

## G4 LED Emergency T8 Tube

E2-T8-EBBU-ON/OFF-2FT-9W  
E2-T8-EBBU-ON/OFF-4FT-18W

**NEW**



## Product Description:

E2's G4 series emergency T8 tubes have a 2-in-1 functionality. Able to act as a regular T8 LED tube that can be turned on/off by wall switch; and as an emergency tube. E2's T8 emergency tubes are the most efficient and convenient in the industry, consuming the least amount of energy in retrofit applications. The T8 LED tube's unique technology enables the use of an emergency battery pack built into the LED tube. This is one of the easiest and most convenient ways to replace a fluorescent system with an emergency ballast. The tube itself contains a 90-minute battery pack. ETL listed, DLC Standard listed and RoHS compliant.

## Features

- Emergency battery backup for 90 min or 1.5 hrs
- Test button and indicator lights for power, battery charging, motion sensor and malfunctioning in line with fire protection standards
- Internally isolated LED driver
- Built-in lithium batteries with over-charging and over-discharging protection (800x charge and discharge cycle lifespan)
- Double-Single-Ended power bypass connectivity
- No distortion and no yellowing light
- Light output greater than 120 lm/W
- ETL and DLC Standard 5.0
- 50,000 Hours L70 Lifespan
- 5 year limited warranty

## Specifications

Product Number	Wattage	Color	Certifications	Dimmable	Voltage	Lumens	Working Hours	CRI
E2-T8-2ft-9W-EBBU	9W	4000K 5000K	ETL & DLC Standard	No	AC100-277V	998 lm	50,000hrs	80Ra
E2-T8-4ft-18W-EBBU	18W	4000K 5000K	ETL & DLC Standard	No	AC100-277V	2319 lm	50,000hrs	80Ra

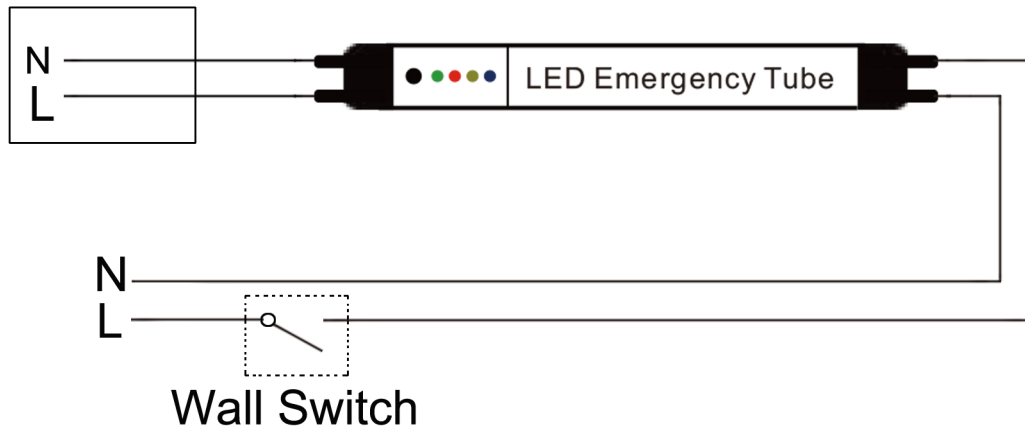
The dimming feature is only available with the integration of a microwave or PIR motion sensor.

## Tested Data

Technical requirements	5.0	Classification	Standard	Light Output	998lm 2319 lm
CCT	4000K,5000K	Input Wattage	8.2W 18W	Efficacy	>120lm/W
Input Voltage	AC100-277V	Power Factor	0.9	CRI	80
Working Environment	-4°F-149°F	Lens	Polycarbonate	Frequency	50-60HZ
Dimming Compatible	No	Beam Angle	220°	IP Rating	IP44
Base Type	Medium Bi-Pin G13	Mercury Content	No Hg	THD	<20%
Application	Double-Ended Bypass (Default) Singled end (Option)	Dimensions	2ft for 9W 4ft for 18W	Weight	0.8 lbs

## Wiring Diagram

### Constant Power



•Please read this manual carefully before installing emergency tube.

## Installation instruction

1. Before installation, please make sure power off.
2. Emergency test switch is optional. Installed or not depends on local fire requirements.  
Note: If the emergency test switch is installed, after correct wiring, please make sure the emergency test switch is on all the time.
3. When installing emergency LED tubes; identify the AC end and the Emergency end.  
Remark: the end with test button and indicator lamps is the emergency end( EM) and another end is the 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

## NOTE

This product must be installed by a qualified electrician in accordance with the applicable installation code.

## Warning:

Battery maintenance instruction:

Once a month, emergency tubes need to charge and discharge at least one time in order to ensure better battery performance.

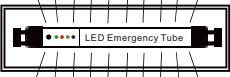
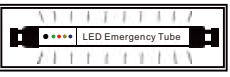

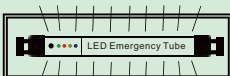
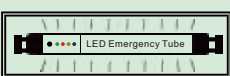

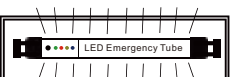
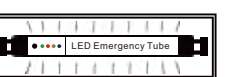
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Operation temperature: -20°C(-4°F) to 65°C(149°F)

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






## Operation

<p><b>Start</b> (First time connected with AC power)</p>	<p>Turn on main power</p>	 <p>Tube works with full power battery is charging</p>	<p>If power fails</p>  <p>Emergency function turns on 3W, 384 lm or 8W at 1024 lm output Duration: 90mins</p>
<p><b>Turn on</b></p>	 <p>Turn on the switch</p> <p>Discharge method once a month when lights are switch on and off during business hours.</p>	 <p>Tube works with full power battery is charging until be full</p>	<p>If power fails</p>  <p>Emergency function turns on 3W, 384 lm or 8W at 1024 lm output Duration: 90mins</p>
<p><b>Turn off</b></p>	 <p>Turn off the switch</p>	 <p>Tube will be turn off battery is charging until be full</p>	<p>If power fails</p>  <p>Emergency function turns on 3W, 384 lm or 8W at 1024 lm output Duration: 90mins</p>

## Emergency function system

Emergency Lighting will be turned on in 1s with 3W or 8W emergency power @ 90mins emergency time.



-  Test Buttn: Press test button, tube will enter emergency status
-  Green lamp on: AC power (AC100-277V) connected
-  Red lamp on: Battery is charging, it will be turned off when full charged
-  Yellow lamp on: Tube is on malfunction ( Please call retailer when yellow light turns on)
-  Blue lamp on: Sensor is working