



DEEP ROOF LIGHTING INC.

55 Sea Cliff Avenue, Glen Cove, NY 11542

P.O. Box 520191, Flushing, NY 11352

Tel: 516-676-9100, 9101, 9103, 9105, 9106

Fax: 516-676-9109

Web Site: www.deeprooflighting.com

Email: deeproof@aol.com cs@deeprooflighting.com

LED T8 Tubes build in Emergency back-up

ETL DLC



Test button: Press the test button to check the backup function.

When connected with AC power for 8 seconds, press this button, lamp will be in backup status.

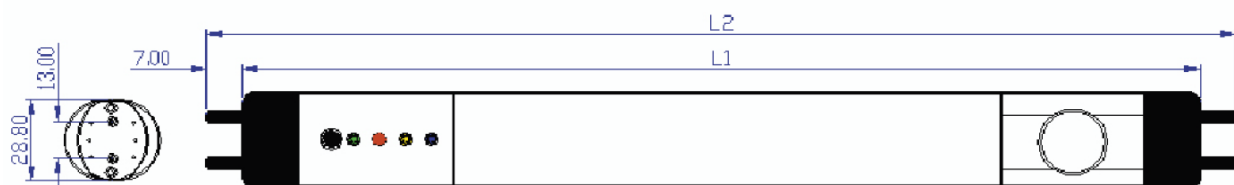
Green lamp on: AC power(AC100-277V)connected.

Red lamp on: Batteries is 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.

Physical Dimensions



Item	0.6m 2ft	0.9m 3ft	1.2m 4ft	1.5m 5ft
L1	587mm	894mm	1198mm	1498mm
L2	601mm	908mm	1212mm	1512mm

Power	Dimmeter	LED Qty	Input	LED Type	Light Output	CRI	PF	Emergency Time(h)	Luminous Efficiency
9W	Φ 28mm	60	AC100-277V	SMD2835	990lm	>80	>0.92	1.5H/3H	>110lm/W
13W	Φ 28mm	84	AC100-277V	SMD2835	1430lm	>80	>0.92	1.5H/3H	>110lm/W
18W	Φ 28mm	120	AC100-277V	SMD2835	1980lm	>80	>0.92	1.5H/3H	>110lm/W
22W	Φ 28mm	144	AC100-277V	SMD2835	2420lm	>80	>0.92	1.5H/3H	>110lm/W

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

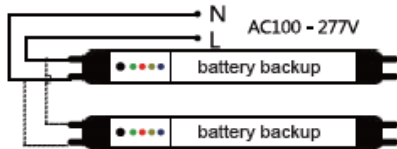
Description

1. Multifunctional: normal lamps, battery backup tube and sensor(microwave or PIR sensor) in one tube.
2. Test button and indicator lamps: professional and safe with fire protection standard.
3. Internal isolated drivers and batteries solution: easy to install and save cost.
4. Built-in lithium batteries: over-charging and over-discharging protection. Ensure the life time of batteries(800 times charging and discharging).
5. Accept disconnecting AC power or pressing test button to inspect the battery backup function.
6. G13 end cap and integrated type are optional.

Choice I - Version P, Plug and Play, No special care on installation See below for operation notes

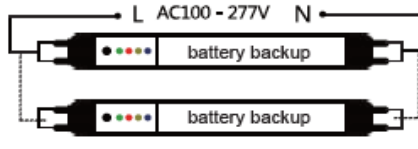
Option 1:

Single side input-Installation for rewiring



Option 2:

