

### Safety Warning



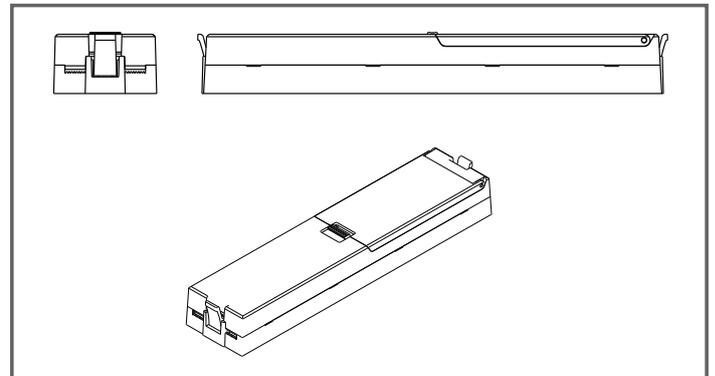
- The installation should be carried out by a qualified electrician in compliance with the current edition of the IEE Wiring Regulations.
- Prior to installation, carry out the necessary risk assessment considering the people who could be at risk, the level of risk and the precautions required to control the risk
- Ensure that the circuit supply is isolated either by the circuit supply fuse being removed or the applicable circuit breaker being turned off before installation or any maintenance.
- Check the total load on the circuit ensuring the luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
- Long-term use and voltage fluctuations can reduce the life span of the fitting.
- If the fitting incorporates control gear, ensure careful sizing to avoid instances of nuisance tripping of the protective device used in the installation.
- Follow the provided installation instructions, using the fixings supplied or recommended.
- Keep out of reach of children.



### Specification

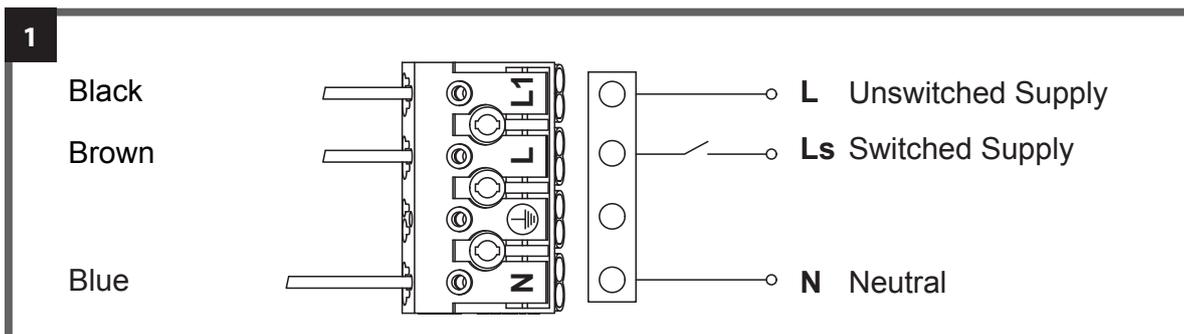
**Box Contents -**  
1 x Linear Plug & Play 240V 3Hr Self Test Emergency Kit

<b>Dimensions:</b>	L: 197 x W: 43 x D: 26mm
<b>Material:</b>	Polycarbonate
<b>IP Rating:</b>	IP20
<b>Guarantee:</b>	5 Year

