



INSTALLATION & MAINTENANCE MANUAL

**BATS4EM / BATS5EM / BATS5EMH  
BATS6EM / BATS6EMH / BATS5UHLEM  
BATS6UHLEM**

## GENERAL INSTRUCTIONS

**These instructions should be read carefully and retained after installation by the end user for future reference and maintenance.**

**These instructions should be used to aid installation of the following products:  
BATS4EM / BATS5EM / BATS5EMH / BATS6EM / BATS6EMH / BATS5UHLEM  
/ BATS6UHLEM**

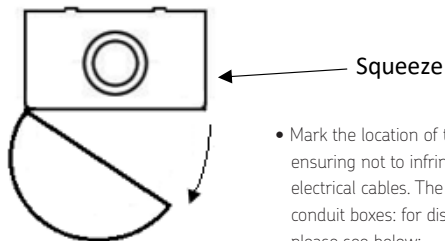
## SAFETY

- This product must be installed in accordance with the latest edition of the IEE Wiring Regulations (BS7671) and current Building Regulations. If in any doubt, consult a qualified electrician
- Please isolate mains prior to installation or maintenance
- Check the total load on the circuit (including when this luminaire is fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- Please note the IP (Ingress Protection) rating of this luminaire when deciding the location for installation
- This product is for indoor use only
- This product is Class I and must be earthed
- This product series is IP20 rated

## INSTALLATION

Note - If this luminaire is being used in conjunction with an external PIR or sensor, please confirm with the manufacturer of the sensors that they are compatible with LED luminaires.

- Provide power to the required point of installation (refer to BS7671 for correct cabling methods)
- Squeeze the sides and hinge the diffuser away from the fitting (see Fig. 1)

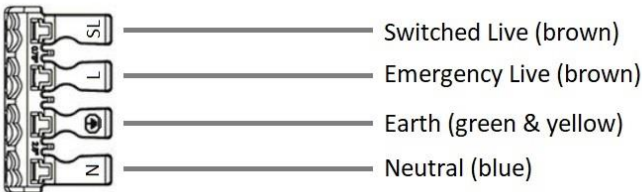


**Fig. 1**

- Mark the location of the fixing holes and drill the holes ensuring not to infringe with any gas/water pipes or electrical cables. The fitting can also be mounted over conduit boxes: for distance between fixing centres please see below:

Part Code	Distance (mm)
BATS4EM	600
BATS5EM / BATS5EMH / BATS5UHLEM	600
BATS6EM / BATS6EMH / BATS6UHLEM	600

- Ensuring correct polarity is observed, carefully wire as shown in Fig. 2. Two cables can be inserted into the push-fit terminal block in order to achieve loop-in / loop-out wiring



**Fig. 2**

- Connect the battery to the inverter
- Switch on and check for correct operation ensuring that the green LED indicator is illuminated
- We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test

Note - This fitting shuts off power to the Lithium Ion battery periodically to prevent overcharging. Therefore, the green LED indicator has been set up to indicate that the emergency inverter is in good condition, not to indicate that the battery is charging. The installer must ensure that the battery is connected.

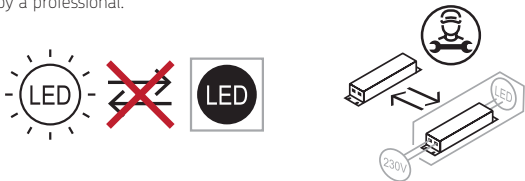
## WARNING

This luminaire must be disconnected from the circuit if subjected to any high voltage or insulation resistance testing. Irreparable damage will occur if this instruction is not followed.

## GENERAL

This product contains a light source of energy efficiency class E (BATSxEM, BATSxEMH) / D (BATSxUHLEM) to Regulation (EU) No. 2019/2015.

This product contains a non-replaceable LED light source and a control gear which can be replaced by a professional.



Clean with a soft dry cloth only, do not use aggressive cleaning products or solvents which may damage the product.

This product is non-dimmable

This product should be dismantled for disposal when it reaches the end of its life. Please see website for dismantling instructions.

This product should be recycled in the correct manner when it reaches the end of its life.

Check local authorities for where facilities exist.

The batteries in this luminaire are Lithium Ion and must be disposed of correctly. Please contact the local authorities for the disposal of this toxic waste.

## WARRANTY

This product has a warranty of 5 years (excluding battery) from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations (BS7671), improper use, or removal of the batch code will invalidate the warranty. If this product should fail within its warranty period, it should be returned to the place of purchase for a free of charge replacement. ML Accessories does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. ML Accessories reserve the right to alter product specification without prior notice.

## TESTING FOR EMERGENCY LUMINAIRES

Recommended routine test procedure in accordance with BS5266

- Daily check – check LED charge indicator is illuminated
  - Monthly functional test - simulate a mains supply failure for approx. 30 seconds by operation of a key switch or switching off the circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
  - Annual three-hour duration test - simulate a mains supply failure for three-hour continuous test by operation of a key switch or switching off the circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated
  - If the luminaire fails any of the above tests, please contact a qualified electrician.
- See below for test record sheet

## TEST RECORD SHEET

INITIAL COMMISSIONING 3 HOUR TEST		SIGNED				DATE					
MONTH	TEST	FIRST YEAR		SECOND YEAR		THIRD YEAR		FOURTH YEAR		FIFTH YEAR	
		SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE	SIGNED	DATE
1	FUNCTIONAL										
2	FUNCTIONAL										
3	FUNCTIONAL										
4	FUNCTIONAL										
5	FUNCTIONAL										
6	FUNCTIONAL										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	3 HOUR										

Installed by:

Installation date:

Contact number:

INTERNATIONAL  
CONTACT DETAILS



230V  
50Hz

IP20



-20~  
50°C  
TA

**ML**  
ACCESSORIES LTD



**UK  
CA** **CE**



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