Double sides input-Installation for rewiring



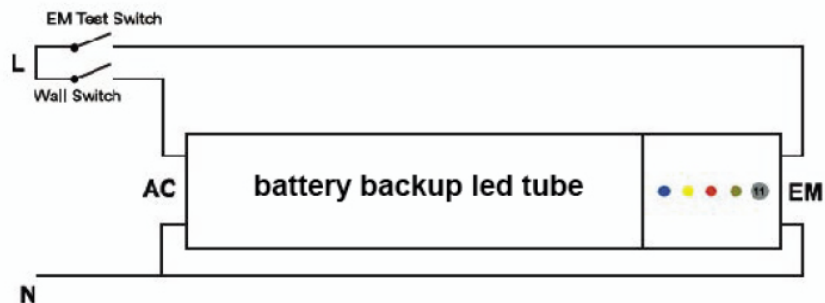
• Suggestion

Need to tap switch twice
 Separate switch
 from other lights

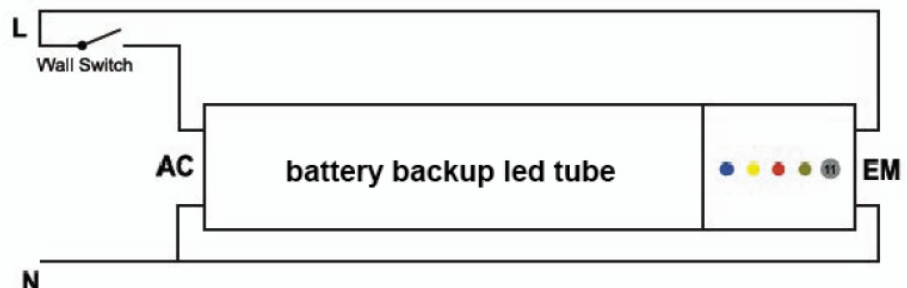
• Please turn off main power before rewiring and installation

Choice 2 - Version S, Professional wiring required

Option 1: Wiring for Having backup Test Switch



Option 2: Wiring for Without backup Test Switch



- Good to combine with other lights on the same switch.
- No special requirement in operation, Except for EM testing

ITEM CODES

P Version, Two side wiring (as shown on option 2)

LT8-W209-A(30/40/50)-EM1	2 feet 9 watts 990 lumen 3000/4000/5000K, EM 1.5Hr,
LT8-W418-A(30/40/50)-EM1	4 feet 18 watts 1980 lumen 3000/4000/5000K, EM 1.5 Hr,
LT8-W209-A(30/40/50)-EM1-MS	2 feet 9 watts 990 lumen 3K/4K/5K, EM 1.5Hr, Micr Sensr
LT8-W418-A(30/40/50)-EM1-MS	4 feet 18 watts 1980 lumen 3K/4K/5K, EM 1.5 Hr, Micr Ss

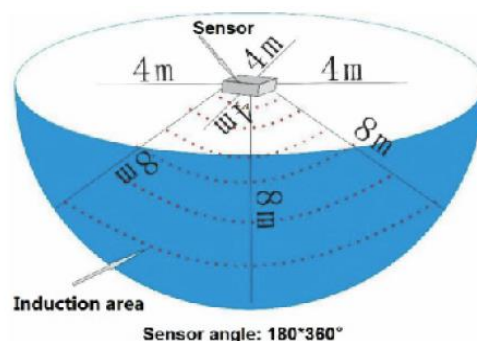
S Version

LT8-W209-A(30/40/50)-EM1-S	2 feet 9 watts 990 lumen 3000/4000/5000K, EM 1.5Hr,
LT8-W418-A(30/40/50)-EM1-S	4 feet 18 watts 1980 lumen 3000/4000/5000K, EM 1.5 Hr,
LT8-W209-A(30/40/50)-EM1-MS-S	2 feet 9 watts 990 lumen 3K/4K/5K, EM 1.5Hr, Micr Sensr
LT8-W418-A(30/40/50)-EM1-MS-S	4 feet 18 watts 1980 lumen 3K/4K/5K, EM 1.5 Hr, Micr Ss



● Microwave sensor or PIR sensor specifications

- (1) Detecting time: 60s
- (2) Detecting distance: 5 - 8m
- (3) Microwave sensor: detecting by object movement
- (4) PIR sensor: detecting by body temperature





