without Emergency Test Switch



1. Before installation, please make sure power off
2. Emergency test switch is optional. Installed or not depends on local fire requirements.
- Note: If installed emergency test switch, after correct wiring, please make sure the emergency test switch is on all the time.
3. E2's emergency LED tubes need to identify AC end and Emergency end.

Remark: the end with test button and indicator lamps is emergency end(EM) and another end is AC end(AC)

4. At each end, live and neutral wires can go to either pin
5. Both the AC and EM end supplied with a AC 100-277V voltage supply

Charging Time: 8 hours for 1.5H solu. on, 12 hours for 3H solution.

Microwave sensor part

long distance sensor(5-8m),sensor time (30-120s),sensor power (0/3W)

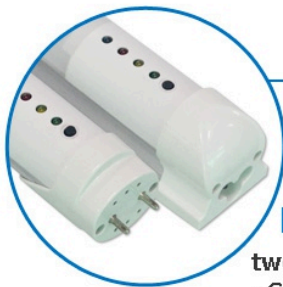


PC Cover

Imported Japan Teijin PC cover, high transmittance, dustproof, 240 degree beam angle and 140°C high temperature resistance

Housing material

full PC housing material, anti-corrosion, safety and stability

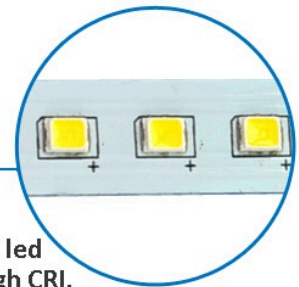


End caps

two types end caps are available
- G13 end cap & integrated

LED Chip

Imported Taiwan SMD2835 led chip, high lumen output, high CRI, low heat and long life span



Battery Parameter

Fire - resisting sleeves

V0 level, high temperature resistant, thermal-insulation, inflaming retarding & anti climate aging much prolong tubes life time

Battery capacity

length: 132*20.5mm,205*22mm, longer life time, green and over 800times charging-discharging



indicator button

microwave sensor

Internal isolated driver

transformer with earth leakage protection keeps stable performance and safe for using. Passed UL, CE, SAA and TUV certificate, guaranteed quality