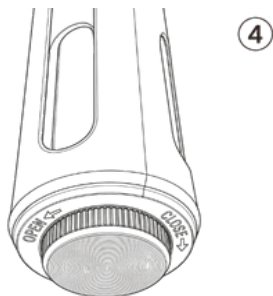
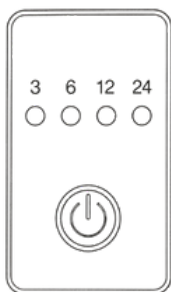
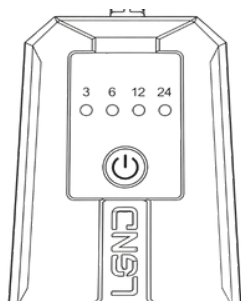




ECLIPSE

Mini Intelligent UV-C Lamp

INSTRUCTION MANUAL



- ① Sterilising Lamp Unit ② Timer Button ③ Timer ④ Adjustment Knob

Programmable Mini Intelligent UV-C Sterilising Lamp

Mini Intelligent UV-C Lamp

Eclipse Internal UV-C Lamp

Eclipse Sterilising Lamp

The LGND Eclipse Internal UV-C sterilising lamp has been tested and inspected to ensure safe and reliable performance. To prevent unnecessary injury or damage caused by improper operation or maintenance, please read and understand these instructions carefully before use. Keep this manual for future reference.

Product Features

- Adjustable Health and High-Efficiency operating modes
- Four daily timer settings: 3, 6, 12 or 24 hours
- UV wavelength designed for aquarium sterilisation and algae control
- Effectively destroys harmful microorganisms and helps prevent disease
- Purifies the water and inhibits algae growth
- Made with high-grade quartz glass for more effective sterilisation
- Designed for submerged sterilisation
- Compact, detachable design
- UV-resistant housing and waterproof construction for long-lasting durability
- New Mini Intelligent UV-C Lamp Design

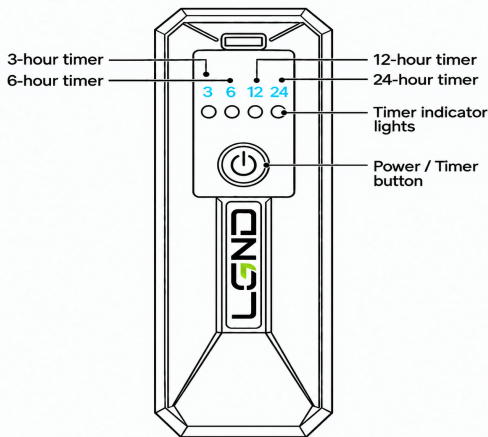
Model NO.	Voltage	Power Consumption (W)	Tank Volume
3W-U1S	220-240 V~ 50/60 Hz	3W	≤200 L
5W-U2S	220-240 V~ 50/60 Hz	5W	200-500 L

New Mini Intelligent UV-C Lamp Design

The integrated silicone waterproof end cap provides multiple seals around the lamp tube, offering excellent waterproof performance while allowing easy assembly and disassembly.

Compared with conventional rigid-plastic end caps, the new silicone waterproof end cap is more resistant to ultraviolet radiation. Its flexible material is also less likely to become damaged if knocked or impacted.

Rigid-plastic end caps can crack after prolonged exposure to ultraviolet radiation. This not only affects their appearance but can also compromise safety and make the product unsuitable for continued use.



Operating Instructions

Power / Timer Button:

Press the Power / Timer button repeatedly to select the desired operating mode:

ON → 3H → 6H → 12H → 24H → OFF

The indicator light below the selected duration illuminates. The operating cycle begins immediately after the mode is selected.

Timer Modes:

- ON: The UV-C lamp operates continuously without an automatic timer.
- 3H: The UV-C lamp operates for 3 hours.
- 6H: The UV-C lamp operates for 6 hours.
- 12H: The UV-C lamp operates for 12 hours.
- 24H: The UV-C lamp operates continuously.
- OFF: The UV-C lamp and timer are switched off.

Automatic Daily Cycle:

In 3H, 6H or 12H mode, the UV-C lamp operates for the selected number of hours and then switches off automatically.