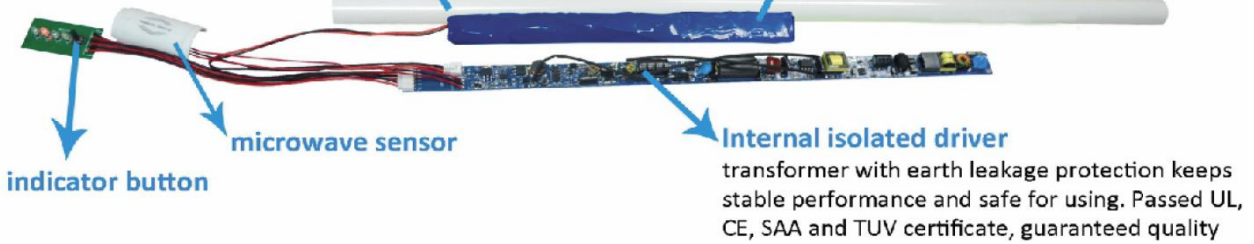
Battery Parameter

Fire - resisting sleeves

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

Battery capacity

longer life time, green and over 800times charging-discharging

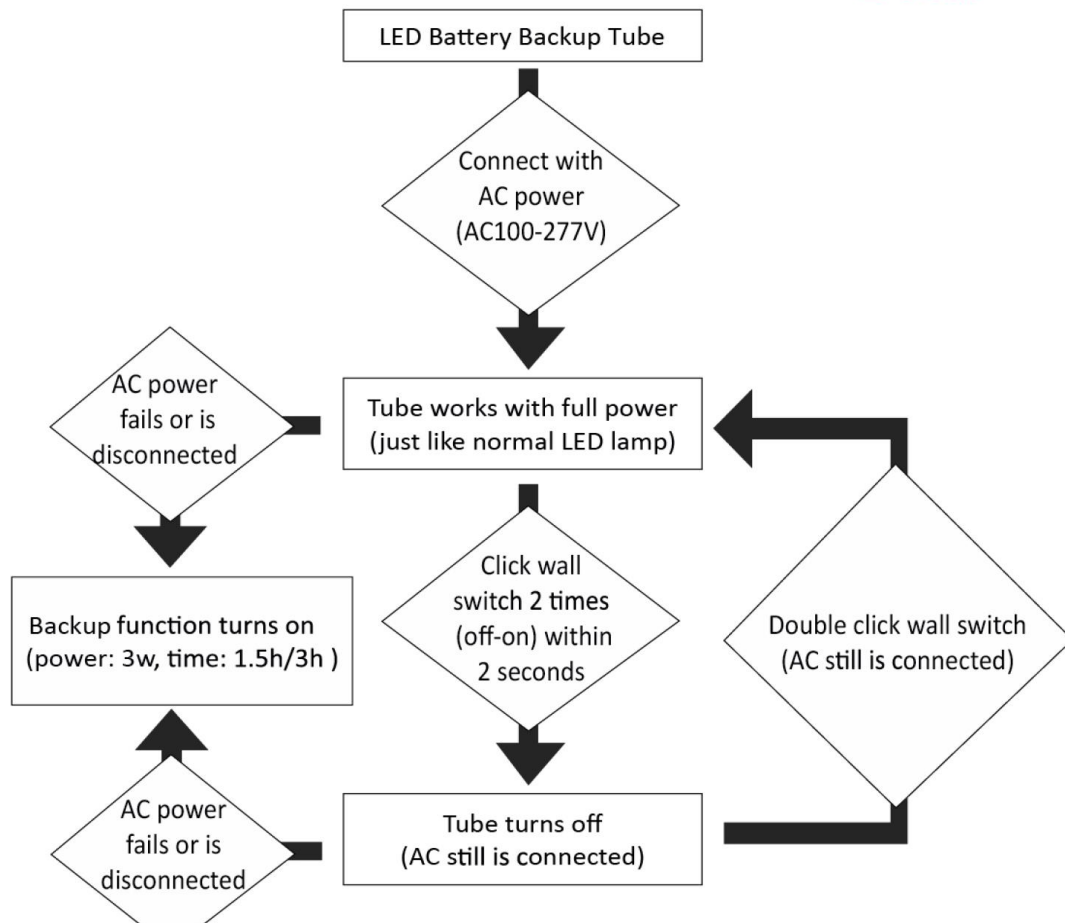


Battery Capacity	Dimension	Voltage	Discharging temperature	Charging temperature	Charge - discharge times
650mAh	250*21*9mm	12V	0℃-60℃	0℃-45℃	800times
1000mAh	250*20*11mm				

P Version, Plug and play

● Work flow:

Remark: ◇ Operation
□ Status



Attention:

- (1) Before testing and using, battery should be charged correctly.
- (2) Prohibit direct welding on battery avoiding high temperature affecting the performance of the battery.
- (3) Batteries should be stored in dry and cool places and are used on specified temperature.
- (4) Prohibit irrational using batteries (short circuit, over-charging, reverse - charging etc). Irrational using batteries will affect their life time.
- (5) Prohibit putting batteries on fire or disassemble batteries to avoid safety accident.
- (6) Tube need 8 seconds to finishing start of all the indicators, so it is better to press the test button after connected with AC power for 8 seconds.

Manual of battery backup tube

- Please read this manual carefully before installing battery backup tube.

