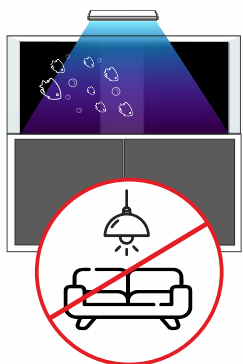


INSTRUCTION MANUAL  
**GIESEMANN**  
AQUARIENLEUCHTEN

MINOX



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## SCOPE OF DELIVERY & SAFETY INSTRUCTIONS

Dear customer, thank you very much for your confidence in the Giesemann quality products. Our experience in the field of aquaristics as well as in modern lighting technology guarantee the quality standard of our products. Please read these operating instructions carefully to ensure optimum function and operational safety for years to come.

Failure to observe the following points may be dangerous or even violate existing directives.



Read and observe these operating instructions in full before commissioning and use of the lamp. By commissioning the luminaire, you also agree to our guarantee and warranty conditions at the same time. A warranty claim for this product is only given in case of a total failure or a failure of more than 5% of the LED, since the resulting slight change in luminous flux of the luminous flux corresponds to the power tolerance of a light source. The failure of individual LED chips is expressly excluded from any liability for liability. No guarantee or warranty is given for damage or defects, or defects caused by non-observance of the operating instructions, neglected care, technical modifications or unsuitable ambient conditions. The warranty does not cover damage or defects caused by failure to observe the operating instructions, neglected care, technical modifications or unsuitable ambient conditions. If you do not agree with the enclosed guarantee/warranty conditions, also in the If you do not agree with the enclosed guarantee/warranty conditions, even in part, please do not operate this product. The products are designed and constructed for private domestic use. They are intended exclusively for the illumination of aquariums and terrariums and are not general lighting. Therefore, they are not subject to the Labelling obligation according to energy efficiency classification 874/2012 + 1194/2012



Giesemann accepts no liability for the consequences of improper use and non-observance of the installation instructions.



Make sure that all cables run without kinks, are not routed over sharp edges (e.g. your aquarium cover), are not trapped and do not touch any hot surfaces.



The luminaires must never be operated without the appropriate protective diffusion screens. Damaged protective screens must be replaced immediately to ensure adequate splash protection. Damaged protective screens must be replaced immediately to ensure adequate protection against splash water.

## SCOPE OF DELIVERY & SAFETY INSTRUCTIONS



All Giesemann luminaires are equipped with the CE mark. This mark can usually be found on the type plate in the luminaire or on the external control box.



After unpacking the luminaire, please check that it is in perfect condition and the scope of delivery for completeness. Any damage must be reported to your immediately to your specialist dealer in order to assert any warranty claims. warranty claims.



The luminaires may only be installed by authorised specialist personnel. These luminaires must not be operated if damage is visible, a malfunction occurs, or after a fall. malfunction, or following a fall, immersion in water or other defect. other defects.



The luminaires must never be operated without the appropriate protective screens. damaged protective shields must be replaced immediately to ensure adequate protection against to ensure adequate protection against splashing water.



The lighting must be fixed above the aquarium at a minimum distance of 15 cm from the water surface. above the aquarium.



The electrical operating devices (power supply units and control units) must always be protected from direct splash water.

If you notice any damage to the mains cable, the supply cable to the luminaire, the the power supply unit or the luminaire, immediately disconnect the unit from the mains and contact your specialist dealer or the Giesemann Service.

Never operate a device with damage or a defective cable. Never open and repair the operating devices and luminaires yourself. Danger to life! Do not make any changes to your luminaire, the power supply unit or the cables.



Use the luminaires with the utmost caution when children or persons who cannot assess the dangers are in the vicinity of the luminaires. Packaging materials must not be used for playing: there is a danger of suffocation!



Never look directly into the light source. Bright light can cause lead to eye injuries!

## SCOPE OF DELIVERY & SAFETY INSTRUCTIONS



Maintenance work on the luminaires may only be carried out if they are removed from the fixtures and completely disconnected from the mains. For safety reasons, please note that Work may only be carried out in the aquarium if the lighting has been completely disconnected from the mains (pull out the mains plug).



Do not attempt to open an LED light module or the power supply unit, as damaging the internal seals will invalidate the warranty.



The luminaire housing and the protective glass can become very warm during operation. very warm during operation: Take care when touching! When carrying out cleaning work, pay particular attention to Make sure that there is always sufficient heat exchange in any case. can take place.



Improper use will invalidate any warranty claims. The transport and storage of the luminaires must be carried out in the original packaging.



The luminaires are made of seawater-resistant aluminium and have a high-quality anodised coating. To keep the housing clean and the and the light surfaces clear, regular care with a slightly damp cloth is sufficient. damp cloth. Please note that salt deposits must always be removed immediately, otherwise even removed immediately, otherwise even high-quality surfaces will be damaged over time. Failure to carry out maintenance work will result in loss of warranty.



