

Part numbers:

LEDBAT5EM & LEDBAT6EM

High Power Versions

LEDBAT5HEM & LEDBAT6HEM

IMPORTANT INFORMATION

It is recommended that luminaires are installed and fitted by a qualified electrician ensuring the installation complies to the current IET wiring regulation.

This product is designed for connection to a 230V AC Mains supply.

This unit is suitable for indoor use only.

This product is suitable for installation on surfaces with normal flammability e.g wood, plasterboard and masonry. It is not suitable for use on highly flammable surfaces (e.g polystyrene, textiles).

Fitting has a choice of mounting holes including holes suitable for BESA mount.

When installing ensure correct fixings are used for installation position i.e. ceilings or wall.

Do not stare directly in to the light fitting.

INSTALLATION INSTRUCTIONS

1. Choose location of your new fitting.
2. Remove the end caps and detach the diffuser / LED tray by pinching in the main housing.
3. Unclip the gear tray retaining straps, disconnect the driver plug and socket by twisting and pulling and detach the earth spade, set aside the LED tray.
4. Using the back of the fitting as a template, mark the location of the fixing holes on your mounting surface.
5. Feed the supply cable through the grommet hole in the back of the fitting or through a plastic 20mm cable gland attached to the end cap of the fitting which has a knock out provided.
6. Secure the fitting in place using suitable fixings.
7. Connect the supply to the terminals as below: -

Class I: This product must be earthed.

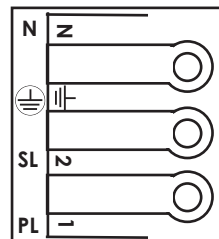
Terminal (SL): This is the switched live supply and can be used to illuminate the lamp either via a separate switched LIVE or by using a link wire between PL and SL for permanent illumination.

Terminal (PL): This is the live supply to the charging circuit and must be permanent and unswitched.
Connect this only for non-maintained lights (SL not required).

Terminal (E): This is for the earth and must be connected.

Terminal (N): This is the neutral supply and must be permanent.

Colour code: Brown=Live Blue=Neutral Green/Yellow=Earth
Conductor Size 1.0mm² - 2.5mm² Solid or Stranded.
Ensure that no strands of bare wire have escaped the terminals.



Note: Before replacing gear tray connect the battery.

8. Clip the gear tray retaining straps back to the LED tray, re-connect the driver plug to the LED connector and re-attach the earth spade.
9. Attach the LED tray by sitting one side of the diffuser to the main housing before securing the other side in place. Replace end caps.
10. Restore power and switch on.

COMMISSIONING & TESTING

- Switch on the mains supply and check to ensure that the green LED battery charging indicator is illuminated.
- Allow a brief time for initial partial charging and then isolate the permanent live supply by removing the fuse from the fused spur box. Check to ensure the lamp is then illuminated from the battery cell pack supply, replace fuse.
- After a further 60 hours on a continuous charge, and only at a safe and appropriate time, mains failure should be simulated to ensure that full duration rating is achieved. Thereafter the re-charge time is 24 hours.

MAINTENANCE

- Servicing should only be carried out after the luminaire has been made electrically safe.
- Cleaning should be carried out at regular intervals to ensure that dirt does not accumulate to an extent that will impair the electrical and / or thermal safety of the luminaire. Regular cleaning will also ensure that the optical performance is maintained.
- Battery packs should be replaced when the luminaire fails to meet its rated duration.
- The disposal of components from the luminaire may require consultation with local authorities. The disposal of batteries is subject to Local Authority Regulations, and the By-Laws Department for disposal of toxic waste should be consulted for specific guidance. Battery cell packs must not be incinerated.
- Do not dispose with household waste, subject to conditions in the WEEE directive.

ROUTINE INSPECTION & TEST PROCEDURE

All tests should be undertaken during daylight hours at times of minimum risk and be in accordance with the recommendations of BS 5266 Part 1.

DAILY - Check that the green LED battery charging indicator is illuminated and every lamp in a maintained system is functioning correctly.

MONTHLY - In addition to the daily check, a functional test through simulation of mains supply failure should be carried out to confirm lamp is illuminated from the battery cell pack supply. This test need only be for approximately 30 seconds. It should not exceed one quarter of the rated luminaire duration.

SIX MONTHLY - In addition to the monthly test, the lamp should be illuminated from the battery cell pack supply for a continuous period of at least one hour.

THREE YEARLY - In addition to the monthly tests the lamp should be illuminated from the battery cell pack supply for the full rated duration of the luminaire(three hours).

ANNUALLY THEREAFTER - As above, i.e, check that the luminaire operates for the full rated duration.

At the end of each test period the mains supply should be restored and a check made to ensure the green LED battery charging indicator is illuminated.

Battery cell packs should be replaced once the rated duration can no longer be met.

EMERGENCY RECESSED LIGHT TEST RECORD SHEET

LUMINAIRE TYPE/REF: _____

DATE OF INSTALLATION: _____

LOCATION: _____

1st Year 2nd Year 3rd Year 4th Year 5th Year

<i>Month</i>	<i>Test</i>	<i>Signed Date</i>	<i>Signed Date</i>	<i>Signed Date</i>	<i>Signed Date</i>	<i>Signed Date</i>
1	FUNCTIONAL					
2	FUNCTIONAL					
3	FUNCTIONAL					
4	FUNCTIONAL					
5	FUNCTIONAL					
6	FUNCTIONAL					
7	FUNCTIONAL					
8	FUNCTIONAL					
9	FUNCTIONAL					
10	FUNCTIONAL					
11	FUNCTIONAL					
12	THREE HOUR					
	FUNCTIONAL					

TECHNICAL INFORMATION

Driver Input Voltage:	230V~50Hz
Ballast Type:	LED driver
IP Rating:	IP20
Class Type:	1
Colour Temperature:	4,000K
CRI:	>80
Beam Angle:	120°
Operating Temperature:	-15°C - +50°C
Life Span:	30,000 hours
Battery Type:	Ni-Cd, 6V, 3,000mAh
Emergency Duration:	More than 3 hours
Conforms to:	BS EN60598

LEDBAT5EM - 5ft

Wattage:	24W
Lumens Output:	2,400, 100 lm/W
Weight:	1806g
Dimensions:	L1485 x W53 x H64mm

LEDBAT5HEM - 5ft

Wattage:	48W
Lumens Output:	3,400, 83 lm/W
Weight:	1866g
Dimensions:	L1485 x W53 x H64mm

LEDBAT6EM - 6ft

Wattage:	32W
Lumens Output:	4,000, 106 lm/W
Weight:	2069g
Dimensions:	L1758 x W53 x H64mm

LEDBAT6HEM - 6ft

Wattage:	64W
Lumens Output:	5200, 81 lm/W
Weight:	2127g
Dimensions:	L1758 x W53 x H64mm

GUARANTEE

*Your GreenBrook LED Emergency Batten
is guaranteed for 3 years from the
date of purchase.*

This is in addition to your statutory rights.

PLEASE KEEP THESE INSTRUCTIONS SAFE FOR FUTURE REFERENCE



EMC



CE

**GREEN
BROOK**
ELECTRICAL
WEST ROAD . HARLOW
ESSEX . CM20 2BG . UK
info@greenbrook.co.uk
www.greenbrook.co.uk