WARNING:

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)

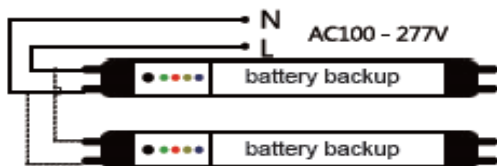
Charging temperature: 0°C (32°F) to 45 °C (113°F)

Installation instruction:

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

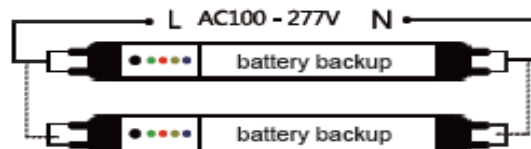
Option 1:

Single side input-Installation for rewiring



Option 2:

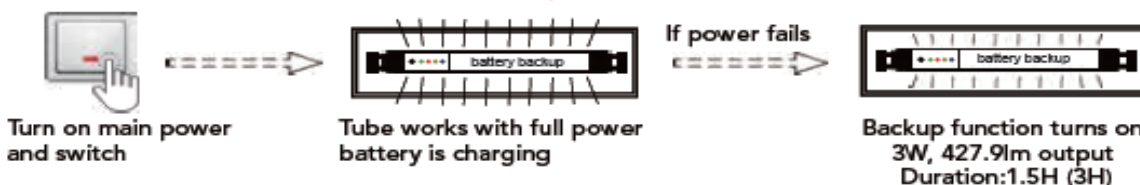
Double sides input-Installation for rewiring



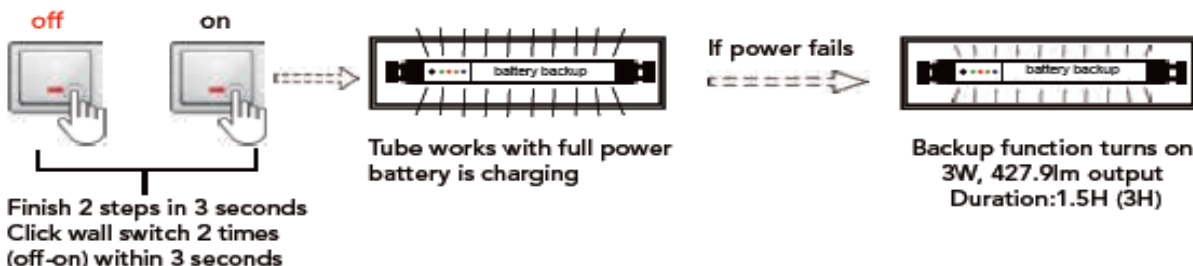
- Please turn off main power before rewiring and installation

Operation:

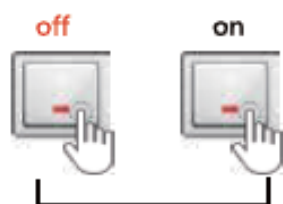
Start (First time connected with AC power)



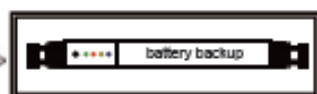
Turn on



Turn off

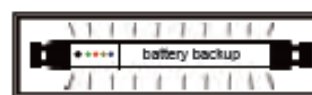


Finish 2 steps in 3 seconds
Click wall switch 2 times
(off-on) within 3 seconds



Tube doesn't turn on
battery is charging

If power fails

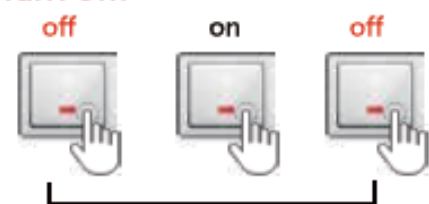


Backup function turns on
3W, 427.9lm output
Duration:1.5H (3H)

Turn off and Turn on Backup function

Option 1:

Turn off:



finish 3 steps in 2 seconds
Click the wall switch 3 times
(off-on-off) within 2 seconds.



Backup function turns off

Turn on: as long as battery backup tube is connected with AC power, click the wall switch, Backup function turns on.

Option 2:

Turn off:

When Backup function turns on,
press Test button 3 times within 2
seconds, Backup function turns off

Turn on:

When Backup function turns off,
press Test button 3 times within 2
seconds, Backup function turns on.



Test Button

Main Power

Charging

Malfunction

Sensor

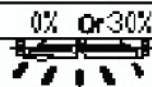
Test button : Press test button, tube will enter battery backup status

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



- ① Tube remains 0W or 3W, when sensor is not triggered by objects or human.



- ② Tube works with full power, when triggered by objects or human.



- ③ After leaving the induction area for 60 seconds, tube will remain 0W or 3W again.