**Disposal:** When the end of use has been reached, dispose of the used luminaires by the lamps by pulling the plug out of the socket and cutting the cable. disconnect the cable. Dispose of the luminaires in accordance with the environmental regulations in force in your country. Electrical waste must not be disposed of with household waste. Contact your local authority or dealer for advice on For recycling advice, contact your local authority or dealer.

## Manufacturer / Declaration of Conformity

It is hereby confirmed that the PULZAR G3 LED module complies with all the following design and construction, as well as the version placed on the market by us, complies with all the provisions and basic safety requirements of the:

- Low Voltage Directive 2006/95/EC
- Waste Electrical Equipment Directive (WEEE) 2002/96/EC
- EMC Directive 2004/108/EC
- Product Safety Directive 2001/95/EC
- ERP Directive 2009/125/EC

and the applicable standards:

- DIN EN 60598-1 (Luminaires - general requirements and tests)
- DIN EN 60598-2-11 (Special requirements for aquarium luminaires)
- DIN EN 62471 (Photobiological safety of LEDs).



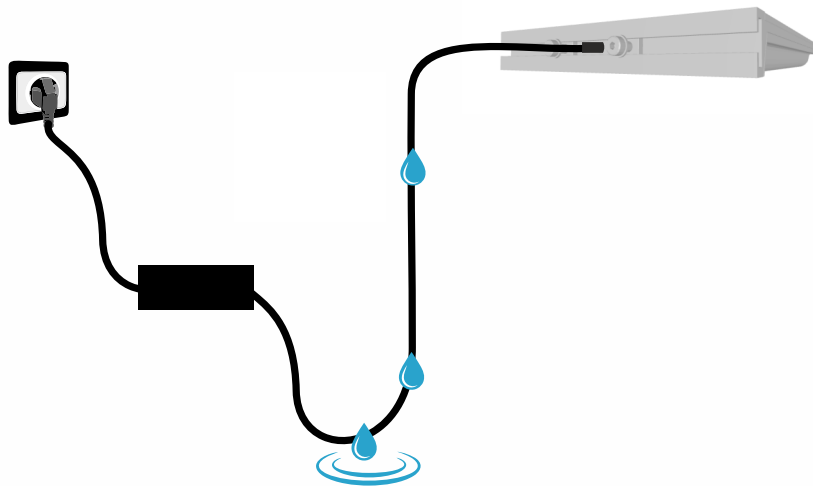
In the event of changes to the luminaires not agreed with GIESEMANN Lichttechnik GmbH, this declaration shall lose its validity.

**CE Declaration of Conformity**  
**The company**  
Giesemann Lichttechnik & Aquaristik GmbH  
Bürdestraße 14 – 41334 Nettetal – Germany  
declare under our sole responsibility that the products:  
**AURORA V8**  
to which this declaration relates are in conformity with the technical requirements of  
the following European Community directives & standards or other normative documents  
**- 98/37/EC / - EEC 89/336 - EEC 73/23 AND RELATED AMENDMENTS AND  
ADDITIONS (B.T.)**  
**The following technical standards and specifications have been observed:**  
**Safety: EN 60335-1 / EN 60335-2- 55 AND  
RELATED AMENDMENTS / EN 292-1-2 / CEI 61-50**  
**EMC directive: EN 50081-1 / EN 50081-2 and the following amendments / EN 5008**  
16.05.2021, Nettetal - Germany

## INSTALLATION

- 1 Place the power supply unit in a suitable location that ensures that contact with water (falling in, splashing or condensation) is excluded.

The supply cable must form a drip loop between the luminaire and the power supply unit so that dripping water cannot enter the power supply unit.



## 2 POWER SUPPLY

Your luminaire is equipped with separate mains cables as well as power supply units with electronic regulation that provide constant current parameters. The input voltage is 100-240V AC 50/60 Hz.



Only use the original power supply units for your light module - other power supply units may cause irreparable damage to the luminaire.

First connect the mains adapter to the cable of the lamp.

Only then plug the mains plug of the external power supply unit into the socket.

The current-carrying plug connections must be outside the damp area of the aquarium. The DC connection between the power supply unit and the lamp must not be changed in any way.



Attempts to tamper with this connection using controllers or similar will result in the immediate loss of the warranty.

### NOTE:

Power supplies must not be operated in high humidity environments.

Install the power supply only in a dry environment with adequate air circulation and protected from splashing and dripping water!