The same operating cycle repeats every 24 hours, beginning at the time at which the timer mode was originally selected.

For example, if 3H mode is selected at 12:00, the UV-C lamp operates until 15:00. It then switches off automatically and restarts at 12:00 the following day.

Memory Function:

The timer stores the selected operating mode.

Following a temporary interruption to the power supply, the UV-C lamp resumes operation using the previously selected mode when power is restored.

The starting time of the automatic cycle may shift according to the duration of the power interruption.

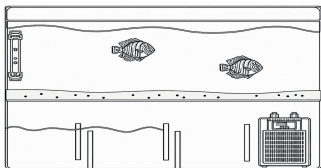
Installation and Use

(Fig. A) Aquarium Installation

Attach the unit securely to a clean, flat aquarium surface using the suction cups. Install the unit fully submerged and position it where water can circulate freely around the housing.

When the unit is used in an aquarium containing fish, always select Shading Mode. Never allow direct UV-C radiation to reach fish, people or animals.

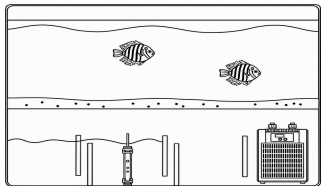
Keep the timer controller, mains plug and all non-submersible electrical connections outside the aquarium.



Installation Inside the Aquarium

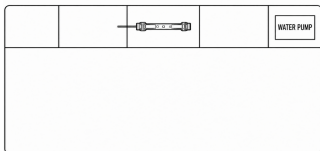
(Fig. B) Sump Installation

The unit may be operated in Exposed Mode only when installed inside a fully enclosed, non-transparent filter chamber from which UV-C radiation cannot escape.



The sterilising lamp must be installed in a filter chamber that remains filled with water at all times.

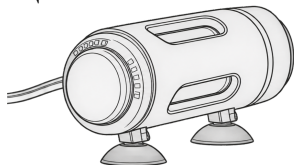
(Fig. C) Overhead Filter Installation



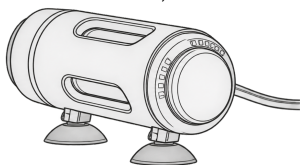
The sterilising lamp must be positioned horizontally inside the Overhead Filter Installation



High-Efficiency Mode



Health Mode



General user instructions

Information on using the operating manual



- Before using the appliance for the first time, the operating manual must be read fully and understood.
- Consider the operating manual as part of the product and keep in a safe and accessible location.
- Enclose this operating manual if passing the appliance on to a third party.

Symbol explanation

The following symbols are used on the appliance.



The symbol indicates imminent danger from UVC radiation that can result in injury to skin and eyes.



Do not look directly at the UV-C lamp. Direct exposure to UV-C radiation is prohibited.

IPX8

The symbol indicates that the equipment is protected against water ingress during continuous immersion.



Store the appliance in a frost-proof place.



The appliance is certified according to the relevant national regulations and directives, and conforms to EU standards.

The following symbols and signal words are used in this operating manual.



DANGER!

Risk of serious personal injury or death from a general source of danger.



DANGER! Electric shock!

Danger of electric shock with the risk of serious personal injury or death.



DANGER! Mercury poisoning!

The symbol indicates imminent danger that can result in a health hazard.



WARNING!

Danger of serious personal injury or health hazard.



WARNING! UV radiation!

The symbol indicates imminent danger from UV radiation that can result in injury to skin and eyes.



CAUTION!

Note on the risk of material damage



Note with useful information and tips.

Fig. A Reference to an illustration



Note with useful information and tips.

Application

The appliance and all parts included in the scope of delivery are intended for private use and must only be used:

- to disinfect aquarium water
- in compliance with the technical data

The following limitations apply to the appliance:



- never operate the LGND Eclipse Internal UV-C outside an aquarium, sump or enclosed filter chamber.
- do not use for commercial or industrial purposes
- do not pump caustic, inflammable, aggressive or explosive substances, salt water or drinking water
- do not use in swimming ponds
- the water temperature may not exceed +35°C
- never operate without a water flow
- avoid placing in direct sunlight

Safety

Risks for persons and property can arise from this appliance if the appliance is improperly used or not used as intended or if the safety instructions are not heeded.

