



INSTALLATION & MAINTENANCE MANUAL

EMLED5

GENERAL INSTRUCTIONS

These instructions should be read carefully and retained after installation by the end user for future reference and maintenance.

These instructions should be used to aid installation of the following product:

EMLEDS

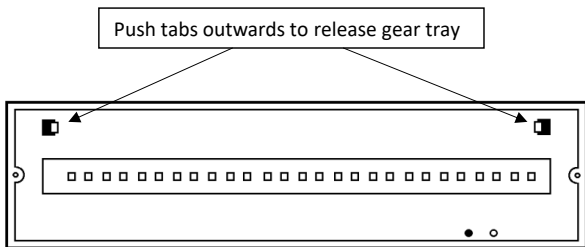
SAFETY

- This product must be installed in accordance with the latest edition of the IEE Wiring Regulations (BS7671) and current Building Regulations. If in any doubt, consult a qualified electrician
- Please isolate mains prior to installation or maintenance
- Check the total load on the circuit (including when this luminaire is fitted) does not exceed the rating of the circuit cable, fuse or circuit breaker
- Please note the IP (Ingress Protection) rating of this product when deciding the location for installation
- This product is Class II double insulated
- This product is IP65 rated

INSTALLATION

- Provide power to the required point of installation. Suitable IP rated junction boxes should be used where required
- Remove the two screws at either end of the fitting to remove the diffuser
- Release the gear tray by pushing the release tabs outwards (see Fig. 1)

Fig. 1



- Mark the location of the fixing holes and drill the holes ensuring not to infringe with any gas/water pipes or electrical cables
- Drill a 20mm hole in the fitting in one of the marked cable entry locations
- Feed the mains cable through the hole using an appropriate compression gland (not supplied) to maintain IP rating
- Wire for non-maintained operation (Fig. 2), maintained operation (Fig. 3) or switched-maintained operation (Fig. 4) as required. Remove the link between LS and L if not required

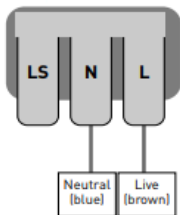


Fig. 2

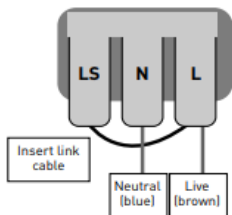


Fig. 3

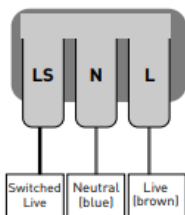


Fig. 4

- Ensure the battery is connected via the plug and socket to the PCB
- Replace the gear tray and diffuser ensuring seal is in place
- Switch on and check for correct operation, ensuring the green indicator LED is illuminated

See below for operation of the self-test function

We recommend, on commissioning the installation, a minimum charge period of 24 hours before carrying out an emergency duration test

If the batteries have been left in a discharged state for an extended period, we recommend that one or more charge and discharge cycles are completed which should help to restore the battery capacity

SELF-TEST FUNCTION

This product is programmed to carry out its own self-test function according to the following programme:

24 hours after first power-on	3-hour duration test
then every 28 days	30 second monthly function test
and every 52 weeks	3-hour duration test

Following self-tests, the unit will go back into charging mode, and any faults will be indicated by the bi-colour LED indicator as follows:

LED indicator	Status
Solid green	Normal conditions / charging / test successful
1 Red flash	Battery fault
2 Red flashes	Lamp fault
3 Red flashes	Duration test failure

NB: power should be cut off and restored to the unit to clear a fault indication once the condition is rectified

Tests can also be initiated manually as follows:

Test button	Green LED	Status
Short press	Off	Emergency mode while test button held in
Press for approx. 5 seconds	Slow flash	Emergency mode for 30 seconds (monthly function test)
Press for approx. 7 seconds	Fast flash	Emergency mode for 3 hours (duration test)
Press for approx. 10 seconds		End the duration test

WARNING

This product must be disconnected from the circuit if subjected to any high voltage or insulation resistance testing. Irreparable damage will occur if this instruction is not followed

GENERAL

Clean the external surfaces with a damp cloth using a mild solution of detergent and warm water only, do not use aggressive cleaning products or solvents which may damage the product.

Do not use any source of high-pressure washers to maintain or clean this luminaire.

Installing in areas where the temperature consistently drops below 0°C may shorten the battery life.

This product is non-dimmable.

This product should be recycled in the correct manner when it reaches the end of its life. Check local authorities for where facilities exist.

The batteries in this luminaire are Nickel Cadmium and must be disposed of correctly. Please contact the local authorities for the disposal of this toxic waste

WARRANTY

This product has a warranty of 3 years (excluding battery) from date of purchase. Failure to install this product in accordance with the current edition of the IEE Wiring Regulations (BS7671), improper use, or removal of the batch codes will invalidate the warranty. If this product should fail within its warranty period it should be returned to the place of purchase for a free of charge replacement. ML Accessories does not accept responsibility for any installation costs associated with the replacement product. Your statutory rights are not affected. ML Accessories reserve the right to alter product specification without prior notice.

TESTING FOR EMERGENCY LUMINAIRES

Recommended routine test procedure in accordance with BS5266:

- Daily check – check status of bi-colour LED indicator
- Monthly functional test – the luminaire will perform this function without any action from the user.
Alternatively, simulate a mains supply failure for approx. 30 seconds by operation of key switch, switching off circuit breaker or using test button. Ensure normal supply is restored after test and check status of bi-colour LED indicator
- Annual three hour duration test – the luminaire will perform this function without any action from the user.
Alternatively, simulate a mains supply failure for three hour continuous test by operation of key switch, switching off circuit breaker or using test button. Ensure normal supply is restored after test and check status of bi-colour LED indicator
- If the luminaire fails any of the above tests, please contact a qualified electrician. Results should be recorded, even when obtained via the self-test function. See below for test record sheet

INTERNATIONAL
CONTACT DETAILS



230V
50Hz

IP65



0~
45°C
TA

ML
ACCESSORIES LTD



**UK
CA** **CE**



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