

LXD2—RECESSED EMERGENCY DOWNLIGHT



The LXD2 Emergency Downlight consists of an LED lamp head with integrated battery, status display LED and an emergency lighting unit to operate the single LED in maintained and non-maintained mode. Each unit is compliant with BS EN 60598-1 and BS EN 60598-2-22 and is designed for recessed mounting.

Available with either corridor or open area lenses.

The automatic self-testing system incorporated in our Self-test, DALI and Wireless products are fully compliant to the requirements of BS EN 50172

KEY FEATURES AND BENEFITS

- > Basic, Self-test, DALI and Wireless communication options
- > Suitable for emergency escape lighting and open area lighting
- > 3-hour emergency operating time
- > 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
- > Specific testing regime for Self Test, DALI & Wireless products

TECHNICAL SPECIFICATIONS

Input	220V-240V _{AC}
Mains input frequency	50-60Hz
Power consumption / power input standby	Max. 5W / 7VA
Power output in emergency mode	3W
Switchover time mains – emergency (DALI only)	<0.5s
Ambient temperature range <i>ta</i>	5°C to +50°C
Unit max. case temperature <i>tc</i>	50°C
Safety class	II
Ingress protection class	IP20
Battery recharge period for rated duration	24 Hours
Emergency duration	3 Hours
Functionality test	Weekly (SEE '10-93-0100 SELF-TESTING OF CONTROL GEAR & LUMINAIRES')
Duration test	Annually
LED colour	6000K
CRI (Ra)	80
Weight	0.26Kg
Hole cut-out diameter	50mm
Enclosure material	Self-Extinguishing Polycarbonate

TECHNICAL DATA

Luminaire Type	Part No.	Description	Emergency Duration	P emergency (W)	Lumen output in emergency mode	Max. Supply Wattage (W)	Replacement Battery/LED
BASIC	LXD2-2-3-C-NM	LXD2 DOWNLIGHT 2CELL 3HOUR CORRIDOR NON-MAINTAINED	3Hr	3.0W	185Lm	5.0W	LXD-RH-2-C
	LXD2-2-3-C-NM-BK	LXD2 DOWNLIGHT 2CELL 3HOUR CORRIDOR NON-MAINTAINED BLACK	3Hr	3.0W	185Lm	5.0W	LXD-RH-2-C-BK
	LXD2-2-3-O-NM	LXD2 DOWNLIGHT 2CELL 3HOUR OPEN AREA NON-MAINTAINED	3Hr	3.0W	181Lm	5.0W	LXD-RH-2-O
	LXD2-2-3-O-NM-BK	LXD2 DOWNLIGHT 2CELL 3HOUR OPEN AREA NON-MAINTAINED BLACK	3Hr	3.0W	181Lm	5.0W	LXD-RH-2-O-BK
SELF-TEST	LXD2-ST-2-3-C-NM	LXD2 ST DOWNLIGHT 2CELL 3HOUR CORRIDOR NON-MAINTAINED	3Hr	3.0W	185Lm	5.0W	LXD-RH-2-C
	LXD2-ST-2-3-C-NM-BK	LXD2 ST DOWNLIGHT 2CELL 3HOUR CORRIDOR NON-MAINTAINED BLACK	3Hr	3.0W	185Lm	5.0W	LXD-RH-2-C-BK
	LXD2-ST-2-3-O-NM	LXD2 ST DOWNLIGHT 2CELL 3HOUR OPEN AREA NON-MAINTAINED	3Hr	3.0W	181Lm	5.0W	LXD-RH-2-O
	LXD2-ST-2-3-O-NM-BK	LXD2 ST DOWNLIGHT 2CELL 3HOUR OPEN AREA NON-MAINTAINED BLACK	3Hr	3.0W	181Lm	5.0W	LXD-RH-2-O-BK
DALI	LXD2-DALI-2-3-C-M	LXD2 DALI DOWNLIGHT 2CELL 3HOUR CORRIDOR MAINTAINED	3Hr	3.0W	185Lm	8.0W	LXD-RH-2-C
	LXD2-DALI-2-3-C-M-BK	LXD2 DALI DOWNLIGHT 2CELL 3HOUR CORRIDOR MAINTAINED BLACK	3Hr	3.0W	185Lm	8.0W	LXD-RH-2-C-BK
	LXD2-DALI-2-3-O-M	LXD2 DALI DOWNLIGHT 2CELL 3HOUR OPEN AREA MAINTAINED	3Hr	3.0W	181Lm	8.0W	LXD-RH-2-O
	LXD2-DALI-2-3-O-M-BK	LXD2 DALI DOWNLIGHT 2CELL 3HOUR OPEN AREA MAINTAINED BLACK	3Hr	3.0W	181Lm	8.0W	LXD-RH-2-O-BK
WIRELESS MESH	LXD2-WM-2-3-C-M	LXD2 WM DOWNLIGHT 2CELL 3HOUR CORRIDOR NON-MAINTAINED	3Hr	3.0W	185Lm	8.0W	LXD-RH-2-C
	LXD2-WM-2-3-C-M-BK	LXD2 WM DOWNLIGHT 2CELL 3HOUR CORRIDOR NON-MAINTAINED BLACK	3Hr	3.0W	185Lm	8.0W	LXD-RH-2-C-BK
	LXD2-WM-2-3-O-M	LXD2 WM DOWNLIGHT 2CELL 3HOUR OPEN AREA NON-MAINTAINED	3Hr	3.0W	181Lm	8.0W	LXD-RH-2-O
	LXD2-WM-2-3-O-M-BK	LXD2 WM DOWNLIGHT 2CELL 3HOUR OPEN AREA NON-MAINTAINED BLACK	3Hr	3.0W	181Lm	8.0W	LXD-RH-2-O-BK
REPLACEMENT HEADS	LXD-RH-2-C	LXD REPLACEMENT HEAD 2 CELL CORRIDOR	N/A	N/A	N/A	N/A	N/A
	LXD-RH-2-C-BK	LXD REPLACEMENT HEAD 2 CELL CORRIDOR - BLACK	N/A	N/A	N/A	N/A	N/A
	LXD-RH-2-O	LXD REPLACEMENT HEAD 2 CELL OPEN AREA	N/A	N/A	N/A	N/A	N/A
	LXD-RH-2-O-BK	LXD REPLACEMENT HEAD 2 CELL OPEN AREA - BLACK	N/A	N/A	N/A	N/A	N/A

