

Battery Replacement

If after routine operation check, the lamp does not remain lit for the three hour period, a new battery pack may be required.

- Switch off the electricity at the mains, both switched and permanent supply.
- Allow battery to fully discharge then reconnect to supply and allow to charge for 24 hours.
- Test again for 3 hours, if light does not remain lit change the battery pack as follows:
 - Disconnect from the mains supply both permanent and switched supply.
 - Unplug the battery male and female plugs from the EM conversion.
 - Remove the battery pack. Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.
 - **Replace the battery with a LiFePO4 6.4V 1500mA, 9.6Wh only.**
Use of a different type of battery will damage the product.
 - Write current date on the new battery pack.
 - Plug battery pack to EM conversion by male and female plugs.
 - Restore power and allow to charge for 24 hours.
 - Perform full operation check and update test record.

Technical data

Rated input voltage: 220-240V~, 50/60Hz

Input current: <30mA

Input power: 3W Max

Power factor: >0.5

Terminal L-in / L-out(LED driver input constant): AC 0.5A Max

Output voltage range: DC9-80V

Max output current: 100mA

Output power(constant): 2W Max

Battery cells voltage/capacity: LiFePO4 6.4V 1500mA, 9.6Wh

Recharge current: 30-70mA

Recharge time: 24hours

Discharge time: 180minutes

Lumen factor: 140lm/W

Max.casing temperature tc: 70°C

Battery warranty: 2 years

Operating Temperature: 0°C - 45°C

Maximum Operatin Humidity: 10-90%

Change over Time: Approximately 1s



Conformity with all relevant UKCA Directive requirements.



Conformity with all relevant EC Directive requirements.



The power supply is Double Insulated and does not require connection to an Earth circuit.



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.



This product is for indoor use only.

Care and Safety

Live Voltages may be present in this unit even when turned off or when completely disconnected.

We recommend cleaning with a soft dry cloth. Do not use solvents or abrasive cleaners as these could damage the finish.

For your safety, always switch off the power supply before cleaning.

V1 16/10/2023

UK Manufacturer: BH17 7BY

EU Manufacturer: Brilliant AG,

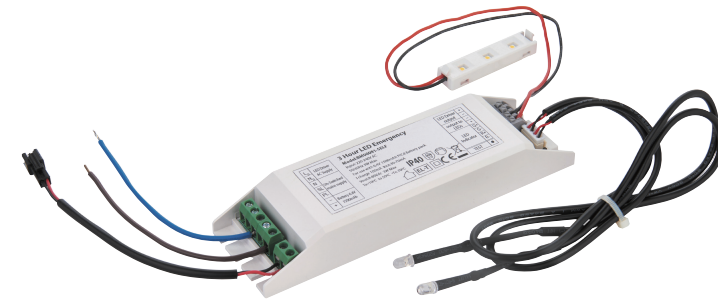
Brilliantstrasse 1, D-27442 Gnarrenburg

saxby
lighting

Instruction manual

EM Conversion Self Test Kit

101339



Accessories (Included)



Battery Pack



Holder for indicator




Cable with male and female plug

www.saxbylighting.com

saxby
lighting

Thank you for purchasing this accessory. Please read the instructions carefully before use to ensure safe and satisfactory operation of this product. Please retain these instructions for future reference.

Warning

 This light fitting is double insulated and does not require connection to an Earth circuit.

Please read these instructions carefully before commencing any work

This Emergency pack must be fitted by a competent and qualified electrician.

Install in accordance with the IEE Wiring regulations and current Building Regulations.

These products are designed for connection to a 220-240V~50Hz supply.

Check the pack and make sure you have all the parts listed.

To prevent electrocution switch off at the mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electrical supply without your knowledge. If you are in any doubt, please consult a qualified electrician.

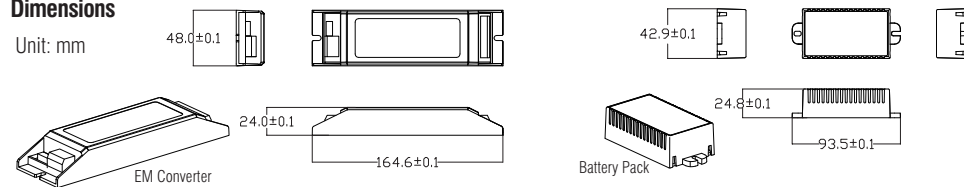
This Emergency pack is suitable for indoor use only.