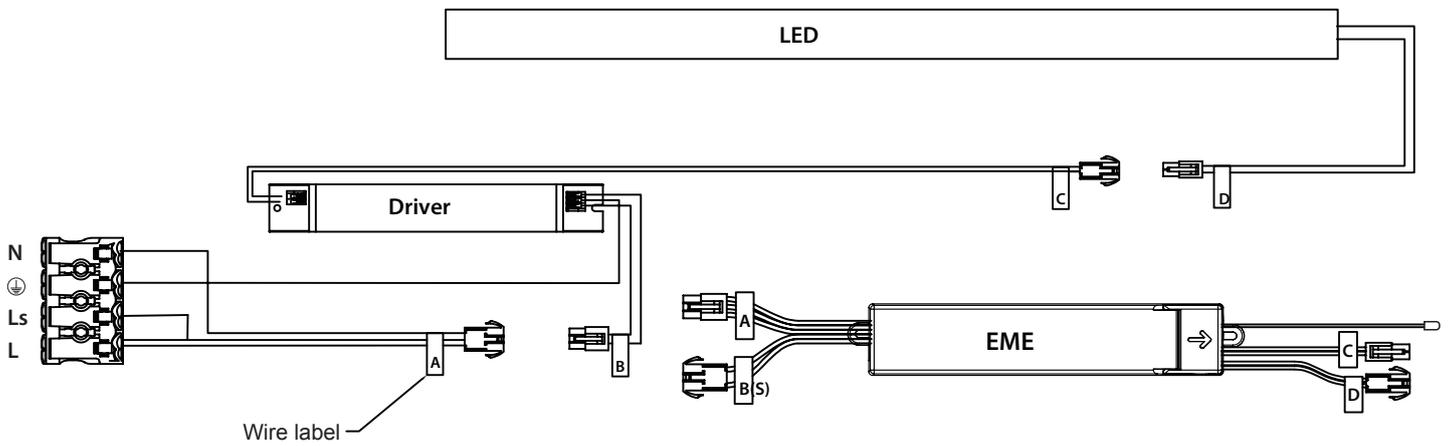


### Installation Instructions

1. Isolate the mains supply before commencing with the installation.
2. Ensure the selected product is suitable and compatible with the emergency pack.
3. Select if the emergency is to be self-test or manual test before commencing with the install (Self-test as standard)
4. Locate the emergency pack installation position and orientation. Locate the foldable mounting legs on the geartray. Follow the wiring guide supplied with the luminaire.
5. Ensure the luminaire has a switched live supply to "Ls" and unswitched live supply "L".
6. Note: If converting to Emergency with the EM Kit (Supplied separate) the luminaire will require a secondary unswitched live supply "L" as well as a switched supply. The unswitched supply "L" must be taken from the same phase as the "switched" supply and must be wired to the same MCB so that upon test, it is isolated at the same time as the switched supply.



7. Ensure cable is neat and tidy to prevent any damage and causing dark spots in future.
8. Connect the battery pack and close the battery cell.



**Wiring Overview** (seek guidance from the Luminaire's Instruction)

Normal Operation:	A-B, C-D	(Terminal block to driver, driver to LED)
Emergency:	A-A, BB, C-C, D-D	(Terminal block to emergency, emergency to driver, driver low voltage, output to emergency, emergency to LED)
Emergency and On.Off Sensor:	A-A, B-B1, B2-B, C-C, D-D	(Terminal block to sensor, sensor to emergency, emergency to driver, driver low voltage output to emergency, emergency to LED)

**Commissioning**

1. Connect the battery first, then restore the unswitched permanent supply.
2. The green LED will flash once per second to indicate the unit is pending its first duration test.
3. A functional test will automatically occur 5 minutes after commissioning to allow initial battery charging.
4. A duration test will automatically occur at a random time between 24 and 48 hours after commissioning to allow sufficient battery charge.
5. Any faults detected during commissioning or testing will be indicated by the LED (see LED indicator table).
6. Disconnecting and reconnecting the battery or mains supply will force the unit to recommission.

**Duration Testing (Automatic)**

- A duration test will automatically occur:
  - At a random time between 24–48 hours after commissioning
  - Then semi-annually or annually at a random time, depending on the selected test interval
- The test will only run once the battery is fully charged.
- A duration test lasts up to 2 hours 50 minutes.
- If a power cut interrupts a scheduled test, the test will be postponed until charging is complete.
- Any duration test fault will be shown via the LED indicator.
- Functional tests will not override duration test faults.
- A full duration test or recommissioning is required to clear duration test faults.

**Functional Testing (Automatic)**

- A 5-second functional test will occur 5 minutes after commissioning.
- A 10-second functional test will occur automatically every 7 days.
- Any faults detected will be shown via the LED indicator.
- Functional tests will not override duration test faults.

