



LEDLITE™ User Instructions

High Lumen LED Emergency Bulkhead

Multi Power | Non-Maintained | IP65 | Manual/Self-test

EMLED812ST

Please read these instructions and retain them for future reference.

Important information:

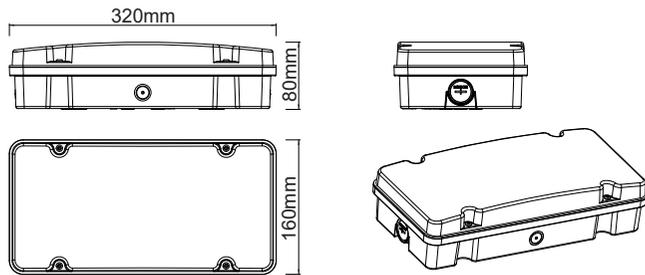
It is recommended that this fitting is installed by a qualified electrician ensuring the installation complies with current IEE wiring regulations & local building control.

- 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 II and does not require an earth connection.

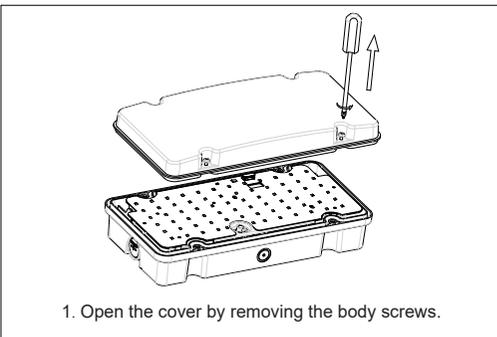
Technical Specifications:

- Input Voltage: 220-240V/AC
- Power: 8W / 12W Switchable
- Discharge Light Output: 1000lm/1500lm
- Non-Maintained
- Test method: ST - Self Test Emergency
MT - Manual Test Emergency
- CCT: 6500K
- Protection Class: Class II
- IP Rating: IP65 (IP65 Gland Included)
- IK Rating: IK08
- Housing: PC Body & Cover
- Beam Angle: 120°
- Battery: LiFePO4 6.4V 6600mAh
- Duration > 3 Hours
- Adhesive Legends Included
- Warranty: 3 years (excluding battery)

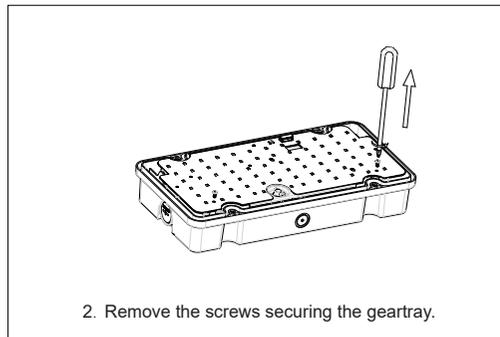
Dimensions:



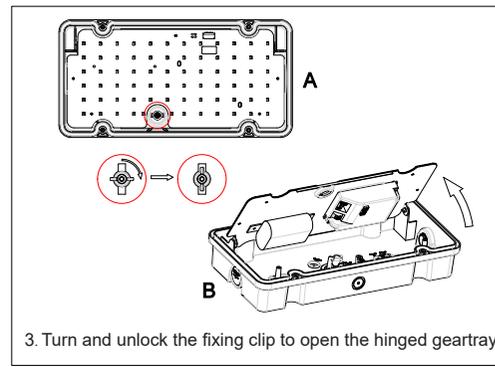
Installation Instructions:



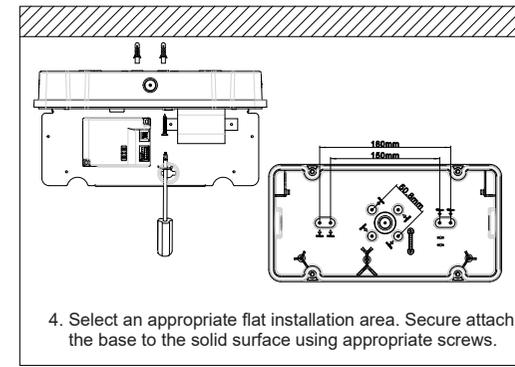
1. Open the cover by removing the body screws.



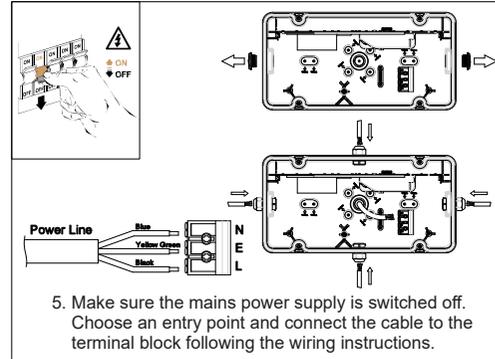
2. Remove the screws securing the geartray.



