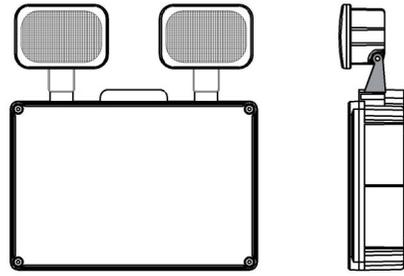


Installation and Operating Instructions for LXT Twinspot



MOUNTING & CABLE ENTRY

Determine the required position of the luminaire from the photometric design. The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 0.35m is not expected.

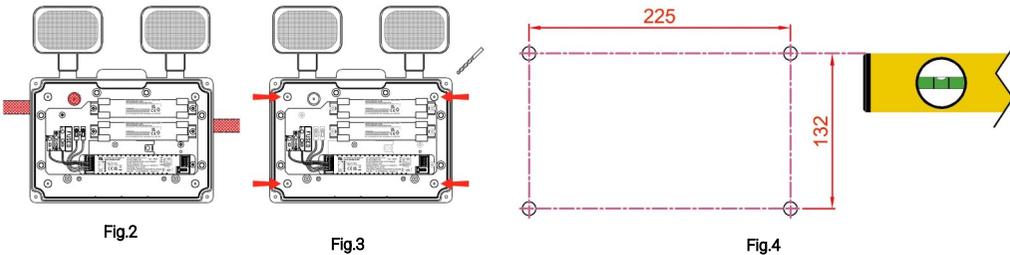
Take unit out of the packaging and remove the lid by unscrewing the x4No. retainer screws (Fig.1) and put all components in a safe place for reassembly.

Three cable entry points have been highlighted by the red hatched areas. One rear entry point and one on either side of the unit.

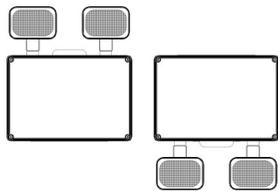
Use a suitably sized hole cutter to drill out required entry points. Ensure that IP65 Rated Cable Glands are used to maintain the products ingress protection (not supplied) (Fig.2).

Drill out the required x4No. fixing points and use suitable fixing screws (Fig.3).

Mark out the fixing holes on the wall and use a spirit level to ensure it is level. Drill the holes out to a size to suit the required screws and wall fixings (not supplied). (Fig.4).



MOUNTING UNIT



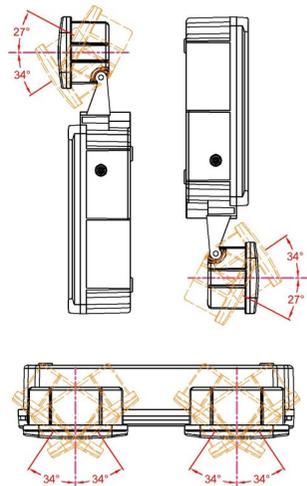
The LXT can be mounted with the spot lamps either at the bottom or the top depending on the emergency lighting design requirements.

The lamps are adjust by hand and should be aimed to provide an even light distribution on the floor in accordance with BS 5266. Once adjusted into the desired location the lamps must be locked in position.

BS 5266 requires that escape route should have a minimum of 1lux along the centre line of the escape route.

In open areas a minimum level of 0.5lux is required through the area.

Extra care should be taken in high risk areas where extra emergency lighting may be required. 10% or normal mains lighting must be achieved over the risk area or 15 lux minimum. i.e. 200 lux mains lighting needs 20lux emergency lighting.

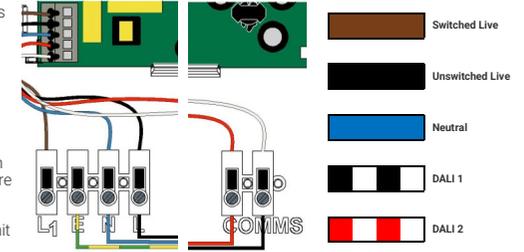


WIRING CONNECTION DETAIL

This luminaire provides reinforced insulation between mains terminals and control terminals, and can operate in Non-Maintained mode if the Switch Live is not connected on DALI & Wireless models.

Connect a supply using 1.0mm² min. PVC Insulated Cable or PVC Sheathed cables in accordance with BS EN 6004 and BS EN 50525-2-31 or similar as per the label guides. Live feed should be permanent, originating from the same supply as mains lighting in the same area.

Note: DALI Versions Only. DALI Communications bus must be wired in 300/500 Volt rated or better, double insulated cable such as single core or multi core cables in accordance with BS EN 6004 to provide reinforced insulation. Min. conductor cross sectional area shall be 1.5mm² and the max. cable length between the central supervision unit must be no greater than 300 metres.

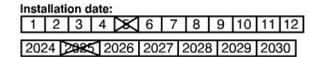


WIRING DETAIL – BATTERY

The date of commissioning must be recorded onto the battery label. This is the responsibility of the installer and may invalidate your warranty if not completed correctly.

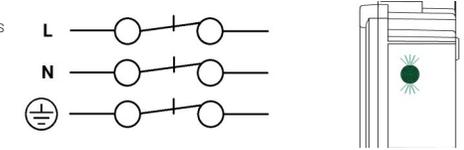
The battery must be replaced when then the luminaire fails to meet its rated duration during testing. The battery in this unit shall only be replaced by the manufacturer or their service agent or a similar qualified person.