## Installation / Mounting

- 3** The MINOX offers you various mounting options. Optionally available and not included in the package

1. Giesemann mounting bracket with steel cable suspension
2. Giesemann mounting bracket for attachment to the aquarium
3. Giesemann mounting bracket extension

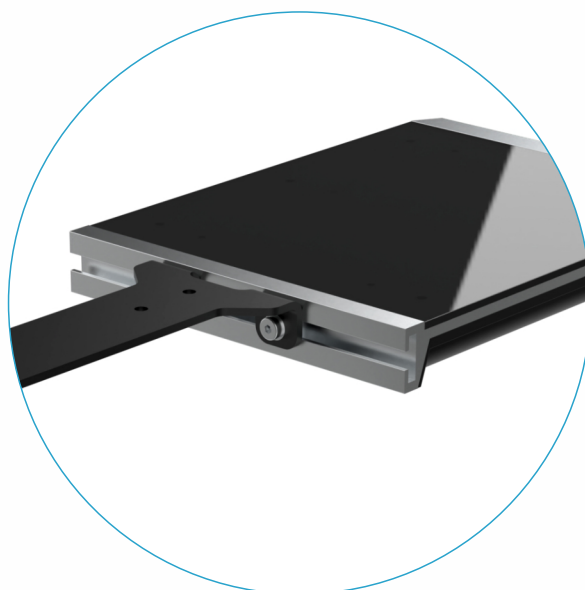


- !** For all mounting variants, please ensure the correct installation of your MINOX light above the aquarium. The lamp must not be installed near bubbling stones, diffusers or pump inlets in order to avoid the ingress of water vapour and fine water molecules.

Make sure that there is a minimum distance of 15 cm between the luminaire and the water surface.

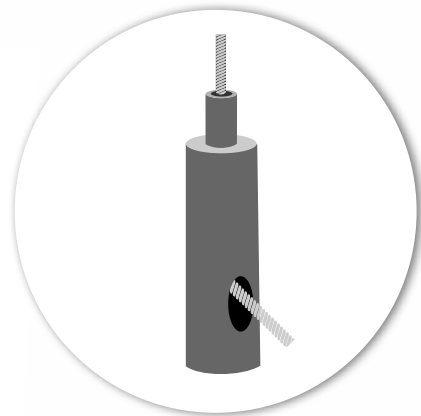
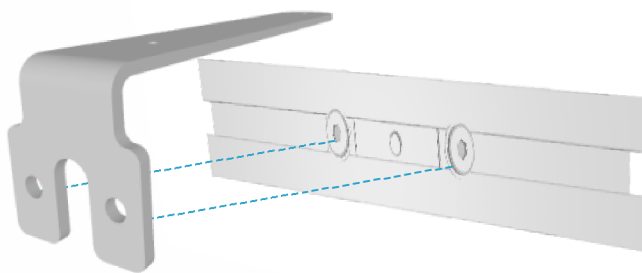
### Aquarium mounting arm

Attach the holder to the lamp housing as shown with the screws supplied to the lamp housing.



## Suspension system

If you want to suspend your luminaire, use the optionally available F suspension system. The bracket is mounted on the rear side of the luminaire housing with the screws supplied and the cable system is attached from above.



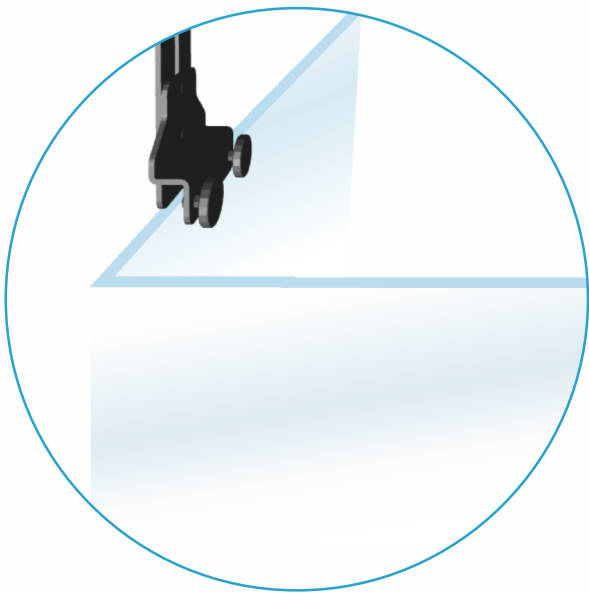
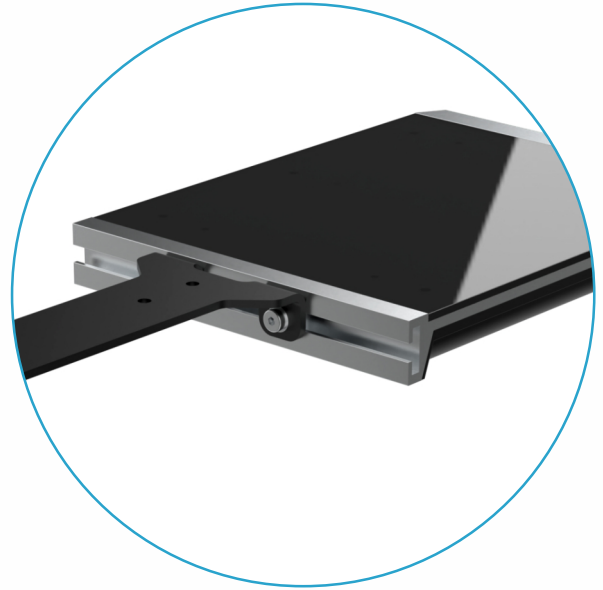
Attach the two wires on the top of your fixture by screwing the screws into the nuts on the top rail. Check the tightness of the cable holder. Install the ceiling mounting with suitable screws and wall plugs, making sure that the brickwork/ceiling on site can offer sufficient support. If necessary, special fastening systems, such as Hollow wall anchors, screws, etc may be necessary. If uncertain, please consult with a specialist company.

