

Installation must be installed by a qualified electrician (BS7671).

Read before installation and retain for future reference.

240V-50Hz Incoming supply.

NOTE

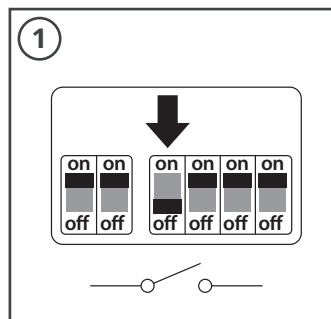
DO NOT MODIFY - this will invalidate the warranty and could be dangerous. Waste electrical products should not be disposed of with household waste.

Please recycle where facilities exist.

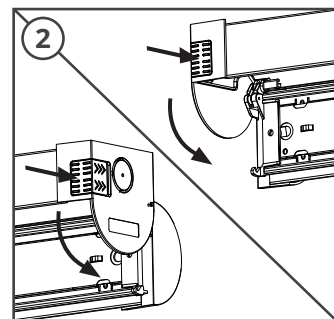
Check with your Local Authority or retailer for recycling advice.

LOCATION - Always check for concealed pipes and cables before installation. Wood or brick mounting surface. When luminaire is fitted with an emergency pack, it is not to be installed outdoors or in areas with moisture or corrosive gases. Recommended in stairwells, passageways, exits and other prominent locations.

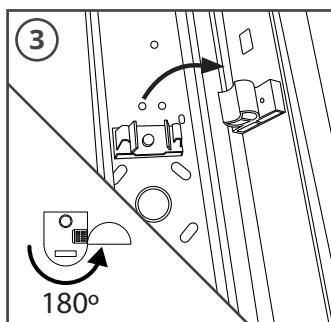
A separate circuit should be used for the power supply, which should not be shared with lighting or other electrical appliances with switches, to ensure that the emergency light can charge normally.



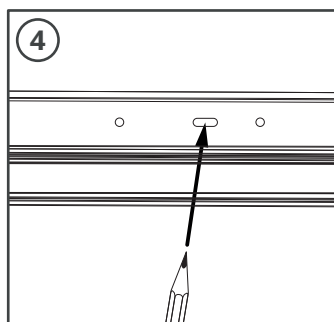
Switch OFF at mains supply before installing



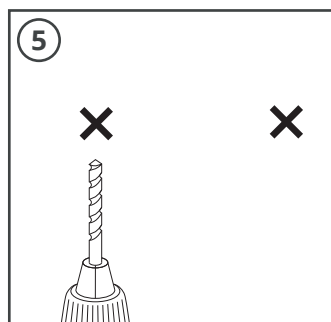
Push each button on end-caps (one at each end) to release the catches on the casing, opening it slightly.



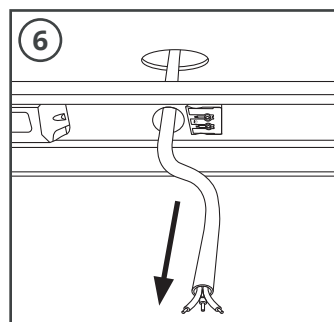
Firmly pull open the casing until you hear the middle latch disengage with an audible "click".



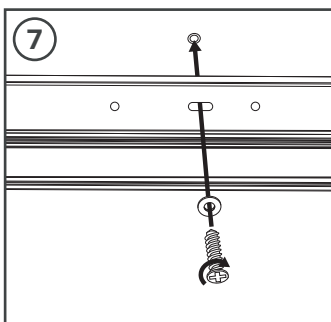
Mark out the correct location for the luminaire to be secured to the surface.



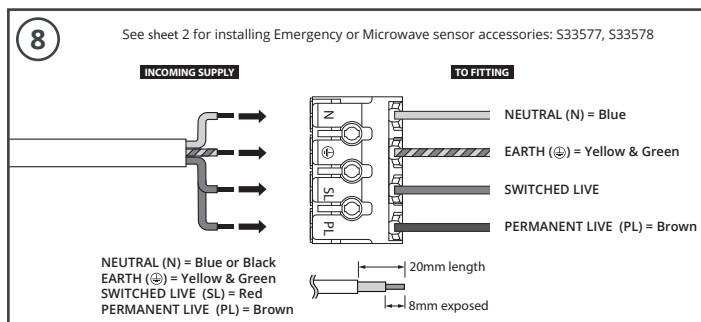
Choose your fixing hole positions on the back of the luminaire, mark position on mounting surface min 0.5m from other surfaces). Drill holes to the required distance and install plugs.



