



Description – Gamma Mini LED Emergency



Installation Instructions

Luminaire Code(s) – **AMGAMLED/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.

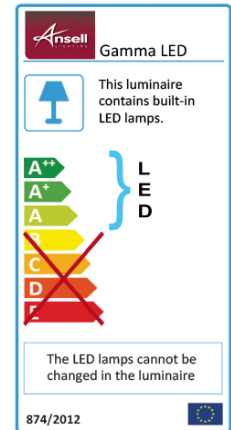
Ratings

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 252Volts. Do not operate outside these voltages.
4. All luminaires are only suitable for applications within their rated Ingress Protection limits as stated.
5. **This luminaire is designed for internal use only.**

Exclusions to Warranty

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

Failure by the installer, end user or any third party to exercise caution to protect any covered product or part from outside damage, adverse temperature (normal operating ambient temperature 5 - 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

- Remove the mounting bracket from the main body of the fitting by releasing the two captive retaining screws.
- Select a suitable firm surface for the mounting bracket, place the bracket on the surface and then mark position of fixing centres.
- Position and fix the bracket to the surface using screws supplied.
- Remove the terminal cover from the back of the fitting.
- Terminate the cable into the terminals ensuring correct polarity is observed.

Installation of Emergency Luminaires – Additional Instructions to above

Connect as follows :-	PERMANENT LIVE	(PL)	BROWN OR RED	(continuous)
	LIVE	(SL)	BROWN OR RED	(switched)
	NEUTRAL	(N)	BLUE OR BLACK	

- 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.
- Replace the terminal cover.
- Remove the rubber bung located on the back of the housing and ensure the Battery is switched on for emergency operation – see below.



Note

- If removing the Trim Ring, twist anti-clockwise to stopper and pull the Trim Ring away from the fitting.
- It is the responsibility of the installer/specifier to determine the suitability of this luminaire for the application. Luminaire types with high IP rating protection may not be suitable for installations with prolonged daily use due to accumulative heat not being able to dissipate from the luminaire body, affecting life span of components.
- **Do not leave in emergency mode for prolonged periods over 12hrs. This can lead to irreparable damage to the battery pack,**
- Re-fit the main body to the mounting bracket taking care to ensure that the cable is not trapped.
- Restore power supply, switch on and test operation.
- A 48 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.



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.


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										



Maintenance:

- 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 4.8V 2Ah 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.

