

## LXE-W – WEDGE EMERGENCY EXIT SIGN



The LXE-W Wedge Emergency Exit Sign consists of a shockproof polycarbonate top box with self contained emergency control gear, battery and lamp allowing for selectable maintained and non-maintained modes.

The highly transparent plastic legend panel allows for single or double sided mounting of legend pictograms. Four legend pictograms and one white sheet are included. Legend illumination is compliant to BS EN 1838.

The integrated self-test function is compliant with BS EN 62034 (excluding Basic) and meets the requirements of appropriate harmonised European standards.

### KEY FEATURES AND BENEFITS

- > Basic, Self-Test, DALI, Wireless options available
- > Four exit legend pictograms included as standard
- > 3-hour emergency operating time (variant upon request)
- > Constant power output in emergency mode
- > Specific charging regime for LiFePO4 battery technology
- > Deep discharge protection
- > 5-year warranty on Self-Test, DALI and Wireless products

### TECHNICAL SPECIFICATIONS

Mains input voltage	220V-240V <sub>ac</sub> – 50/60Hz
Viewing distance (m)	24
Light source	LED
Colour rendering	>70 CRI
Colour temperature	4000 K
Photobiological safety according to BS EN 62471	Risk group 1
Switchover Time Mains – Emergency	<0.5s
Functionality test	Weekly
Duration test	Annually
Emergency duration	3 hours
Battery recharge period for rated duration	24 hours (14 hours for 1 hour)
Battery	x1No. BATTERY LIFEPO4 1865 3.2V 1.5AH 1-CELL – 250MM JST-HER-2 (14-12-0001)
Safety class	II
Ingress protection class	IP54
Enclosure material	Self-Extinguishing Polycarbonate
Weight	0.75Kg
Ambient temperature range <i>ta</i> maintained mode	0°C to +30°C
Ambient temperature range <i>ta</i> non-maintained mode	5°C to +40°C

## LXE-W PRODUCTS

Luminaire Type	Part No.	Description
BASIC	LXE-W-1-3-M	WEDGE EXIT SIGN 1 CELL 3 HOUR MAINTAINED
SELF-TEST	LXE-W-ST-1-3-M	WEDGE EXIT SIGN 1 CELL 3 HOUR MAINTAINED SELF-TEST
DALI	LXE-W-DALI-1-3-M	WEDGE EXIT SIGN 1 CELL 3 HOUR MAINTAINED DALI
WIRELESS	LXE-W-WM-1-3-M	WEDGE EXIT SIGN 1 CELL 3 HOUR MAINTAINED WIRELESS

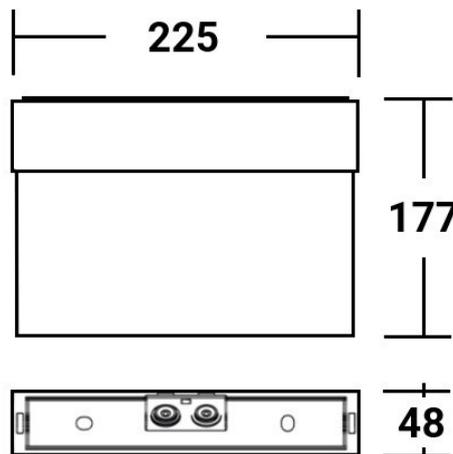
## STANDARDS AND APPROVALS

- > BS EN 1838
- > BS EN 55015
- > BS EN 61000-3-2
- > BS EN 61000-3-3
- > BS EN 61547
- > BS EN 60598-1
- > BS EN 60598-2-1
- > BS EN 60598-2-22
- > BS EN 62471
- > BS EN 62493



End of Life— At the end of service life there is an obligation upon the user to ensure our products are professionally collected, stored, transported, and recycled in accordance with the UK Waste Electrical and Electronic Equipment (WEEE) regulations 2018 amendments (open scope) and EU Directive 2021/19/EU on waste of electric and electronic equipment (WEEE). We fulfil our obligations and responsibilities to facilitate recycling of its products in accordance with current legislation through membership of LUMICOM, a producer compliance scheme.

## DIMENSIONS



## STATUS INDICATOR

### Visual status indicator for Basic models

-  **LED Green:** No fault / normal state.
-  **LED Extinguished:** Emergency operation in progress / battery fully discharged.

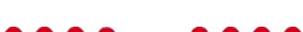
### Visual status indicator for Self Test models

-  **LED Intermittently Flashing Green:** commissioning/battery regeneration after initial connection (7s on, 1s off)
-  **LED Green:** No fault / normal state.
-  **LED Continuous Flashing Red:** battery fault—either insufficient battery capacity or interrupted connection. The fault indication is reset once the fault is cleared.
-  **LED Intermittently Flashing Red:** Luminaire fault
-  **LED Flashing Green / Momentary Red:** Duration test interrupted, postponed or self- testing failure.
-  **LED Extinguished:** If the LED is still off after more than 5 minutes of switching on the mains, then the mains or the unit is faulty

### Visual status indicator for DALI models

-  **LED Intermittently Flashing Green:** commissioning/battery regeneration after initial connection. Function test (fast flash 100ms on/off) or duration test (slow flash 1s on/off) (7s on, 1s off)
-  **LED Regularly Flashing Green:** inhibit
-  **LED Green:** No fault / normal state.
-  **LED Continuous Flashing Red:** battery fault (fast flash 100ms on/off) or test failed (slow flash 1s on/off). The fault indication is reset once the fault is cleared.
-  **LED Red:** Luminaire fault
-  **LED Flashing Green / Momentary Red:** Duration test interrupted, postponed or self- testing failure.
-  **LED Alternating Flashing Red/Green :** Identification switched on to locate individual unit address
-  **LED Extinguished:** If the LED is still off after more than 5 minutes of switching on the mains, then the mains or the unit is faulty

### Visual status indicator for Wireless models

-  **Intermittently Flashing Green** – Commissioning/battery regeneration after initial connection. Function test (fast flash; 100ms on/off) or duration test (slow flash; 1s on/off) (7s on, 1s off)
-  **Continuous Flashing Green** – Battery charging after discharging or after powering up.
-  **Solid Green** – No fault / normal state.
-  **Continuous Flashing Red** – Battery fault. Insufficient battery capacity or interrupted connection. The fault indication is reset once the fault is cleared.
-  **Intermittently Flashing Red** – Lamp fault. Please note that the fault is not indicated (or reset) immediately when it occurs (or is cleared), but after the next self-test.
-  **Flashing Green / Momentary Red** – Duration test interrupted, postponed.
-  **Alternating Flashing Red/Green** – Identification switched on to locate individual unit address.
-  **LED Extinguished** - If the LED is still off after more than 5 minutes of switching on the mains, then the mains or the unit is faulty.

## CONTACT US

### *Lux Box Lighting Technology Limited*

📍 1 WYMANS WAY, FAKENHAM, NORFOLK, NR21 8NT

☎ 03300 539 339 ✉ sales@luxbox.co.uk 🌐 luxbox.co.uk