Feed the power supply cable from the mounting surface through the cable entry hole in the batten.

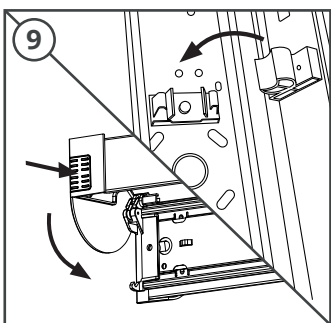


Secure batten into place using the previously installed plugs

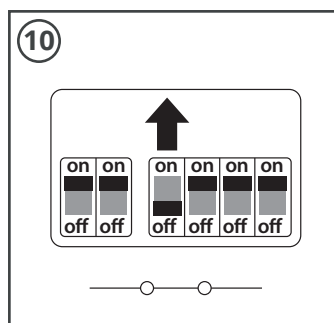


Push down the terminal, insert correct supply (as shown) into terminal block and release the push fit terminal to secure. Ensure an uninterrupted permanent live feed is connected directly to the (PL) for the emergency unit to work correctly.

Note: Please ensure there are no switches, PIRs etc in the permanent live feed, as switching off the emergency pack will reduce the battery's life considerably.



Push the case closed in the center until you hear the latch "click" back into place. Repeat for both end caps to lock.

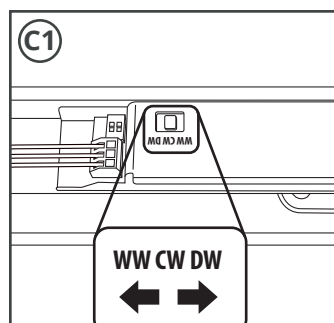


Return power. Switch ON at mains supply

Colour Temperature Selection

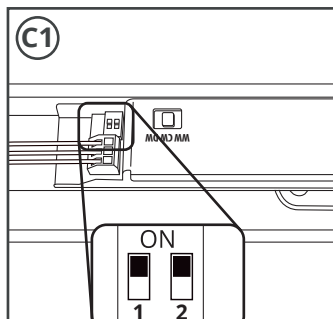
Follow initial installation instructions 1 and 2.

Select desired colour temperature on the CCT located on the driver as shown in illustration C1. Factory preset is 4,000K. Close the casing.
WW = 3,000K - Warm White
CW = 4,000K - Cool White
DW = 6,500K - Daylight White
Continue with initial installation instructions 8 and 9.



Watt Selection

Follow initial installation instructions 1 and 2.
Select desired Watt using the DIP switches located on the driver. Factory preset is the highest setting.
Continue with initial installation instruction 8 and 9.



4 ft model

1	2	Output
ON	ON	20W
ON	OFF	25W
OFF	ON	30W
OFF	OFF	40W

5 ft model

1	2	Output
ON	ON	30W
ON	OFF	40W
OFF	ON	50W
OFF	OFF	60W

6 ft model

1	2	Output
ON	ON	40W
ON	OFF	45W
OFF	ON	55W
OFF	OFF	65W

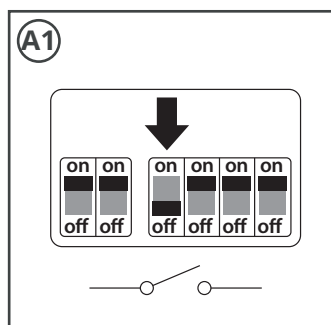
Converting the standard batten into an emergency and/or Microwave sensor luminaire you first disconnect the LED module from the power supply as shown in steps A1 - A3

For Emergency Pack fitting continue with steps E1 - E4

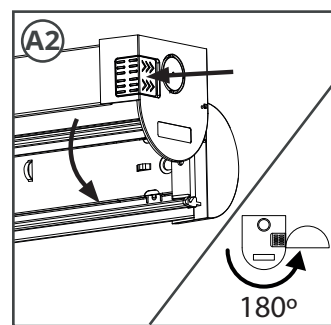
For Microwave Sensor fitting continue with steps M1 - M4

