

## LED Emergency T8 Tube

**NEW**



## Product Description:

E2's LED emergency driver products 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 allows the tube to be powered on at 60% brightness when the electricity supply is cut off. 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 mins or 1.5 hrs
- 3W battery will yield 384lm, 8W battery will yield 1,024lm
- 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-Ended power bypass connectivity (default)
- Single-Ended power is an available model option
- Light output greater than 128 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-T8-4ft-18W-EBBU	18W	3500K	ETL	No	AC100-277V	2319 lm	50,000hrs	80Ra
		4000K	ETL & DLC®			1152lm		
E2-T8-2ft-9W-EBBU	9W	5000K	Standard					

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

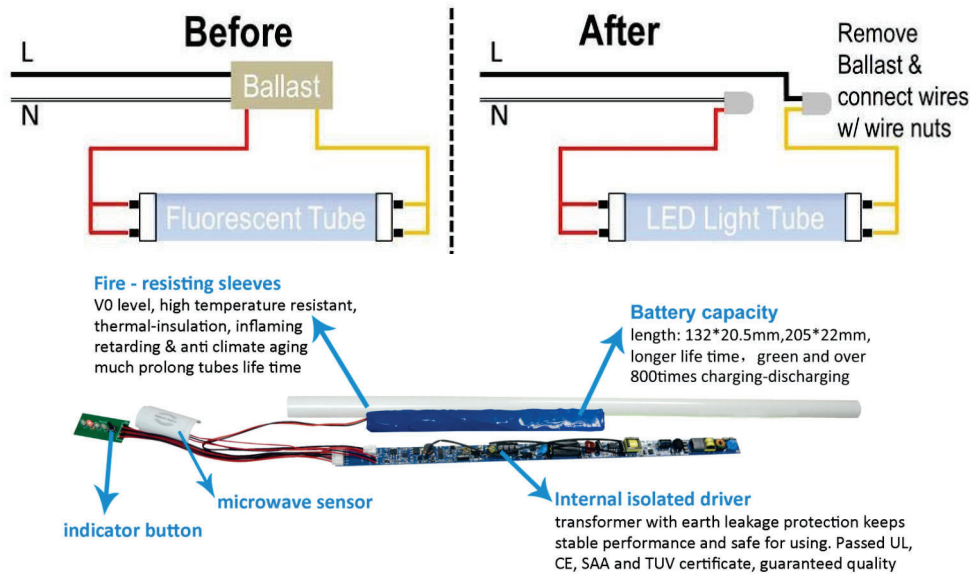
## Tested Data

Technical requirements	5.0	Classification	Standard	Light Output	2319 lm
CCT	3500K,4000K,5000K	Input Wattage	9W and 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	4ft - 2ft	Weight	0.8 lbs-4ft 0.6lbs-2ft

## Wiring Diagram

### Schematics of Bypassing Ballast

- √ Remove Ballast & Re-wire Correctly
- √ Ensure the light Tube is Dual-End Powered



- Please read this manual carefully before installing emergency tube.

### 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.

Installation instruction:

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

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

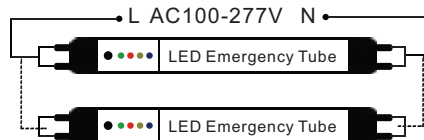
Charging temperature: 0°C(32°F) to 45°C(113°F)

## Installation instruction


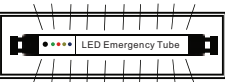
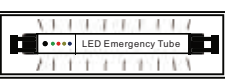
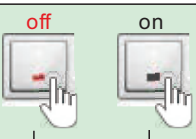
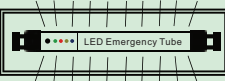
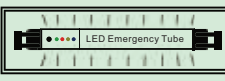
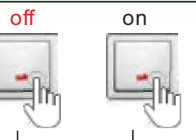
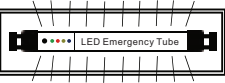
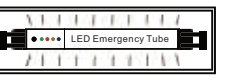
IMPORTANT: Rewiring fixture according to the AC input instructions below.

- Please turn off main power before rewiring and installation


Double sides input-Installation for rewiring



## Operation






<p><b>Start</b> (First time connected with AC power)</p>	 <p>Turn on main power and switch</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>Finish 2 steps in 3seconds Click wall switch 2 times (off-on) within 3 seconds</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</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>Finish 2 steps in 3 seconds Click wall switch 2 times (off-on) within 3 seconds</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>

### Start up and shut down emergency function system

	Shut down	Start up
<p>Option1</p>	 <p>Finish 3 steps in 2 seconds Click the wall switch 3 times (off-on-off) within 2 seconds</p> <p>Emergency function system shuts down</p>	<p>as long as emergency tube is connected with AC power, click the wall switch, emergency function system starts up.</p>
<p>Option2</p>	<p>When emergency function turns on, press "Test button" 3 times within 2 seconds, emergency function system shuts down.</p>	<p>When emergency function system shuts down, press "Test button" 3 times within 2 seconds, emergency function Starts up.</p>

Notice: When emergency functions turns on(power cut), Press "Test button" 3 times within 2 seconds to shut down emergency function system, battery storage time can up to 12 months.



-  Test button: 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