



# Installation Instructions

Luminaire Code(s) – **ADLED2/M3**

## General Installation Instructions

**These instructions should be read carefully prior to any installation and retained after completion for further reference and maintenance. Please give these instructions to the building owner/occupier after installation.**

### Important Safety

1. Before installation, maintenance or lamp replacement, ensure that the mains supply to the luminaire is switched off and the circuit supply fuses are removed or the circuit breaker is turned off.
2. It is recommended that only a qualified electrical contractor carries out the installation of this luminaire and that the luminaire is installed in compliance with the current edition of the IEE Wiring Regulations.
3. The person carrying out the installation is to check and verify that the total load on the circuit, including that of this luminaire does not exceed the rating of the circuit cable, fuse or circuit breaker.
4. Where a luminaire incorporates discharge control gear (inductive load), the circuit capacity and ratings require careful sizing to avoid nuisance tripping of the protective device used in the installation.
5. Where applicable, careful consideration should be taken during installation to ensure that all fixings and/or suspensions are of a suitable size for the luminaire being installed.


### Ratings

1. All luminaires are manufactured & tested in compliance with the requirement contained within BS EN 60598 and are CE marked.
2. All luminaires that are of Class 1 construction and that are marked accordingly, **MUST** be earthed.
3. All luminaires are designed to operate at 230Volts AC -6% / +10% = 216Volts to 253Volts. Do not operate outside these voltages
4. All luminaires are only suitable for applications within their rated Ingress Protection limits as stated.
5. **Max Ambient Temperature 25°C**

### Installation

- Remove the diffuser from the base by releasing the captive screws around the edge of the luminaire.
- Loosen the gear tray retaining screws.
- The gear tray will hinge down to allow access to the base for mounting.
- Select a suitable cable entry point by drilling into the base.
- Position and fix the base to a suitable solid surface using screws supplied, rubber washers or sealant should be applied around the screw heads to reduce water ingress if the luminaire is to be mounted externally, or in damp or wet locations.
- Pass supply cable into the luminaire through previously selected entry ensuring that a cable gland, grommet or sealing compound is used to maintain the IP rating of the luminaire.
- Terminate the cable into the terminal block mounted on the underside of the gear tray ensuring correct polarity is observed and that the luminaire is earthed.
- Gear tray can now be hinged back into position and secured, and retighten the retaining screws.
- Re-fit the diffuser, do not over-tighten the screws.
- Restore the mains supply, switch on and test for satisfactory operation.

### Installation of Emergency Luminaires – Additional Instructions to above

Connect as follows:-	PERMANENT LIVE	(L)	BROWN OR RED	(continuous)
	LIVE	(L)	BROWN OR RED	(switched)
	NEUTRAL	(N)	BLUE OR BLACK	
	EARTH		GREEN / YELLOW	

For a switched Maintained operation, connect as above. For a continuous Maintained operation, install a continuous live to the permanent live terminal and fit a link between live and permanent live.

- Connect the battery lead. This is not connected for safety reasons during transit.
- Restore power supply, switch on and test operation. A 24 hour period is required for battery to charge fully.

### Warning

- Failure to comply with these instructions may result in irreparable damage to the emergency control gear.
- This product must not be modified in any way as this will negate any Safety approvals, and may render the product inoperable or unsafe. The product must be installed in accordance with the instructions.



**Operating and recommended Routine Test Procedure**

Follow these instructions carefully to ensure safe and reliable operation of this emergency luminaire.

The following testing is designed to ensure the continued protection of your premises and occupants, in the event of the possibility of a failure of the normal lighting supply.

Testing should be carried out in accordance with the recommendations of BS5266.

- **A daily check** – check LED charge indicator is illuminated
- **A monthly functional test** – simulate a mains supply failure for approx. 30 seconds by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated.
- **Twice yearly, a one hour duration test** - simulate a mains supply failure for a one hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated.
- **Every three years, a full three hour duration test** - simulate a mains supply failure for a three hour continuous test by operation of key switch or switching off circuit breaker. Ensure normal supply is restored after test and ensure charge indicator is illuminated.

To assist with this testing, a test record is included. If the luminaire fails any of the above tests, please contact a qualified electrician.

**TEST RECORD SHEET**

MONTH	TEST	FIRST YEAR		SECOND YEAR		THIRD YEAR		FORTH YEAR		FIFTH YEAR	
		Signed	Date	Signed	Date	Signed	Date	Signed	Date	Signed	Date
1	FUNCTIONAL										
2	FUNCTIONAL										
3	FUNCTIONAL										
4	FUNCTIONAL										
5	FUNCTIONAL										
6	1 HOUR										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	3 HOUR										



**Maintenance:**

1. This luminaire contains no serviceable parts.



**Disposal of Electronic Equipment WEEE Directive 2002/96/EC**

This product falls within the scope of the Waste Electrical & Electronic Equipment Directive (WEEE), which means the product should not be disposed of as normal household waste. Ensure that this luminaire and lamp is disposed of in accordance with the WEEE Directive. Contact a local Council Waste Dept. Local Amenity Site, or the DTI for further information.  
**RoHS** - All components and materials used in this product are **RoHS** 2002/95/EC compliant.

