

## Installation Instructions: (09088 & 09089)

### Specification

1. Input Voltage: AC220-240V 50/60Hz
2. Wattage: 2x5W
3. Power factor:0.75PF, supply current:18mA
4. Lumens: 550lm.
5. Battery installed or replaced: LiFePO4 3.2V 6000mAh
6. Operating environmental temp: 0° to 35°C
7. Recharge time: 24 hours.
8. Emergency duration: more than 3 hours.

### Important Information



**We recommend that luminaires are installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations BS7671:2018 & local building control.**

- All tests should be carried out in accordance to EN 50172:2004.
- BELL will not accept responsibility for any claims arising from a poor installation.
- The light source of this luminaire is not replaceable: when the light source reaches end of life, the whole luminaire must be replaced.

### Important User Advice

- Ensure that there is adequate free air ventilation around the fitting.
- Always switch off mains supply before installing.


This product may contain substances that can be hazardous to the environment if not disposed of properly. Electrical and electronic equipment should never be disposed of with general household waste but must be separated for its correct treatment and recovery.

Where possible recycle your packaging.  

**Read these instructions before installation and retain for future reference** 

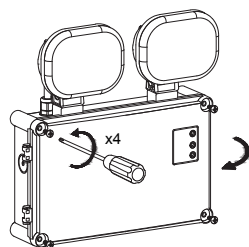
**This equipment should be installed by a competent electrician**

### Installation:

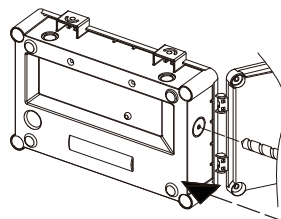
1. Connect mains supply wiring as follows.
2. Power & battery wires should be connected. 
3. Switch on 220-240V AC supply and check that the green LED indicator illuminates to confirm charging of batteries.
4. Allow a short period for part charging of the batteries and then isolate the mains supply to the fitting in order to check the correct operation of the fitting in emergency mode. When the first use, after a continuous charge for 36 hours, a mains failure should be simulated to ensure that the fitting work for its specified time(only at a safe & appropriate time). The fitting will be fully charged with in 24hours.

**Conducting additional manual tests of self-test fittings may significantly reduce battery life**

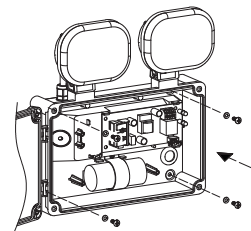
#### ① Unscrew the four screws



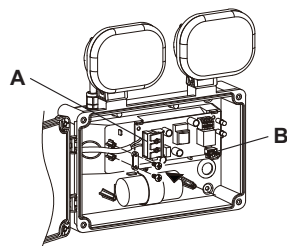
#### ② Drill the 20mm cable entry



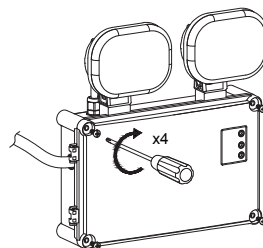
#### ③ Drill the fixing holes



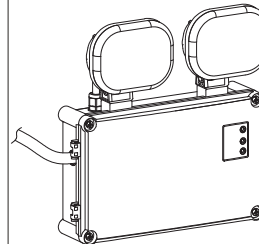
#### ④ A:Connect to the mains supply B:Connect the battery



#### ⑤ Refasten the cover



#### ⑥ Switch on and check the normal operation



### Self-Test

Self-Test fittings perform a self-commissioning test at first power on. After charging for 24 hours a full duration test (3 hours) is performed. Initial function and duration tests are randomly generated. They are then performed in accordance with standard requirements (every 30 days for function tests and every 52 weeks for duration tests).

A single bi-colour indicator LED is fitted in all Self-Test products. This LED is clearly visible for manual inspection. It indicates the module status. The LED shows permanent green or flashing green when conditions are normal and flashing red if a fault condition is present

### Function test

A function test is a 2 minutes test that simulates a mains failure and checks the operation of the emergency light source from the battery supply.

The local indicator LED slow flashes green whilst the 2 minutes function test is in progress.

If there is a failure during a function test the local indicator LED changes to a flashing red.

### Duration test

A duration test simulates a mains failure. It also checks the operation of the emergency light source from the battery supply for the rated duration of the module.

The local indicator LED fast flashes green whilst the duration test is in progress.

If there is a failure during a duration test the local indicator LED either changes to flashing red. The battery is required to be fully charged before a duration test can be started.

**Technical Helpline +44 (0)1924 893380**

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The test button of the unit has the following functions:

Test Button	Green LED	Status
Press for approx 1 Second	Off	Emergency mode for 1 second
Press for approx 5 Seconds	Slow flash	Function for 30 seconds
Press for approx 7 Seconds	Fast Flash	3 Hour duration test
Press for approx 10 Seconds		End the duration test

Please refer to following chart below for more complete description/fault indication: **09088 Only**

Test Button	Green LED	Status
Green solid	Mains on / No fault	
Green flash	Slow flash	Function for 2 minutes
	Fast flash	3 hour duration test
Red flash	1 Flash cycle	Battery fault
	2 Flash cycle	Lamp fault
	3 Flash cycle	Duration test fault

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