If replacing an existing fitting, make a careful note of the connections.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

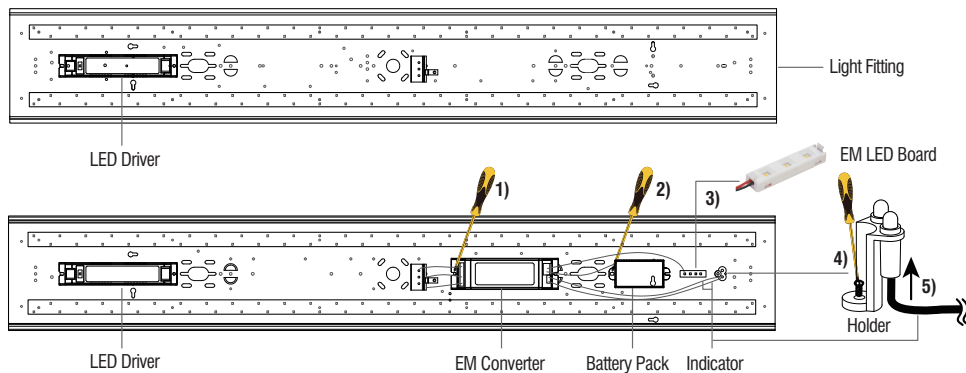
Dimensions

Unit: mm

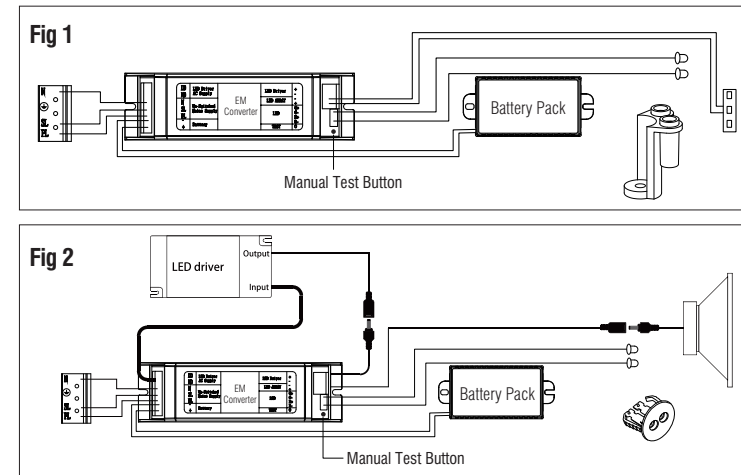


Installation For DualLED---101336, 101338

- Get ready the LED light fitting and the EM kit.
- Undo two screws at the end of the LED light fitting to separate the diffuser cover from the rear panel. More details please refer to the manual of LED light fitting.
- Secure the EM converter to the light fitting with 2 screws.
- Secure the Battery Pack to the light fitting with 2 screws.
- Paste the LED board to the light fitting.
- Secure the LED holder to the light fitting with the screw.
- Insert the indicator into the holder from bottom to top to secure it.
- Wire as per the wiring diagram **Fig 1**.
- Re-close diffuser cover it into place. More details please refer to the manual of LED light fitting.



Wiring diagram



Check that...

- You have correctly identified the wires.
- The connections are tight.
- No loose strands have been left out of the connection block.

Please note: For manual testing purposes a provision is made inside the cover of the low voltage side of the driver (**Fig.1**) marked as Test on the casing. See below for details on manual testing.

Turn on the power and ensure that the module is showing charge indicator.

This fitting requires a minimum 24 hours initial charge period prior to any manual emergency testing.

All full duration tests should be where possible be undertaken at times of low risk adjacent emergency luminaires we recommend that you you reset the inbuilt timer or run a manual 30 days test to stagger testing times. Once commissioned fill in the date of the first test/install date this will allow the end user to monitor and record subsequent test information on the supplied report. All tests with the exception of the visual inspection will be completed automatically including battery charge condition and lamp status.

Daily:

The product has self testing function. Visual inspection of the battery charge LED as below:

Automatic Monthly (Every 30 Days): (in addition to the daily check) The results of the short duration test shall be recorded.

Automatic Annually (Every 180 Days): (in addition to the daily check) The results of the full duration tests shall be recorded.

Performance Indicators:	
Normal Operation	Red LED off, Green LED Solid
Automatic 30 Days Test	Red LED off, Green LED flashing once a second
Automatic 180 Days Test	Red LED off, Green LED flashing twice a second
Manual Simulated Power Failure	Red LED off, Green LED off
Manual 30 Days Test	Red LED off, Green LED flashing once a second
Manual 180 Days Test	Red LED off, Green LED flashing twice a second
Manual Fast Test (24 minutes)	Red LED off, Green LED four times a second
Manual Testing - Can only be completed under mains conditions	
Manual Simulated Power Failure	Hold test button until you hear 1 beep
Manual 30 Days Test	Hold test button until you hear 2 beeps
Manual 180 Days Test	Hold test button until you hear 3 beeps
Manual Fast Test (24 minutes)	Hold test button until you hear 4 beeps
Abort Test	Hold the test button for 15 seconds, when you hear the long sound, the self-test function will restore the defaults
Fault Indicators:	
Battery/Charging Fault	Red LED flashing once a second, Green LED off, Beeps twice every minute until fault rectified
Lamp Fault	Red LED flashing twice a second, Green LED off, Beeps twice every minute until fault rectified
Failed Duration Test	Red LED solid, Green LED off, Beeps twice every minute until fault rectified