Once fully installed, use the cable clips to secure any loose cables (A4) close casing ensuring it clicks into place and return power (7-8)

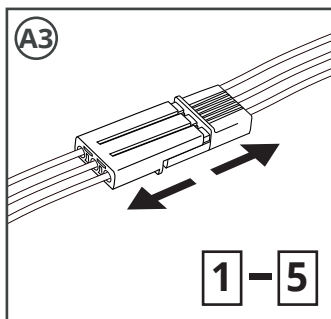
NOTE: For both Microwave sensor and Emergency Pack connectors are 1 with 2, 3 with 4 and 5 with 6.



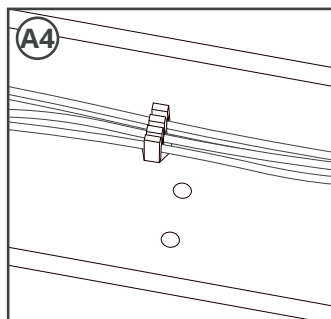
Switch OFF at mains supply before installing



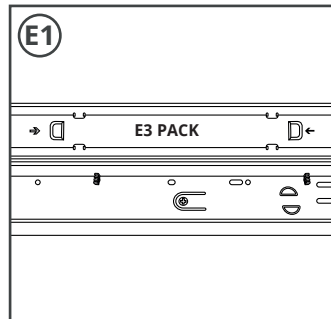
Push each button on end-caps (one at each end) and pull open casing until casing "clicks" into place



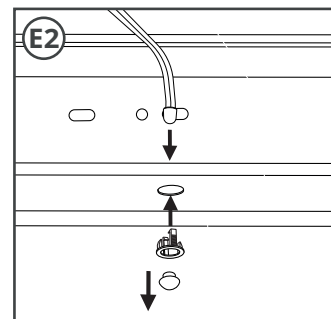
Disconnect the pre-fitted orange connects labels 1 and 5.



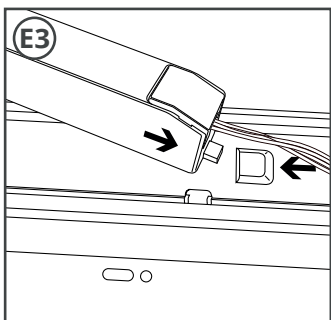
Use the cable clips to secure and loose cables.



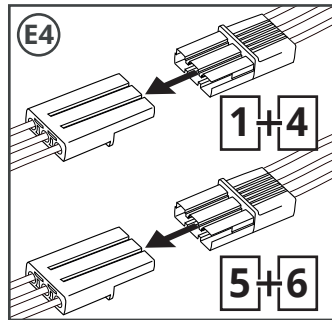
Locate the marked area on the LED section of the batten where the Emergency pack is to be installed.



Remove the rubber grommet from the main casing. Insert the carrier into the hole, then feed the LED indicator into the carrier.

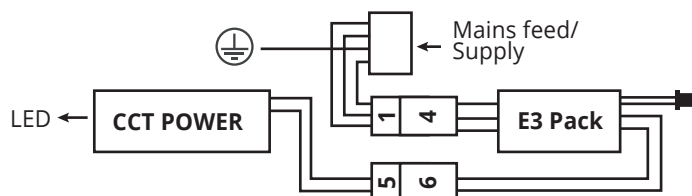


Slide the notch labelled → into the holding slot with the corresponding arrow. With the E3 Pack against the LED gear tray, slide the pack with the into → the corresponding marked slot until it clicks securely into place.

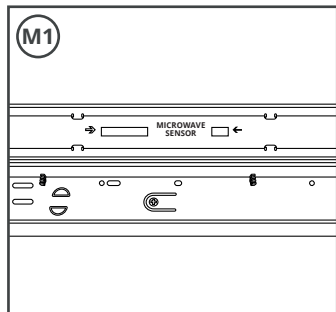


Wire the E3 Pack to the batten by connecting 1 with 4 and 5 with 6.

