

INSTALLATION & MAINTENANCE MANUAL EMPOWERST



230V
50Hz



ML
ACCESSORIES LTD



CE



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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 product:
EMPOWERST**

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 product when deciding the location for installation
- Allow 50mm above and around the fitting for air dissipation (do not cover the fitting with insulation)
- This product is Class II double insulated
- This product is IP20 rated

INSTALLATION

- Provide power to the required point of installation
- Cut a suitable hole in the mounting surface as per the cut-out details (see Fig. 1) ensuring not to infringe with any joists, gas / water pipes or electrical cables

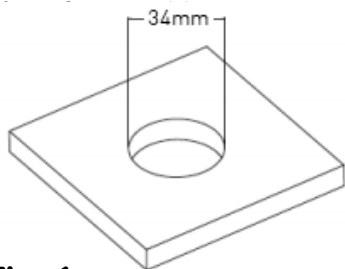


Fig. 1

- Connect the luminaire to the mains supply via a suitable junction box ensuring that correct polarity is observed: Live (brown) and Neutral (blue) (see Fig. 2):

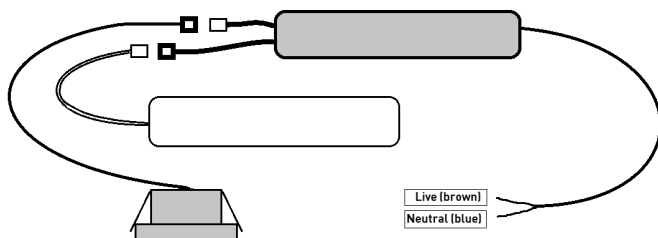


Fig. 2

- Connect the battery pack to the inverter via the plug and socket provided, ensuring that correct polarity is observed
 - Connect the downlight to the inverter via the plug and socket provided
 - Change the bezel if required, by unscrewing from the downlight and replacing with the desired bezel
 - Place the inverter and battery pack into the ceiling via the cut-out
 - Push up the spring clips either side of the fitting and locate into ceiling
 - Switch on and check for correct operation, ensuring the green indicator LED is illuminated
- See below for operation of the self-test function.

SELF-TEST FUNCTION

This product is programmed to carry out its own self-test function according to the following programme:

24 hours after first power-on 3 hour duration test
 Then every 28 days 30 second monthly function test
 And every 52 weeks 3 hour duration test

The downlight has one tri-colour LED which is green when charging, white when in emergency mode, and red to indicate faults. Following self-tests, the unit will go back into charging mode, and any faults will be indicated by the LED indicator as follows:

LED indicator	Status
Solid green	Normal conditions / charging / test successful
1 red flash	Battery fault
2 red flashes	Lamp fault
3 red flashes	Duration test failure

NB: disconnect and restore power to the unit to clear a fault indication once the condition is rectified.
 This product has no facility for initiating tests manually.

WARNING

This product 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

The LED lamp fitted in this product is non-replaceable. The unit 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 Nickel Cadmium and must be disposed of correctly. Please contact the local authorities for the disposal of this toxic waste.

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.

WARRANTY

This product has a warranty of 3 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 codes 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.

TEST RECORD

Recommended routine test procedure in accordance with BS5266:

- Daily check – check status of LED indicator
- Monthly functional test – check status of LED indicator
- Annual three-hour duration test – check status of LED indicator

If the LED indicator is showing a red flash to indicate a failure 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										