

User Instructions



LED Emergency Bulkhead Waterproof IP65

IP65









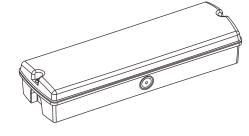
Important information:

It is recommended that this fitting is installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control.

- This product is designed for connection to a 220-240V mains supply.
- Only mount on level and stable surfaces.
- We cannot accept responsibility for any claims arising from a poor installation.
- · Always switch off mains supply before installation.
- The light fitting is Class I and requires an earth connection.

Specification:

- Input Voltage: 220-240V/AC 50/60Hz
- Rated Power: 3.5W Power factor: 0.4
- Power Consumption (Maintained): 3.1W(charging), 3.5W(ful charged)
- Power Consumption (Non-Maintained): 1.9W(charging), 0.5W(full charged)
- LED Type: 2835/41pcs SMD LED
- Light Output: 350lm AC Mains / 200lm DC Battery
- Battery Type: Li-FePO4 18650 3.2V 1500mAh
- Charging Time: 24 hours
- Discharge Time: more than 3 hours
- Colour Temperature: 6500K
- Deep Discharge Protection Voltage: 3V
- Overcharge Protection Voltage: 3.6V
- Operating Temperature Range: 0 ~ 40°C
- Operating Relative Humidity: less than 90%
- Weight: 491g
- IP Rating: IP65
- · Safety Classification: Class I
- · Warranty: 2 years





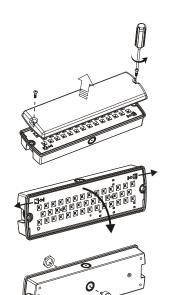
WARNING:

This fitting MUST be disconnected before installation and when carrying out insulation resistance testing at voltages above 250V. Otherwise irreparable damage may occur to internal components.

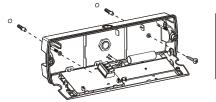
Emergency Testing and Battery Maintenance:

- Initial battery charge must be for a minimum of 24 hours before testing.
- To achieve best performance the EMLED should be tested fully by switching into emergency mode regularly in accordance with local testing regulations. Any warranty claim must be accompanied by documentation which records the dates of this maintenance procedure and signed by maintenance personnel.
- · When first connecting to AC power check if the Green LED light is lit confirming that the battery is charging.
- Turn the power off to simulate mains supply failure. The Green LED should go off & the bulkhead will be in emergency mode.
- The battery must be replaced when the unit no longer meets the rated emergency duration or if there is a battery fault.

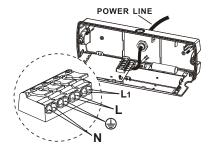
INSTALLATION STEPS:



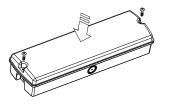
- 1. Using a screwdriver twist off the two screws and open the diffuser.
- 2. Pull open the fixing hooks to open the middle plate.
- 3. Drill a cable entry hole at the bottom or on the side of the base. Install the waterproof connector.



4. Fix the fitting on the ceiling or wall.



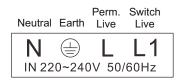
5. Connect the power line (ensure the power is cut at this point) and insert the battery wires into the PCB. When the AC supply is connected check if the green LED indicator illuminates to confirm that the battery is charging.



6. Close the diffuser and then tighten the screws. Allow a short period of time for part charging of the battery and then isolate the mains supply to the fitting in order to check the correct operation of the fitting in emergency mode.

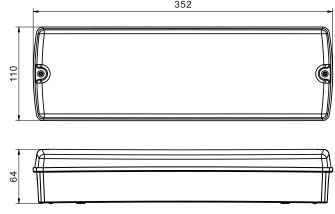
INSTALLATION & WIRING:

1. Connect the fitting to the mains supply as per the wiring diagram below:



- 2. Make sure the mains power lines and the battery wires are well connected and all screws are tighten.
- 3. Switch on the 220-240V/AC supply and check if the green LED Indicator illuminates to confirm that the battery is charging
- 4. Allow a short period of time for part charging of the battery and then isolate the mains supply to the fitting in order to check the correct operation of the fitting in emergency mode. In the first use, after a continuous charge for 24 hours, a mains failure should be simulated (at a safe and appropriate time) to ensure that the fitting works for its specified time. The fitting will be fully charged after 24 hours of continuous charge.





SAFETY INSTRUCTIONS:

- 1. Minimum distances around the fitting should be ensured for sufficient ventilation.
- 2. The ventilation should not be impeded by being covered with newspapers, table-cloths, curtains, etc.
- 3. If the external flexible cable or power cord of this fitting is damaged, it shall be exclusively replaced by a qualified electrician to avoid possible hazards.
- 4. Before commencing installation (and before any maintenance) ensure that the mains supply and the battery pack are disconnected.
- 5. Pay attention to the environment when disposing of the battery do not dispose of it with your normal household waste, please recycle where facilities exist. New regulations encourage the recycling of waste from Electrical and Electronic Equipment (European "WEEE Directive" effective August 2005).

TROUBLESHOOTING:

Most failures experienced are not due to the EMSB3ST itself and are caused by improper installation or connection of the unit. Please check that:

- · Wires are properly clamped into terminals.
- Installation is done according to the wiring diagram.
- Proper polarities are observed.

Keep a record of maintenance and check regularly to ensure its lifespan and usage.

Luminaire Ref/Location	ocation		In Case o	of difficulty	In Case of difficulty, contact the Installation Engineer:	nstallation	Engineer:			
			-				Tel:			
Full Rec	Full Recharge Time 24 l	24 Hours		Durati	Duration 3 Hours			Lamp Type - LED	oe - LED	
				ROUTIN	ROUTINE TEST RECORD	CORD				
	Year 1	_	Year 2	2	Year 3	8	Year 4	4	Year 5	
Monthly Test	Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
Functional										
Functional										
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Three Hour										