

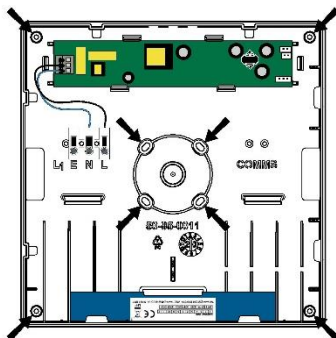
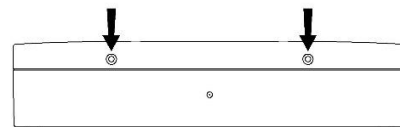


Mounting and Cable Entry

Suitable for direct ceiling mounting or BESA Box mounting.

Take the unit out of the packaging and remove the two shroud retainer screws and put in a safe place for reassembly.

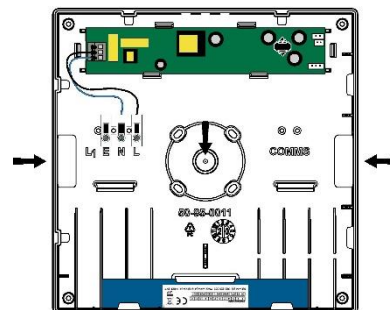
Remove the shroud by rotating on its hinge and sliding off.



Drill out the required fixing points and use suitable fixing screws.

This unit has two M20 conduit entry points on opposite ends and a single entry on the back.

Drill out the required cable entry points using a suitable cutter and seal the cable entry using suitable cable glands.



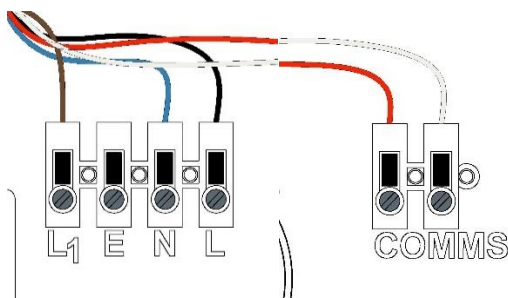
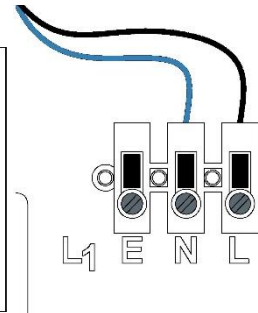
Wiring

Basic & Selftest

This equipment provides reinforced insulation between mains terminals and control terminals.

Connect a supply originating from the local mains lighting supply using 1.5mm² min. Reinforced Insulation Cable or Single Core Conduit Cables in accordance with BS6004 BS EN 50525-2-31 or similar as per the label guides.

Wire Key	
	= Switch Live
	= Earth
	= Neutral
	= Live
DALI Versions Only	
	= Coms 1
	= Coms 2



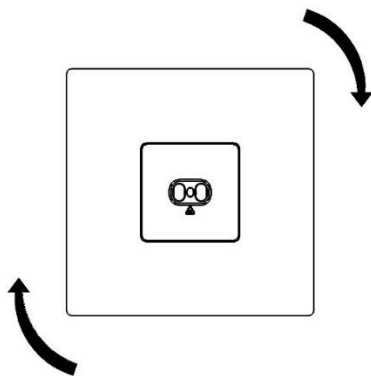
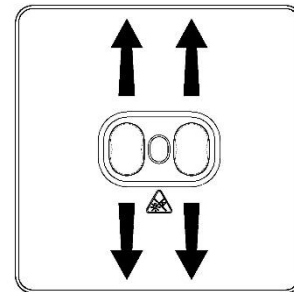
DALI

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 6004 to provide reinforced insulation.

Min. conductor cross sectional area shall be 1.5mm² and the max. cable length between the DALI controller and the Luminaire should be no greater than 2 metres.

Lens Direction

Two lens variants are available, Open Area and Corridor, identified on the product label. An Open Area Lens evenly distributes the light. The Corridor Lens distributes the light in only two directions as show in the image on the right.



The shroud can be removed and rotated 90° so output direction of a Corridor version suits the cable entry point if required.

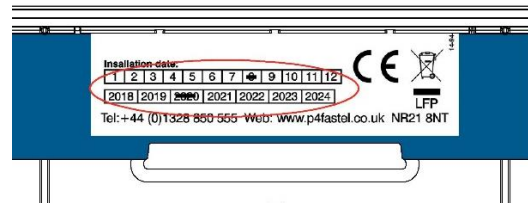
It is the installer's responsibility to ensure that the luminaire output meets the emergency lighting design.

When in the desired location secure the shroud in place using the retaining screws removed in Step 1.

Commissioning Date

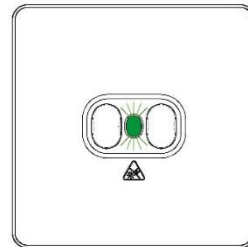
The date of commissioning must be recorded onto the battery label. This is the responsibility of installer and may invalidate the warranty if not completed correctly.

The battery must be replaced when the luminaire fails to meet its rated duration during testing. The Light Source and Battery in this luminaire shall only be replaced by the manufacture or his service agent or a similar qualified person.



Apply Mains Supply

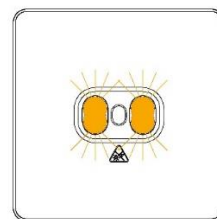
Apply mains supply to the luminaire. For Basic & DALI versions the indicator LED will show continuous green. For Self Testing versions the indicator will show flashing green.



Test Emergency

Briefly fail the supply (using key switch or self-resetting switch for Basic units) to illuminate fitting from the internal battery. The indicator LED will be extinguished, and the main LED will illuminate.

Note: If the battery has not been charged for an extended period the luminaire may only briefly or 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 – Surface Emergency Downlight

General

1. Luminaires should only be installed by suitably qualified personnel.
2. Installation should be carried out in accordance with current building and wiring regulations and luminaires located as required by BS5266 Pt 1 as well as BS EN 1838 and BS EN 50172.
3. Before installing, connecting or servicing these luminaires, isolate the mains supply to which they are to be connected.
4. To comply with the requirements of BS EN 50172, it is necessary at least record the indicator LED Status.

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

Technical Specification

Supply Voltage	220V-240V / 50-60Hz
Supply Current	10mA
Mode of Operation	Basic & Self-Test: - Non-Maintained DALI: - Maintained
Weight	0.31Kg
Duration	3 hours
Light sources	High Efficiency White LED Max. Working Voltage for which Insulation Designed = 30V
Battery	3.2V 3Ah LiFePO4
Recharge period	24 hours for full duration
Charge Regime	C5/20 to 3.65V, switch off, then recharge when $\leq 3.45V$
Ambient temperature	+5°C to +25°C
Conformity	BS EN 60598-1, BS EN 60598-2-22, BS EN 61347-1, BS EN 61347-2-7, BS EN 61347-2-13, BS EN 62386