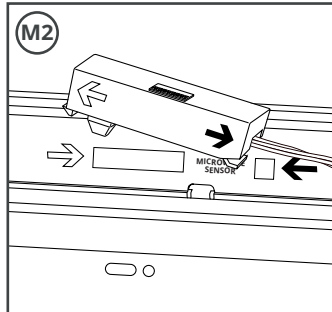
Emergency Pack Basic Connection Diagram



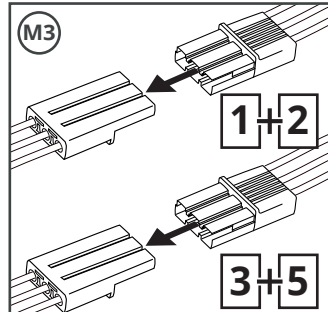
When power is restored the LED indicator will turn on. This indicates the battery is charging. Allow 24 hours for the battery to fully charge before any testing is performed.



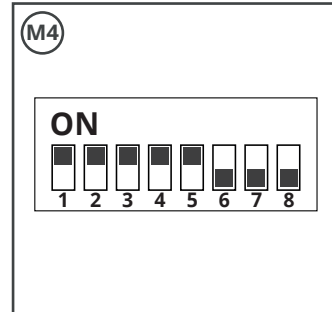
Locate the marked area on the LED section of the batten where the Microwave Sensor is to be installed.



Slide the notch labelled → into the small rectangular hole with the corresponding arrow. Push down on the other side of the sensor to secure into place. You can remove the sensor by pushing the catch labelled → and lifting the sensor away



Wire the E3 Pack to the batten by connecting 1 with 4 and 5 with 6.



Select desired operation for the Microwave Sensor using the DIP switches located on the sensor. Factory preset: Detections Area 100%, Hold Time 5 seconds, Daylight Threshold Disabled.



Detection Area			Output
1	2		
ON	ON		100%
OFF	ON		75%
ON	OFF		50%
OFF	OFF		25%

Hold Time				Output
1	2	2		
ON	ON	ON		5 secs
OFF	ON	ON		30 secs
ON	OFF	ON		90 secs
OFF	OFF	ON		5 mins
ON	ON	OFF		20 mins
OFF	OFF	OFF		30 mins

Daylight Threshold				Output
1	2	2		
ON	ON	ON		2 Lux
ON	ON	OFF		10 Lux
OFF	ON	OFF		30 Lux
ON	OFF	OFF		50 Lux
OFF	OFF	OFF		Disabled

Detection Area

Detection area can be reduced by selecting the combination on the DIP switches to fit precisely each application.

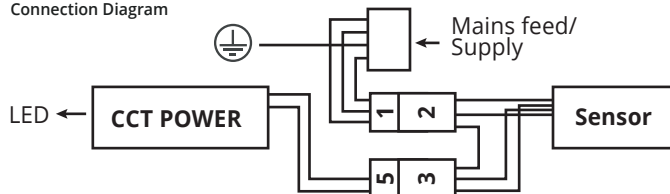
Hold Time

Refers to the time period the lamp remains at 100% illumination after no motion is detected.

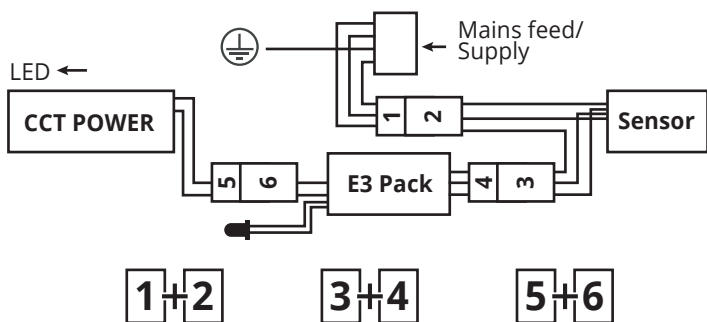
Daylight Threshold

The luminaire activates only when the ambient brightness is below the threshold. When set to "Disabled" mode, the daylight sensor operate the LED when motion is detected regardless of ambient light level. 50 lux: twilight operation, 30 lux, 10 lux, 2 lux: darkness operation only.