MANUFACTURING DATE: 00/0000
TYPE (AS PER EN62620): IPr19/66 [2P] 0+60/85
DO NOT SHORT CIRCUIT / USE ONLY SPECIFIED CHARGER / MAY EXPLODE IF PUT IN FIRE



APPLY MAINS SUPPLY

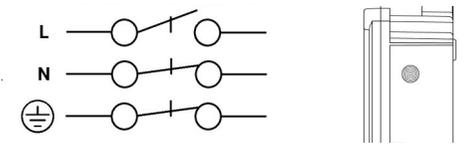
Apply mains supply to the luminaire. For Basic versions the indicator will show continuous green. For Self-Testing, DALI & Wireless versions the indicator will show a flashing green.



TEST EMERGENCY SUPPLY

Briefly fail the supply to illuminate the LED array from the internal battery. The indicator LED will be extinguished.

Note: If the battery has not been charged for an extended period the luminaire may only briefly fail to operate until the battery is charged.



RECONNECT MAINS SUPPLY

Reconnect the unswitched supply to restart battery charging, indicated by the green indicator LED.

OPERATING INSTRUCTIONS – RECESSED EMERGENCY DOWNLIGHT

- Luminaires should only be installed by suitably qualified personnel.
- Installation should be carried out in accordance with the requirements of BS 7671, BS 5266 Pt1, BS EN 1838 and BS EN 50172.
- Before installing, connecting or servicing these luminaires, isolate the mains supply to which they are to be connected.
- To comply with the requirements of BS EN 50172, it is necessary to record the indicator LED status.

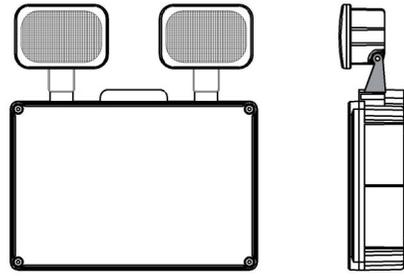
Note: Self-Testing, DALI and Wireless versions are fully self-testing emergency luminaires and do not require a key switch testing facility.

TECHNICAL SPECIFICATION

Mains Input Voltage	220V – 240Vac – 50/60Hz
Max. Supply Wattage (W)	5.5W
Mode of Operation	Non-Maintained
Light Sources	LED ONLY
Changeover Time Mains – Emergency	<0.5s
Functionality Test (Excluding Basic)	Weekly
Duration Test (Excluding Basic)	Annually
Emergency Duration	3 Hours
Battery Recharge Time	24 Hours for Full Duration
Electrical Protection Class	I
Ingress Protection Rating	IP65
Housing Material	Polycarbonate
Fire Rating	BS EN 60695-2-11
Weight	1.5 Kgs
Ambient Temperature Range ta	+5°C to +25°C

Lux Box Lighting Technology Limited
1 Wymans Way, Fakenham, Norfolk, NR21 8NT
T: 03300 539 339 E: sales@luxbox.co.uk W: luxbox.co.uk

Installation and Operating Instructions for LXT Twinspot



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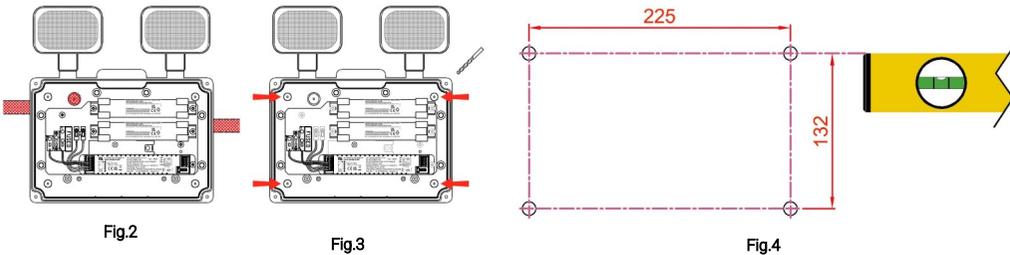
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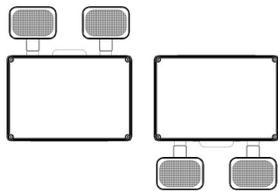
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MOUNTING UNIT



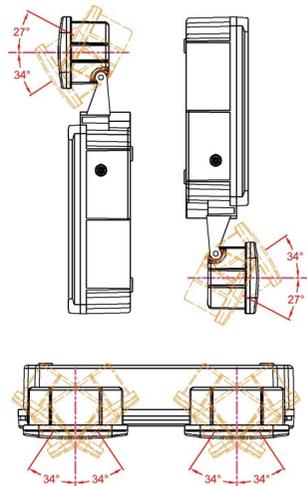
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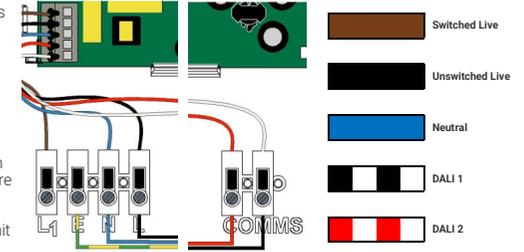


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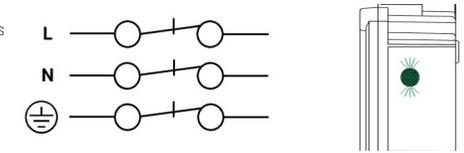
Installation date:

1	2	3	4	5	6	7	8	9	10	11	12
2024	2025	2026	2027	2028	2029	2030					



APPLY MAINS SUPPLY

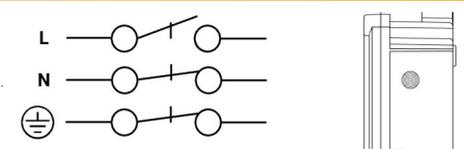
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