**Manual Functional Test**

1. Press the test button for 1–2 seconds.
2. A 2-minute manual functional test will start immediately.
3. Any detected fault will be indicated by the LED.
4. Manual functional tests will not override duration test faults.

**Manual Duration Test**

1. Press and hold the test button for 5–10 seconds.
2. A manual duration test will start once the battery is fully charged.
3. Any detected fault will be indicated by the LED.
4. A full duration test or recommissioning is required to clear duration test faults.

**Pending Duration Test**

- If a scheduled duration test is delayed (for example due to a power cut), the green LED will flash to indicate a pending test.
- The test will automatically reschedule once charging is complete.

**Standard Mode – Manual Testing Only**

- Battery charging may take up to 24 hours before a full 3-hour duration test can be completed.
- Charge for at least 5 minutes before performing a functional test.
- To simulate a mains failure, switch off the unswitched supply or press the test button.
- Replace the battery if the unit fails to meet the rated duration during testing.

**Rest Mode**

- Emergency operation starts automatically when the mains supply fails.
- Rest mode can be activated during emergency operation by double-pressing the test button.
- Rest mode reduces battery discharge by switching off the LED output.
- Rest mode will automatically exit when the mains supply is restored.

## LED Indicator

LED Colour	LED Indication	Description	Status	Standard mode	Self-test mode
Green – permanently on		Normal operation	System healthy	✓	✓
LED off		Emergency mode	Mains failure or mains disconnected	✓	✓
LED off		Faulty condition	Battery disconnected	✓	N/A
Green slow flash (0.5s on/0.5s off)		Self-test mode only	Duration test pending	N/A	✓
Green medium flash (0.25s on/0.25s off)		Self-test mode only	Duration test running	N/A	✓
Green fast flash (0.125s on/0.125s off)		Self-test mode only	Functional test running	N/A	✓
Red – permanently on		Self-test mode only	Battery charging fault	N/A	✓
Red medium flash (0.25s on/0.25s off)		Self-test mode only	Battery duration fault	N/A	✓
Red fast flash (0.125s on/0.125s off)		Self-test mode only	Luminaire fault	N/A	✓
LED off 1s, then red on for 5s		Self-test mode only	26-week duration test interval selected	N/A	✓
LED off 1s, then red fast flash for 5s		Self-test mode only	52-week duration test interval selected	N/A	✓
LED off 1s, then green fast flash for 5s		Standard mode only	Standard (non self-test) mode selected	✓	N/A
LED off 1s, then green/red fast flash for 5s		Self-test mode only	Self-test mode selected	N/A	✓

## Test buttons functionality

Test button	Function	Standard mode	Self-test mode
Hold down	Manual functional test	✓	N/A
Press 1-2s	Manual functional test	N/A	✓
Press 5-10s	Manual duration test	N/A	✓
Press <1s	Confirm the current duration test interval	N/A	✓
Double press <1s	Set the duration test interval	N/A	✓
Double press <1s during emergency mode	Rest mode activated	✓	✓
Triple press <2s	Set test mode (Standard/Self-test)	✓	✓

## Additional Information

To guarantee the rated discharge time, please charge the battery for more than 12 hours. Please ensure that the voltage is 80% higher than the rated voltage, less than 110% of the highest rated voltage.

Charge and discharge cycle needs to be done at least once every three months, and the continuous charging time can not exceed 3 months.

## Guarantee

This product is guaranteed for a period of 5 years from the date of purchase. The guarantee is invalid in the case of improper use, tampering, removal of the Q.C. date label, installation in an improper working environment or installation not according to the current edition of the I.E.E. Wiring Regulations (BS7671). The guarantee is also invalidated if the luminaire has been insulation tested. Should this product fail during the guarantee period it will be replaced free of charge, subject to correct installation and return of the faulty unit. We do not accept responsibility for any installation costs associated with the replacement of this product. Your statutory rights are not affected. We reserve the right to alter specifications without prior notice.