

# LED Emergency Ceiling Light Installation Sheet

## SPECIFICATION

Operating environmental temperature	0 °C - 40 °C
Relative humidity	<90% non-condensing
Relative input voltage	AC240V ± 10% 50Hz
Relative input current	0.104A
Power factor	0.90
Battery	3.2V 1500mAh LiFePO4
Emergency Duration	180 minutes

INSTALLATION - Should be carried out by a competent electrician

The luminaire should be mounted using the fixing holes provided, on a sound flat surface. Route the incoming cables around the outside of the body well away from the control gear and make-off the conductors in the gear-tray mounted terminal block.

### NOTE:

Please refer to the interconnect diagram before connecting to mains supply, ensure the mains 230V AC supply is connected as shown. A competent electrician should carry this out.

DO NOT CONNECT THE BATTERY THE WRONG WAY ROUND, EVEN MOMENTARILY.

Switch off mains supply before opening the light..

If Non-maintained operation is required, connect a permanent live supply to the L terminal only.

OPERATION: ENSURE FITTING IS CHARGED FOR A MINIMUM OF 24 HOURS PRIOR TO TESTING

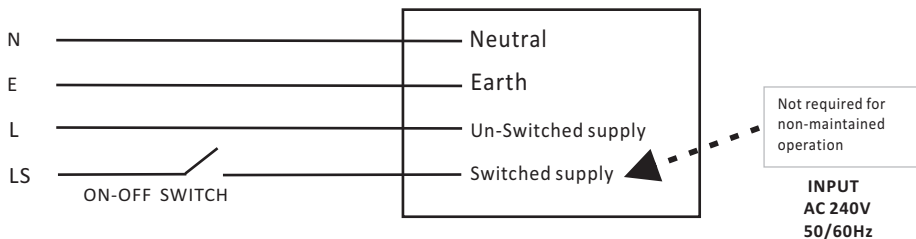
Connect the switched & unswitched mains supplies as per the diagram.

When the switched supply (2) is switched on the light will operate in the maintained mode.

When the unswitched live (1) fails the light will operate in the emergency mode.

## CONNECTION DIAGRAM

Emergency operation

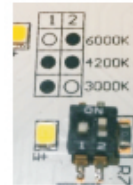


### Colour Temperature Setting

The product range comes with 3 colour temperature options:

3000K, 4200K & 6000K

To change the colour temperature, use the DIP switches on the LED Gear tray.



1	2	
OFF	ON	6000K Cool White
ON	ON	4200K Natural White
ON	OFF	3000K Warm White

### Microwave Sensor

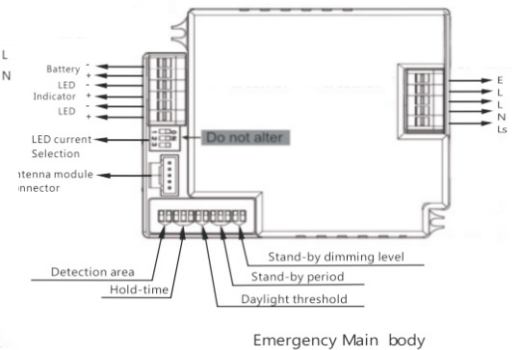
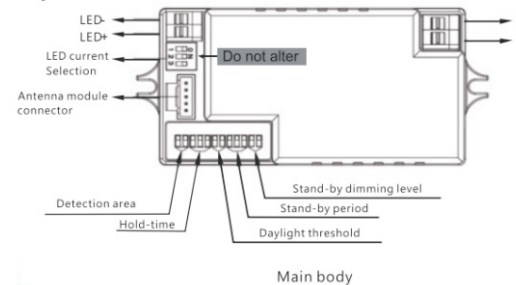
If the light is only switched using the microwave, L & L1 must be linked.

Microwave sensors work by detecting movement, any objects within the field of detection which move, such as trees, animals, cars etc. will trigger the light. If mounted externally rain running down the diffuser may also cause the unit to be triggered.

The enhanced 'Corridor function' Offers

- 3 levels of light: 100%-->dimmed light (10%, 20%, 30%, 50% optional)-->off;
- 2 periods of selectable waiting time;
- Motion hold-time and stand-by period;
- Selectable daylight period
- Detect on area

### Layout & switches



FUNCTIONS – ALL CHANGES MUST BE MADE WITH LIGHT DE-POWERED

## Commissioning (Emergency luminaire)

Follow the procedure below to establish that the luminaire is working correctly.

- a) Connect the batteries to the Printed circuit board by inserting the black & red battery wires in to the correct 'push fit' battery terminals on the emergency module. Simply push down the locking lug & insert the wire & then release the lug.
- b) The permanent live supply should be switched on, and the green LED should light, this indicates the batteries are charging.
- c) Turn On the normal lighting supply (if a Switched Live supply is present), the lamp should light.
- d) Leave the luminaire in this state for at least one hour before failing all live supplies. The lamp should light in the emergency mode at reduced brightness.
- e) Restore the mains supply and leave the luminaire to fully charge the batteries, this will normally be 24 hours. It is nevertheless advisable, to allow an initial charge of 48 hrs before putting the batteries into service for the first time.