ECOMAX LIGHTING

Emergency LED Tube Light

Date:..... Location: .....

Product:..... Project:.....

Quantity:..... Catalog# .....

Features:

- Emergency tube over 120mins, 1100LM brightness.
- AC input voltage (100-277VAC, A grade ternary lithium battery
- Ultra long emergency time limit, high safety performance,
- Automatic monthly inspection function, fault alarm function, more intelligent
- With emergency test button/indicator/battery power switch, appearance coordination, meet most code demands

SUITABLE APPLICATIONS

- Office Lighting
- Meeting room lighting
- Store lighting
- Restaurant lighting

Product Description:

Emergency LED Tubes can work directly with old tube fixtures by removing starte/ballasts, emergency time over 120 minutes with over 1100LM output brightness.

Electric Characteristic

PRODUCT ORDERING GUIDE

EMT8-18WBC-50K
1 2 3

EMT8 - 18W BC - 50K

☑ EMT8 Emergency T8 LED Tube

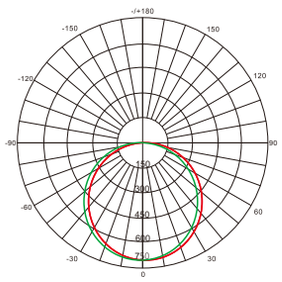
☑ 18W Power

☑ 50K Color Temperature 3000K 4000K 5000K 6000K

Electric Characteristic

Specification/Model	EMT8-18WBC-50K
Input Power	18W
Luminous flux	2000lm±5%
Emergencyluminous flux	1100lm±5%
Lumen Efficacy	115lm/W±5%
CRI	>80
Color Temperature	3500K-4000K-5000K-6000K
Input voltage	120-277V/AC
Light distribution type	120°
Work curent	0.182A@90VAC:0.090A@277VAC
Work Freguency	47-63Hz

DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%): 150°

Lumens:2340LM
Test Number:18W
Test Number:5000K

UNIT:CD
C0/180,110.9
C30/210,110.5
C60/240,109.3.
C90/270,109.1

Electric Characteristic

Power Factor	>0.99@90VAC:0.91@277VAC
Charging Time	>10hrs
Emergency Time	120mins
Emergency Power	5-8W
Battery Type	Polymer Lithium-Ion Battery(11.1V,2AH)
PF	≥0.9
THD	≤20%
LED Type	SMD2835LED

Tips:

1. About automatic detection: as long as the test switch (Test) is pressed, or the mains is re-supplied, the internal program will restart the timer. After 12 hours, the first automatic test will be performed, and the emergency state will be activated for 1 minute. After confirming that the emergency function is normal will return to normal state automatically. If the emergency function is abnormal within 1 minute, the program will automatically resume charging for 1 hour and then re-test. When confirmed it's not normal for the second time, the green indicator will start to flash to alarm, confirming that the internal device is abnormal and cannot work normally, stop using it immediately, Ask a professional to repair or replace it.

2.Monthly inspection function: When the product continues to work normally for 30 days, the internal program will automatically start an emergency function test.

3.Special situation: When the product lasts for more than 12 hours and the ON/OFF switch is not turned on, the internal program will determine there is a fault, and the green light will flash an alarm. At this time, Need to turn on the ON/OFF switch first, and then press the TEST test button or mains is re-supplied. then can back to normal use.

Function Introduction

1.ON/FF:Black hidden switch,to active emergency function.Remark:This switch is default closed before leaving factory, by use a small sharped object into the hole to press it, as long as the noise heard means the switch is turned on.At the same time the tube will start emergency function if haven't install into the fixture.When the tube's indicators(red,green) fl ashing alternately after installing into the fixture which means the internal switch is not turned on, Please repress it.