For your safety

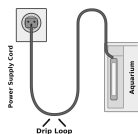


- Do not let the appliance packaging and small parts get into the hands of children or people who are unaware of how to handle them, as hazards can arise (danger of suffocation!). Keep away from animals.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they are under the supervision of someone responsible for their safety or have received instruction on usage of the appliance from said person. Children should be supervised to ensure that they do not play with the appliance.
- Only for European markets:
- This appliance can be used by children from the age of 8 and by persons with reduced physical, sensory or mental capabilities or lack of experience and/or knowledge if they are supervised and have been instructed in the safe use of the appliance and have understood the resulting dangers. Children must not play with the appliance. Cleaning and user maintenance must not be carried out by children unless they are supervised.
- Before use, carry out a visual inspection to ensure that the appliance, especially the mains cable and plug, are undamaged.

- Do not use the appliance if it is not working properly or is damaged.
- Do not pull or carry the appliance at the mains cable. Pull on the plug and not on the cable or appliance in order to disconnect from the power supply.
- Protect the mains cable against heat, oil and sharp edges.
- The mains cable of the appliance cannot be replaced. If the mains cable is damaged, the appliance must be scrapped.
- Only carry out the work described in these instructions.
- Never make technical modifications to the appliance.
- Only use original spare parts and accessories for the appliance.
- Repairs must only be carried out by an LGND service centre.
- Do not expose the appliance to temperatures below +4°C or over +35°C
- Avoid placing in direct sunlight.



- The electrical installations must comply with the international and national erection specifications.
- The appliance must be protected by a residual current protection appliance with a maximum rated residual current of 30 mA.
- Immediately disconnect the appliance from the power supply if the residual current protection device trips.
- Unless it is being used, disconnect the appliance before you install or remove any parts and before all cleaning and maintenance work on the power supply.
- Protect the mains socket and mains plug against moisture and wetness. A drip loop must be formed with the mains cable. This prevents any water running to the mains socket, which would result in a short-circuit.
- The electrical data of the appliance must match the data of the power mains.
- This data is found on the type plate, the packaging and in these instructions.
- Only connect the appliance to a correctly installed protective contact mains socket.
- Extension cables and power distributors must be suitable for use (protected against splashing water).



- Never operate the UVC lamp outside the appliance. Unintended use of the appliance or damage to the housing may result in the emission of dangerous UVC radiation. UVC radiation can cause injury to eyes and skin, even at low dosage levels.
- Never look into the UVC lamp's light.



- The tubes in the UVC lamp contain toxic mercury. If mercury vapours are inhaled, there is a risk of poisoning. Therefore exercise caution when using the UVC lamp and do not damage it. Never look into the UVC lamp's light.

Commissioning

Use

The LGND Eclipse Internal UV-C can be operated in aquarium or sump as shown in Figures A, B and C.

Setting up the UVC lamp



DANGER! UVC lamp contains mercury!

- ▶ Handle the UVC lamp with care.
- ▶ **DANGER OF BREAKAGE!** Do not touch the glass element directly with your fingers. Instead, always use a soft cloth or similar item.



WARNING! UV radiation!

- ▶ Never operate the LGND Eclipse Internal UV-C outside an aquarium, sump or enclosed filter chamber. The unit must be fully submerged and installed as shown in Figures A, B or C. Operating the unit outside these approved installation locations may expose people, animals or fish to dangerous UV-C radiation and may cause injury to the eyes and skin.

1. Insert the provided UVC lamp into the aquarium. (see **chapter Installation and Use**).

The LGND Eclipse can be installed inside an aquarium or sump as shown in Figures A, B and C

For effective water treatment, attach the LGND Eclipse Internal UV-C to one of the side panels or to the rear glass of the aquarium. Position it so that the water flow from the filter is directed towards and around the unit. To do so, proceed as follows:

1. Clean the selected area of the aquarium glass.
2. Secure the LGND Eclipse Internal UV-C vertically to the side or rear glass using the supplied suction cups.
3. Ensure that the entire UV-C lamp assembly is fully submerged.
4. Position the filter outlet so that the water flow is directed towards the LGND Eclipse Internal UV-C and circulates freely around it.
5. Check that the unit is firmly secured before switching it on.

