

# Installation Instructions: 09066V2

Date	Revision
1.3.2024	1

**Read these instructions before installation and retain for future reference**  
**This equipment should be installed by a competent electrician**



## 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 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

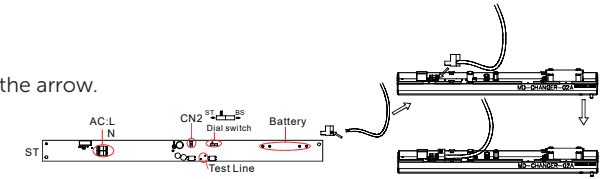
- The ambient room temperature should not exceed 35°C.
- Ensure that there is adequate free air ventilation around the fitting.
- Always switch off mains supply before installing.

## Specification

- Supply Voltage: 220-240VAC 50/60Hz
- Ambient Room Temperature: 0 to 35°C
- Insulation Class: II
- Ingress Protection: IP20
- 6 in 1 installation modes
- Dimensions (LxDxW): 262x173x26mm
- Battery Recharge Time: 24 hours
- Wattage: 1W
- Emergency duration: more than 3 hours
- Battery installed: LiFePO4 3.2V 600mAh
- Visual Distance: 25m
- Deep Discharge Protection DDP
- Maintained or Non-maintained Operation

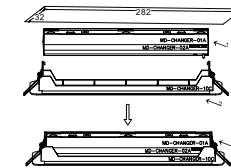
## Installation

- Ensure the AC supply is switched off.
- Separate the base from the LED head.
- Insert AC supply wires into the connector, as shown by the arrow.
- Insert the plug with the AC supply wires into the socket on the LED head as shown by the arrow.
- Select the product mode using the Dial Switch (ST/BS).
- Push the switch to the left to switch the product mode to Self-test mode (ST).
- Push the switch to the right to switch the product mode to Basic (Manual) mode (BS).
- For Maintained operation, ensure then shorting plug is connected to the CN2 connector.
- For Non-maintained operation, remove the shorting plug from the CN2 connector.
- Insert the battery ensuring correct polarity.



## Recess Mounted

- Once the AC supply plug is connected, push together the base and LED head.
- Clip the base/LED head into the recess unit.
- Push the recess unit clips upwards and insert into the ceiling, hole size 282x32mm



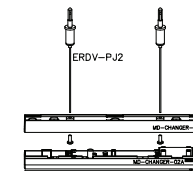
## Ceiling Mounted

- Using the wall plugs and screws provided, affix the base to the ceiling.
- Once the AC supply plug is connected, push the LED head into the base.



## Suspension Mounted

- Slide the suspension cables into the base.
- Using the wall plugs and screws provided, affix the suspension cables to the ceiling.
- Once the AC supply plug is connected, push the LED head into the base.

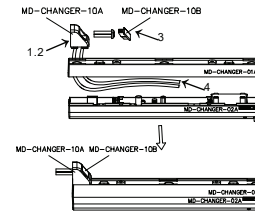


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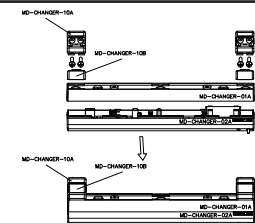
### Perpendicular Mounted

- Slide the triangular wall mount onto one end of the base.
- Feed the AC supply wires through the wall mount, and using the wall plugs and screws provided, affix the mount to the wall.
- Once the AC supply plug is connected, push the LED head into the base.



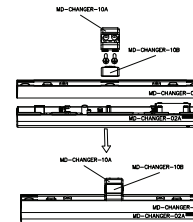
### Parallel Mounted

- Slide the triangular wall mounts onto both ends of the base.
- Using the wall plugs and screws provided, affix the mounts to the wall.
- Once the AC supply plug is connected, push the LED head into the base.



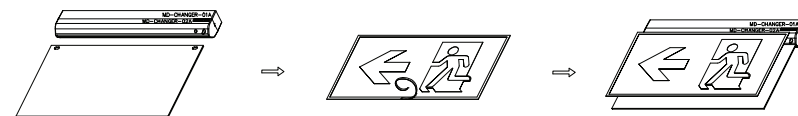
### Wall Mounted

- Slide the triangular wall mount onto the centre of the base.
- Using the wall plugs and screws provided, affix the mount to the wall.
- Once the AC supply plug is connected, push the LED head into the base.



### Light Guide Mounting

- Slide the light guide plate into the LED head.
- Remove the protective film from the PET directional film.
- Adhere the PET directional film onto the light guide plate.



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### Functionality of the test switch

- A short press (1s) on the button starts a function test lasting 5 seconds.
- Holding down the button (>10s) resets the timer (System reset)

### Functional test – Self-test Mode

- The functional test lasts for 5 seconds and occurs every 7 days, to check the functionality of the emergency unit, the batteries and LED module.

### Duration test – Self-test Mode

- 24 hours after installation, a 3-hour duration test is performed.
- 3 hour duration tests are performed every 180 - 182 days to check the battery capacity.
- The indicator will be slow flashing Green for 5 days once the duration test has been carried out successfully.

### Indicator LED System status is by the bi-colour indicator LED.

LED Indication	Status	Description
Permanent <b>Green</b>	Standby, System OK	Mains operation, battery is charged
Fast flashing <b>Green</b> (0.25s on 0.25s off)	Function test underway	Function test underway
Slow flashing <b>Green</b> (1s on 1s off)	Duration test underway	Duration test underway
Permanent <b>Red</b>	Lamp failure	Open Circuit or Short circuit or LED failure
Fast flashing <b>Red</b> (0.25s on 0.25s off)	Battery capacity failure	Battery failed duration test
Slow flashing <b>Red</b> (1s on 1s off)	Battery fault	Incorrect battery voltage or Short circuit or OpenCircuit
Green and <b>Red</b> off	Battery Operation	Emergency mode: Mains disconnected or Mains failure

### Please note:

- Fault status: If an error is detected, the indicator LED switches to **RED**. Once the error has been corrected, after re-connecting the battery with the mains power disconnected, the indicator LED will switch back to **GREEN** when mains power is re-applied.
- Battery failed duration test: After an exchange of the battery and holding down the button (>10S) to reset the timer, the indicator LED will switch to **GREEN**
- Always select the desired test mode before applying the power. Do not switch test mode whilst the luminaire is powered.
- If Self-test mode is selected, additional Manual tests are not required and if performed, will cause premature failure of the battery.

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.