Now run the steel cord through the bore of screw. Screw into the ceiling mount. Insert the loose end of the steel cable into the top opening of the cable holder and push through until the end exits through the side hole. Since your light is equipped with continuously variable height adjustment, it can be raised or lowered easily by applying pressure to the nozzle of the spring lock mechanism. For safety reasons, always support the lamp when it is being adjusted. When the light unit is gently lowered again with the nozzle released the cable will automatically lock in place. Always aim to set your light unit level with the aquarium.



## Mountin Arm

The arm is screwed to the back of the lamp housing with the screws provided.



The attachment to the upper edge of the aquarium is done by tightening the already mounted clamping screws.

Make sure that they are firmly seated. Do not use tools such as pliers or similar tools such as pliers or similar to tighten damage the screws or the aquarium.

## Mounting arm extension

If your aquarium has a depth of more than 50 cm, we recommend extending the support arm. This is attached to the screws supplied to attach it to the extension arm of the mounting bracket.




# Control

Your luminaire already has a perfectly adjusted spectrum for rich colours and optimal growth. If you would also like to control the luminaire individually during the day you have two options.

## 1. Giesemann lynk WIFI Controller

The lynk WIFI controller can control tropic luminaires, marine luminaires or a combination of both. For this reason, the colour dots in the app are (in the area) assigned to different colour groups according to the table below.

Detailed instructions on how to operate the controller can be found on our Giesemann website under the menu item Downloads.



	MARINE	TROPIC
CH 1-3	<ul style="list-style-type: none"><li><b>Blue / Color Mix</b> LED: blue, red, cyan</li><li><b>Blue Intense</b> LED: royalblue, deepviolett, UV</li><li><b>White</b> LED: white, warm white</li></ul>	<ul style="list-style-type: none"><li><b>Color Intense</b> LED: cyan, blue, red</li><li><b>Photo Intense</b> LED: blue, red, cold white</li><li><b>Daylight</b> LED: white full spectrum</li></ul>
CH 4-6	<ul style="list-style-type: none"><li><b>Blue / Color Mix</b> LED: blue, red, cyan</li><li><b>Blue Intense</b> LED: royalblue, deepviolett, UV</li><li><b>White</b> LED: white, warm white</li></ul>	<ul style="list-style-type: none"><li><b>Color Intense</b> LED: cyan, blue, red</li><li><b>Photo Intense</b> LED: blue, red, cold white</li><li><b>Daylight</b> LED: white full spectrum</li></ul>

## 2. Giesemann LED Controller

Simple but convenientThe LED Controller has a large, easy-to-read display and comfortable buttons with a pressure point to control the functions.

The LED controller makes it possible to programme the luminaire in the to programme the luminaire in the course of the day. It is possible to when and with what intensity the luminaire intensity, what brightness it will have during the day and when it will brightness it will have during the course of the day and when it will dusk and finally switch off.

A maximum of two MINOX can be operated with one GiesemannLED Controller can be operated.



Detailed instructions on how to operate the controller can be found on our Giesemann website under the menu item Downloads.



## TROUBLESHOOTING ASSISTANCE

We have taken great care with your MINOX, the software and the accompanying descriptions. Despite the greatest care and all kinds of technical assistance - our products are made by humans.

Therefore, errors cannot be excluded. We welcome constructive criticism and suggestions. Help with questions of understanding or technical problems can be found in the support area at

<http://giesemann.de/support>.

Write to us if you have any problems: [info@giesemann.de](mailto:info@giesemann.de)



**Please make sure that you register your new GIESEMANN product on our website. Only with valid registration and the original proof of purchase will you receive the full warranty for your product.**

**Enjoy your new AURORA V8 and the perfect light above your aquarium.**