Attaching the LGND Eclipse inside the sump (Fig. B)

For effective water treatment, install the LGND Eclipse Internal UV-C in a sump chamber with continuous water circulation. The unit can be attached to one of the side panels, to the rear glass or to the bottom of the sump. To do so, proceed as follows:

1. Select a sump chamber that remains permanently filled with water.
2. Clean the selected glass surface.
3. Secure the LGND Eclipse Internal UV-C to the side panel, rear glass or bottom of the sump using the supplied suction cups.
4. Ensure that the entire UV-C lamp assembly is fully submerged.
5. Position the unit where water can flow freely around it and where the openings in the protective housing are not obstructed.
6. Check that the unit is firmly secured before switching it on.

Installing the LGND Eclipse horizontally inside an overhead or enclosed filter chamber (Fig. C)

For effective water treatment, the LGND Eclipse Internal UV-C can be installed horizontally on the bottom of the aquarium or sump. It must be positioned in an area with strong and continuous water circulation. To do so, proceed as follows:

1. Select an area with strong and continuous water flow.
2. Clean the selected glass surface.
3. Secure the LGND Eclipse Internal UV-C horizontally to the bottom using the supplied suction cups.
4. Ensure that the entire UV-C lamp assembly is fully submerged.
5. Make sure that the protective housing openings are not covered or obstructed by substrate, equipment or other objects.
6. Check that water can circulate freely around the entire unit.
7. Check that the unit is firmly secured before switching it on.

Operation

Switching on the LGND Eclipse Internal UV-C



DANGER! Electric shock!

- Ensure that the controller, mains plug and all electrical connections remain outside the aquarium or sump and completely dry.
- Never connect or disconnect the appliance with wet hands.



CAUTION! Material damage.

- Never operate the LGND Eclipse Internal UV-C outside the water or when only partially submerged.
- The UV-C lamp assembly must be fully submerged before it is switched on. The surrounding water cools the UV-C lamp.
- 1. Secure the LGND Eclipse Internal UV-C in the selected position using the supplied suction cups.
- 2. Ensure that the entire UV-C lamp assembly is fully submerged and that the openings in the protective housing are not obstructed.
- 3. Check that the unit is firmly attached and that water can circulate freely around it.
- 4. Insert the mains plug into the mains socket. The Power button indicator illuminates.
- 5. Press the Power button. The selected timer indicator illuminates and the UV-C lamp begins operating according to the selected mode.

Switching off the LGND Eclipse Internal UV-C



1. Press the Power button to stop operation.
2. Remove the mains plug from the mains socket.

Important: Always switch off and unplug the LGND Eclipse Internal UV-C before switching off the water circulation or removing the unit from the water.

Maintenance



DANGER! Electric shock!

- All appliances must be disconnected from the power supply before any maintenance work is carried out.



DANGER! Mercury hazard!

- **Handle the UVC lamp with care.**

► DANGER OF BREAKAGE! Do not touch the glass element directly with your fingers. Instead, always use a soft cloth or similar item.



WARNING! UV radiation!

- Never operate the UVC lamp outside the appliance. Unintended use of the appliance or damage to the housing may result in the emission of dangerous UVC radiation. UVC radiation can cause injury to eyes and skin, even at low dosage levels.



CAUTION! Material damage.

- Do not use hard objects or aggressive cleaning agents for cleaning.

Clearing faults



DANGER! Electric shock!

- Before clearing faults, remove the mains plug.

Fault	Possible cause	Remedy
UVC lamp does not illuminate	No mains voltage	▶ Check the mains voltage ▶ Check the supply line
	Mains plug is not inserted	▶ Insert the mains plug in the mains socket
	UVC lamp is defective	▶ Replace the UVC lamp
Water is not clear Quartz glass sleeve is dirty		▶ Clean the glass bulb
	UVC lamp no longer works	▶ Replace the UVC lamp
	Mains plug is not inserted	▶ Insert the mains plug in the mains socket

For other faults, please contact LGND Service.

Decommissioning

Storing and overwintering



1. Clean the appliance
2. Store the appliance in a frost-proof place.

Disposal



When disposing of the appliance, pay attention to the relevant statutory regulations.