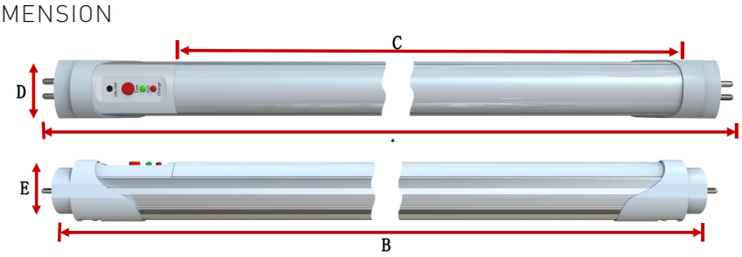
2.Test: The red button is for testing the emergency function if normal when the tube is working .When pressed, the lamp immediately starts the emergency state and lights up, and returns to normal after release it. Each time this button is pressed, the internal program time is cleared, and the automatic detection time will be restarted.

3.**Full:**The green indicator "steady on" means "the intemal battery is fully charged"

4.**Charge:**The red indicator "steady on" means the battery is being charged,and will automatically turn of when fully charged.

Note: When the red and the green indicator flashing alternately, it means that the ON/OFF switch is not turned on, please press again. When the emergency function is activated the green and red indicators will go out at the same time.

DIMENSION



Maximum overall length (mm)	4ft
A	1212mm
B	1198mm
C	1138mm
D	28.5mm
E	32.5mm

Emergency LED Tube Light

Installation guide

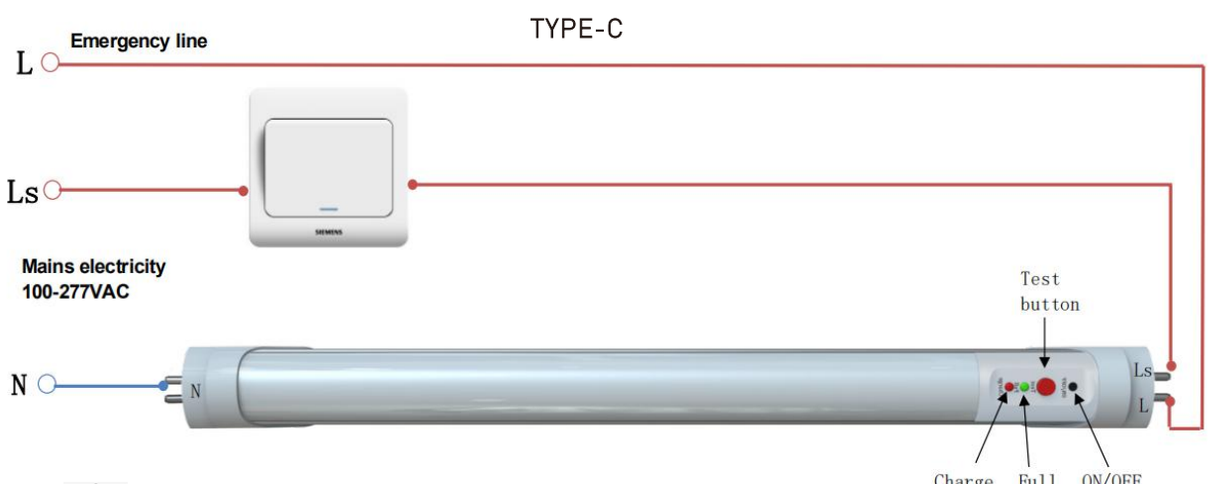
- Before installation, check if the wired input voltage, frequency, etc.are consistent with the product parameters
- Ensure that the input voltage and frequency are within the specified range before installation.
- It should be installed by qualified electricians, and ensure that the power is completely turned off before installation
- When installing, make sure that the "hidden battery switch button" is in the pressed status, and the traffic lights
- When installing, make sure that the "hidden battery switch button" is in the pressed status, and the traffic lights do not flash alternately
- No need for starter and ballast, or please confirm that the above components are disconnected; The lamps connection and installation wiring diagram has two options as TYPE-B and TYPE-C,as shown below
- After installation, please check carefully, and then test it.

Install the wiring diagram

Figure 1. Wiring diagram without a HOT line :

DEFAULT MODE : TYPE-B

Figure 2. Wiring diagram with a HOT line



Precautions

- After installation, please check carefully, and then test it after confirming that it is correct.
- The installation accessories need to be installed firmly.
- After the installation and wiring of the light is completed, the power is tested again to guard against electric shock.
- Please do not open the light and change the electrical structure, Otherwise the damage caused is not covered by the warranty.