Description – Freska LED 9W, 12W & 18W
Emergency Pack

Installation Instructions

Luminaire Code(s) - **AFRLED/M3/ST**

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 / device is switched off and the circuit supply fuses are not blown or the circuit breaker is in the off position.
2. It is recommended that only a qualified electrical contractor carries out the installation of this luminaire / device and that this luminaire / device is installed in compliance with the current edition of the IEE Wiring Regulations.
3. Before installation, ensure that the luminaire is suitable for the intended use and verify that the total load on the circuit, including that of this luminaire / device does not exceed the rating of the circuit table, fuse or circuit breaker.
4. Where applicable, careful consideration should be taken during installation to ensure that all flange and/or suspensions are of a suitable size for the luminaire being installed.

Ratings

1. All luminaires / devices are manufactured & tested in compliance with the requirement contained within BS EN 60598 and are CE marked.
2. All luminaires / devices are suitable for use in ambient temperatures of 25°C maximum, 10°C minimum, 35°C maximum.
3. All luminaires / devices are designed to operate at 230Volts AC, 50Hz±10% or 240Volts AC, 60Hz±10% or 230Volts, 50 or operate outside these voltages.
4. All luminaires / devices are only suitable for applications within their rated Ingress Protection limits as stated.

Exclusions to Warranty

Please Note – The limited warranty shall be null and void in the following circumstances:-

Failure by the installer, and user or any third party to exercise caution to protect any covered product or part from outside damage, adverse temperature (normal operating ambient temperature 0 - 25°C), humidity conditions, fluctuations in the electrical system or physical abuse as well as failure related to workmanship in the installation of the products or parts.

INSTALLATION

Note – This product is compatible with the Ansell AFRLED3120, AFRLED1718/ and AFRLED2330 ONLY.
Note – Transformer must be connected to the AFRLED/M3/ST Downlight before installation.
Note – Wattage must be set before installation (9W, 12W or 18W).

- Remove the existing LED driver from the AFRLED/ by disconnecting the male / female connectors.
- Connect the AFRLED/M3/ST emergency pack to the AFRLED/ LED Downlight replacing the driver. (Please note the pack has a male & female connector).
- **Set wattage switch on the side of the inverter to match that of LED downlight.**
- Ensure the installation location provides adequate distance from water pipes, electrical cables, ceiling joists or any other structural obstacles.
- Connect the battery leads to the Driver / Inverter pack.
- Connect the mains supply cable to the AFRLED/M3/ST. Ensuring correct polarity is observed (please see below for electrical connections).

Electrical Connection

Connect as follows: -

PERMANENT LIVE	(L)	BROWN	(Continuous)
SWITCHED LIVE	(L1)	BLACK	(Switched)
NEUTRAL	(N)	BLUE	
EARTH	⏚	GREEN / YELLOW	

Self-Test :

The Self-Test function can be disabled by removing the Green Cap from the PCB as shown in Fig.1

- Drill a 28mm hole for the LED housing. This must be located in close proximity for the Freska LED downlight.
- Feed the LED indicator into the aperture and locate inside the LED housing.
- Feed the AFRLED/M3/ST emergency pack into the aperture and install the AFRLED LED Downlight.
- Follow the instructions for the AFRLED/
- Offer the LED Freska into the aperture.

Please Note :-

- **Do NOT cover with thermal insulation.**
- **Do not extend any cable connections.**
- **One fixture per pack only.**

Issue 1.1

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Self-Test

Operating and recommended Routine Test Procedure

Please refer to the literature below as to the functionality of Self Test Emergency.
Read these instructions carefully to ensure safe and reliable operation of this emergency luminaire. The following operations are 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.

- The self-test unit inside this product is designed to test the fitting in accordance with current legislation BS EN 62034:2012.
- When the unit is first installed the fitting will randomly select a test date of between 200 and 365 Days.
- Once this date is set it will continue to test at the same time every year for a full 3 hour test.
- Once the product has been on charge for 24hrs, the luminaire will discharge for 5 seconds for test purposes.
- Every 30 days the installation will be tested for 10 minutes.
- The luminaire will show a constant Green LED in normal condition.

During the emergency testing the luminaire will test the following:

- The battery connection
- Emergency operation time

Should a fault occur then the following can be observed:-

- If there is a failure of the battery such that it becomes disconnected then there will be a continuous red LED.
- If the system fails the 10minute / 3 hour duration test then the red LED will flash slowly

If there is a fault indicated as per any of the above and the luminaire is repairable, the indicated fault will not cease until the repair has been completed and the supply is reinitiated.

Should there be a supply failure to the luminaire the emergency mode will activate. When the supply is reinitiated, the luminaire will continue with the same testing period as before. The self-test data will be stored within the luminaire for 7 Days.

Warning

- Disconnect the mains supply and unplug the battery leads before working on the unit.
- 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.

IP20

1.This luminaire contains no serviceable parts.
2.The battery in this appliance can be replaced, but should only be undertaken by qualified personnel.
3.The emergency battery pack will need to be replaced after 3-4 years of use. Replace the battery with one of the same size and with the same specification. (Battery Specification 7.2V 3000mAh Ni-Cd.)
4. If after the full three-hour duration test the appliance does not meet the rated duration then either the battery or whole fitting must be replaced.

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 Environment Agency for further information. **RoHS** - All components and materials used in this product are **RoHS** 2002/95/EC compliant.

Additional Use For Maintained Emergency

Unswitched Live

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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 BS5266-8-2004.

- **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.

Warning

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- Failure to comply with these instructions may result in irreparable damage to the emergency control gear.
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Operating and Recommended Routine Test Procedure

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										

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