

Installation Instructions

Luminaire Code(s) – **ADE418/HF & ADE436/HF**

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 carrying the ∇ mark are suitable for installation on to normal flammable surfaces.
3. All luminaires that are of Class 1 construction and that are marked accordingly, MUST be earthed.
4. All luminaires are designed to operate at 230V 50Hz AC -2% / +10% = 225V to 253V. Do not operate outside these voltages
5. All luminaires are only suitable for applications within their rated Ingress Protection limits as stated.

Installation

- Remove the fitting and framed diffuser from the packaging.
- Remove the eight screws that retain the framed diffuser in place.
- This fitting must be connected directly to a Mains Voltage supply.
- Terminate the supply cable into the terminal block mounted on the rear of the fitting, having first passed it through the designated hole in the rear body of the luminaire, ensuring correct polarity is observed and that the luminaire is earthed.
- This luminaire is supplied with "Lumafix" brackets. The bracket is fixed to the fitting by pushing the hook end through a fixed key hole slot in the side of the luminaire, from the inside of the fitting outwards.
- This luminaire is suitable for both suspended and plasterboard ceilings. Verify suitability with the ceiling manufacturer.
- Once the luminaire is in position, rotate the turnbuckle on the bracket clockwise to lock into place.
- Obtain and install the lamps, selecting 4 No. of the same wattage from the following table:-

(Ansell recommend the use of recognised branded lamps in all luminaires.)

Lamp Wattage	Lamp Cap	Pins	Gear	Description
18W	G13	Bi-pin	HF	18Watt T8 Linear Fluorescent
36W	G13	Bi-pin	HF	36Watt T8 Linear Fluorescent

- Replace the framed diffuser into the fitting making sure that it is perfectly aligned taking care not to damage the neoprene gasket seal. Failure to do this may harm the Ingress Protection of this fitting.
- Restore power supply, switch on and test for satisfactory operation.
- Do not under any circumstances, install insulating or other material over the top of this luminaire.

Installation of Emergency Luminaires – Additional Instructions to above

Connect as follows:-	PERMANANT LIVE	(L)	BROWN OR RED	(continuous)
	LIVE	(L)	BROWN OR RED	(switched)
	NEUTRAL	(N)	BLUE OR BLACK	
	EARTH	\oplus	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 to the positive battery terminal. 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.
- **Every year, 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.

Should the fitting fail to achieve the required 3hour duration, the batteries are to be changed immediately.

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	FUNCTIONAL										
7	FUNCTIONAL										
8	FUNCTIONAL										
9	FUNCTIONAL										
10	FUNCTIONAL										
11	FUNCTIONAL										
12	3 HOUR										

IP54 (from below) IP20 (from above)



Maintenance:

1. Where applicable, it is important to ensure failed lamps are replaced immediately in order to prevent damage to the control gear.
2. Always replace lamps with the same lamp type and wattage as supplied. When replacing Metal Halide Lamps it is important to note that there are different types of Metal Halide Lamps and some types of lamps will not be suitable for use with the control gear fitted within this luminaire. If you are in doubt, please contact your equipment supplier or Ansell Lighting for further advice.



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.



Additional Live For Maintained Emergency