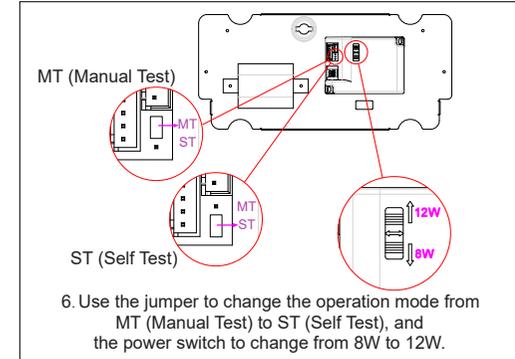
3. Turn and unlock the fixing clip to open the hinged geartray.



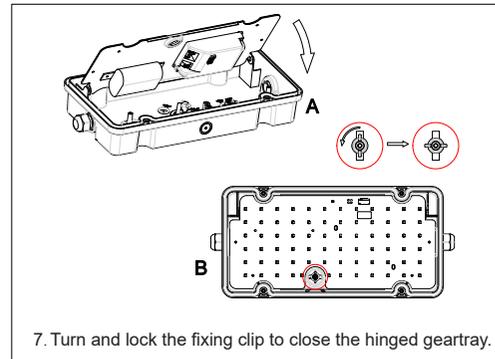
4. Select an appropriate flat installation area. Secure attach the base to the solid surface using appropriate screws.



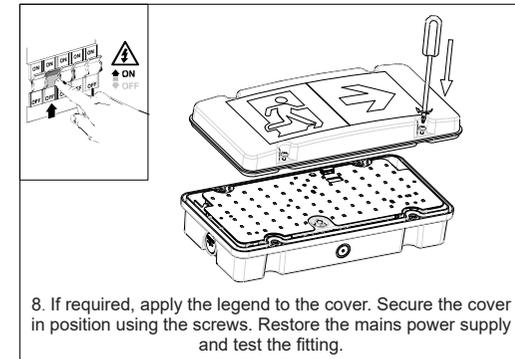
5. Make sure the mains power supply is switched off. Choose an entry point and connect the cable to the terminal block following the wiring instructions.



6. Use the jumper to change the operation mode from MT (Manual Test) to ST (Self Test), and the power switch to change from 8W to 12W.



7. Turn and lock the fixing clip to close the hinged geartray.



8. If required, apply the legend to the cover. Secure the cover in position using the screws. Restore the mains power supply and test the fitting.

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 EMLED812ST 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.

Self Test Function:

- **Monthly inspection:** The system simulates a power outage every 30 days for 10 seconds. It will return to the mains power state automatically if there is no fault.
- **Annual inspection:** The system simulates a power outage every 360 days and for 3 hours or until the battery power is dissipated. It will return to the mains power state automatically if there is no fault.

MODE	METHOD	IF	LED INDICATOR STATUS	RESULT
Mains ON	Automatic Monitoring	Battery OK	Green (permanently on)	Green LED
	Automatic Monitoring	Battery Fault	Red (Flashes every 1 second)	Red LED
	Automatic Monitoring	LED Fault	Amber (Flashes every 1 second)	Amber LED
Monthly self test battery discharge (discharge time 10 seconds)	Monthly test mode: Hold test button for 3 seconds	Battery OK	All indicators OFF	Green LED
		Battery Fault	Red (Flashes every 1 second)	Red LED
		LED Fault	Amber (Flashes every 1 second)	Amber LED
Yearly self test battery discharge (discharge time 3 hours)	Yearly test mode: Hold test button for 6 seconds	Battery OK	All indicators OFF	Green LED
		Battery Fault	Red (Flashes every 1 second)	Red LED
		LED Fault	Amber (Flashes every 1 second)	Amber LED
Mains Failure	No action needed Bulkhead enters 3 hour emergency mode	Battery OK	All indicators OFF	

Notes:

- To turn off emergency mode (when mains failure occurs) press the test button for 10 seconds
- If the battery and LED board fail simultaneously, the red LED will flash.
- After repair connect the bulkhead to mains. Press the test button within 1 second for function confirmation.
- Manual test will not affect the monthly and yearly test schedule.

Troubleshooting:

Most failures experienced are not due to the EMLED812ST 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	In Case of difficulty, contact the Installation Engineer: Tel: _____		ROUTINE TEST RECORD																								
	Lamp Type - LED		Duration 3 Hours				Year 1				Year 2				Year 3				Year 4				Year 5				
Full Recharge Time 24 Hours			Signed		Date		Signed		Date		Signed		Date		Signed		Date		Signed		Date		Signed		Date		
Monthly Test	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Functional	Three Hour