Information on the disposal of electrical and electronic appliances in the European Union: Within the European Union, disposal of electrically operated appliances is governed by national regulations that are based on the EU Directive 2012/19/EU on waste electrical and electronic equipment (WEEE). The appliance may no longer be disposed of with the municipal or household waste. The appliance will be accepted free of charge at municipal collection points or recycling centres. The product packaging is made up of recyclable materials. Dispose of them in an environmentally responsible manner and take them for recycling.

Guarantee

The LGND Eclipse Internal UV-C is covered by a two-year limited guarantee beginning on the date of delivery to the original purchaser.

This guarantee covers defects in materials and workmanship occurring during normal use and in accordance with the operating instructions. It includes premature failure of the original UV-C lamp, controller and other electrical components.

The UV-C lamp is replaceable. Before replacing the lamp, disconnect the unit from the power supply and remove it from the water.

Replacement must be carried out strictly in accordance with the instructions provided in this manual. Use only a compatible replacement UV-C lamp of the correct type and power rating.

If a covered defect occurs during the guarantee period, the defective component or complete unit will be repaired or replaced at our discretion, free of charge.

This guarantee does not cover:

- Normal wear and deterioration;
- The normal reduction in UV-C output over time;
- Replacement of the UV-C lamp following the end of its normal service life;
- Accidental damage;
- Damage caused by improper installation, operation or maintenance;
- Operation outside the water or while only partially submerged;
- Restricted water circulation or obstructed housing openings;
- Damage caused by limescale, dirt or inadequate cleaning;
- Damage caused by incorrect removal, installation or replacement of the UV-C lamp;
- Damage to the quartz glass sleeve or other components caused during lamp replacement;
- Unauthorised modification or repair;
- Use of an incompatible replacement lamp;
- Use with an unsuitable power supply;
- Damage to the controller, mains plug or electrical connections caused by water ingress.

To make a guarantee claim, contact the retailer from whom the product was purchased and provide proof of purchase, the product model and a description of the fault. The product may need to be returned for inspection. Where the claim is valid, reasonable return costs will be covered. This commercial guarantee is provided in addition to, and does not affect, your statutory rights under applicable consumer law.

ECLIPSE INTERNAL UV-C UV LAMP REPLACEMENT DIAGRAM



SAFE
UV Protection



RELIABLE
High Performance



EFFICIENT
Clear Water

3W / 5W
UV LAMP POWER

1 POSITION THE UNIT



Position the unit vertically.

2 UNSCREW TOP CAP



Unscrew the top cap (clockwise).

4 REMOVE TOP CAP



Gently pull the UV lamp straight out of the socket.

5 REMOVE UV LAMP



Gently pull the UV lamp straight out of the quartz glass sleeve.

6 REMOVE UV LAMP FROM CAP



Carefully pull the UV lamp out of the socket.

7 INSERT NEW UV LAMP INTO CAP



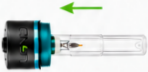
Insert the new UV lamp into the socket.

8 INSERT UV LAMP INTO SLEEVE



Insert the UV lamp fully into the glass sleeve.

9 INSERT QUARTZ GLASS SLEEVE INTO PLACE



Insert the Quartz Glass Sleeve fully into place.

10 REATTACH TOP CAP



Push the top cap back onto the unit securely.

11 SECURE TOP CAP



Screw the top cap (counter-clockwise) until fully secure.

12 UV LAMP REPLACEMENT COMPLETE



UV lamp replacement is complete.

IMPORTANT SAFETY NOTES

- Always disconnect power before performing any maintenance.
- Never look directly at the UV light.
- Avoid direct skin or eye exposure to UV light.
- Handle the glass UV lamp with care. It may break.
- Replace any damaged UV lamp immediately.



RECOMMENDED MAINTENANCE

Replace the UV lamp every 6-12 months for optimal performance.
Clean the glass sleeve regularly to maintain UV efficiency.

COMPATIBLE PARTS



UV Lamp 3W / 5W



Quartz Glass Sleeve

Date of Purchase

Model NO.	Serial NO.	Watt	Signature



Contact: LGND Service Centre
01293 510787 (Weekdays 10:30–17:30)
E-mail: support@lgndadn.co.uk

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