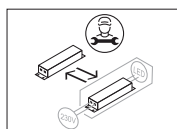
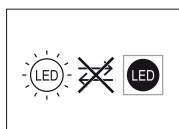
Microwave Sensor Basic Connection Diagram



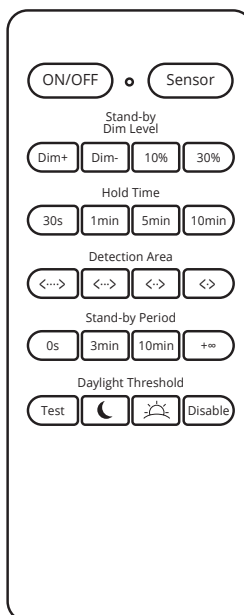
Microwave Sensor and Emergency Pack Basic Connection Diagram



This product contains a light source of energy efficiency class **C**



Remote Control for Microwave Sensor



IMPORTANT: The remote control settings will override the DIP switch settings. To revert to the DIP switch settings.

1. Turn off power to the batten.
2. Open casing to access the Dip switches and make one change.
3. Return power to the batten.

ON/OFF Button will disable the microwave sensor and either switches the light to constantly ON or Off

Sensor Button will activate the Motion Sensor using the previously chosen program setting.

Hold Time will setting the light to 100% Brightness

Detection Area
Sensitivity = 100% 75% 50% 25%

Test Button turn off the light after 2 seconds. Then restore to the last sensing settings.

Daylight Threshold = 15 Lux

Daylight Threshold = 50 Lux

Daylight Threshold = Disabled



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Emergency maintenance and testing

1. Only qualified electricians should regularly check that the operating status is normal to comply with BS 5266-1:2016
2. The emergency pack is suitable to be installed in areas with an ambient temperature of 0°C to 40°C. Installation in a location with an ambient temperature below 0°C or above 40°C will result in the emergency pack not charging
3. After installation the battery will need 24 hours charging before performing the initial testing. Under normal use, please replace the battery when the discharge time is less than 3 hours after 24 hours charging or when the battery shows signs of leakage. To replace the battery; switch off the power to the luminaire and follow the instructions E4, E3, E2 ensuring you reverse the step process.
4. If the emergency light is stored and deactivated for a long time, it is recommended to charge and discharge the battery once every three months to protect the performance of the battery.
5. If the emergency light is connected to electricity and the charging indicator does not work normally, please cut off the power immediately take down the light for maintenance.

Routine inspections and testing

The emergency unit has an automatic self-testing function. This will perform a monthly and annual test to ensure the luminaire is operating correctly. Daily/weekly visual checking is advised. Do not obstruct the green LED indicator and check for damage.

Automatic monthly test

- The tests will run within 24 hours of the installation and charging
- Test will automatically reoccur every 30 days.
- If there is a power failure the testing will reset and restart automatically when full power is restored.
- Monthly test simulates emergency functioning mode for 60 seconds, then returns to charging mode.

Automatic annual test

- The tests will run 52 weeks after the luminaire is first powered on and repeats every 52 weeks.
- If there is a power failure within 52 weeks, the testing will reset and restart automatically when full power is restored.
- Annual test simulates emergency function mode until the battery is fully discharged to check its capacity, then returns to charging mode. Recharging will take 24 hours
- The Green LED indicator will pulse slowly during testing.
- If the battery voltage is too low, the LED indicator will flash red and the battery must be replaced.

LED Indicator	Status
LED Green ON	Charging / Fully charged
LED OFF	Emergency mode active
LED Green - slow pulse	Self test mode active
LED Red - slow flash (1s on / 1s off)	Battery is not connected
LED Red - slower flash (1s on / 2s off)	Ambient temperature is out of range (<0°C ~ >40°C) No charging or discharging

Maintenance

Visually check luminaire at least once a year for dirt, damage and/or obstructions

Clean periodically with a damp cloth - do not use chemicals or solvents.

Luminaire location:	Luminaire model:	Installation date:
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Month	Year: _____				Year: _____				Year: _____				Year: _____				Year: _____			
	Date	Result PASS	FAIL	Initials	Date	Result PASS	FAIL	Initials	Date	Result PASS	FAIL	Initials	Date	Result PASS	FAIL	Initials	Date	Result PASS	FAIL	Initials
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
Annual (3hr)																				