BATTERIES TECHNICAL DATA

Part No.	Chemistry	No. of Cells and Format	Cell Type	Nominal Voltage	Capacity
14-12-0002	LiFePO ₄	2-Cell Pack	18650	3.2V	3.0Ah

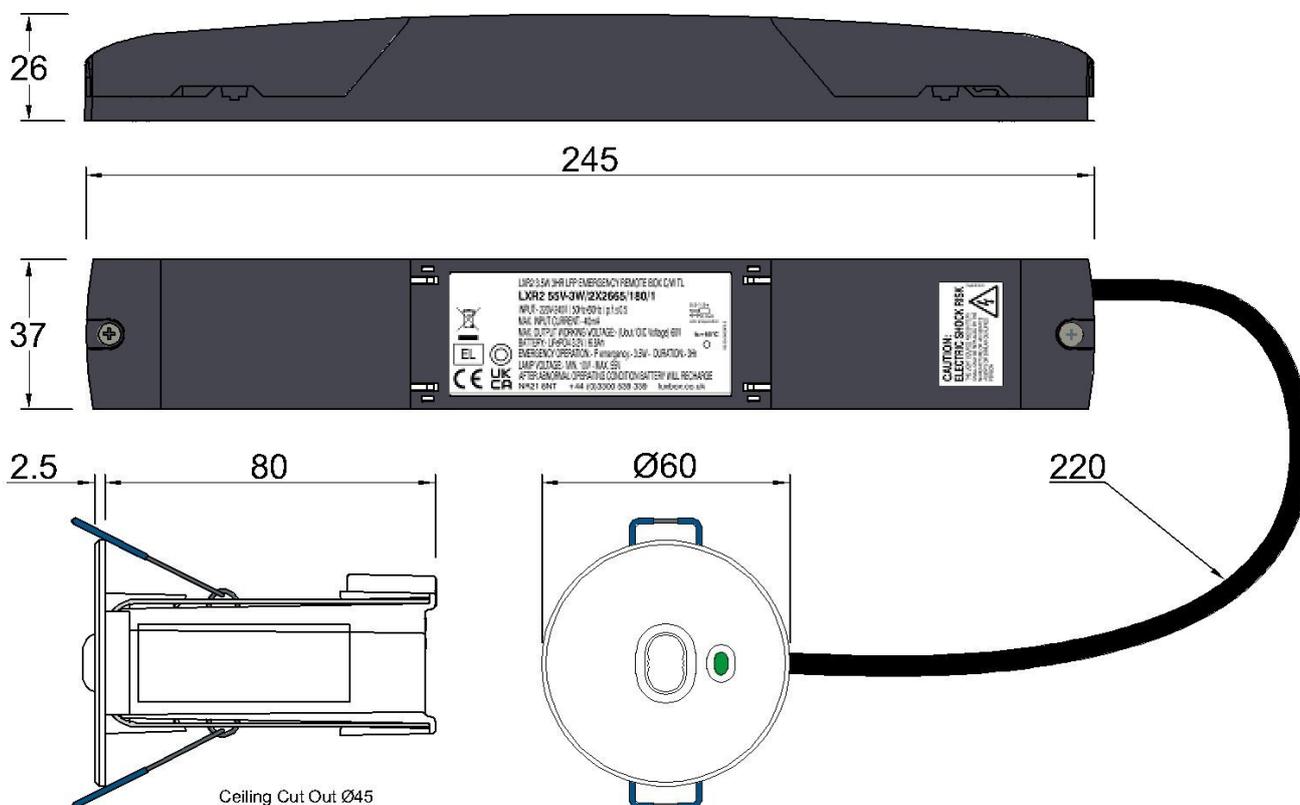
STANDARDS AND APPROVALS

- > BS EN 55015
- > BS EN 61000-3-2
- > BS EN 61000-3-3
- > BS EN 61347-1
- > BS EN 61347-2-7
- > BS EN 61347-2-13
- > BS EN 61547
- > BS EN 62034
- > BS EN 62384
- > BS EN 60598
- > BS EN 60598-2-22



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 2012/19/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

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