AQQA AQ059

AQQA Aquarium Clip-On LED Light (8W) Instruction Manual

Model: AQ059

INTRODUCTION

Thank you for choosing the AQQA Aquarium Clip-On LED Light. This manual provides essential information for the proper installation, operation, and maintenance of your new aquarium light. Designed for freshwater aquariums, this 8W LED light offers full spectrum illumination, a 24/7 sunrise/sunset mode, and adjustable brightness levels to create an optimal environment for your aquatic life.

SAFETY INFORMATION

- Always disconnect the power supply before performing any maintenance or cleaning.
- Ensure your hands are dry when handling the power adapter and controller.
- Do not immerse the power adapter or controller in water. The lamp panel is waterproof, but other components are not.
- Keep the product out of reach of children.
- Do not attempt to modify or repair the light. Contact customer support for assistance.
- Ensure the power supply voltage matches the product's requirements (AC100-240V).

SETUP INSTRUCTIONS

1. **Assemble the Lamp:** Slide the lamp body into the lamp holder until it is securely seated.
2. **Attach to Aquarium:** Position the clip-on bracket onto the edge of your aquarium glass. Ensure the bracket is nested firmly on the wall of the fish tank.
3. **Secure the Bracket:** Tighten the screws on the bracket to secure the light firmly to the aquarium. The bracket is designed to fit various tank thicknesses without causing damage.
4. **Adjust Lamp Position:** The lamp body and holder are flexible. Adjust the extension length of the lamp freely to achieve desired coverage over your aquarium. The lamp body can also be completely removed from the bracket for alternative placement on a tank with a transparent glass cover.

5. **Connect Power:** Connect the USB cable from the light to the provided adapter. Plug the adapter into a standard electrical outlet. The light can also be powered by other USB power sources such as a power bank or laptop.
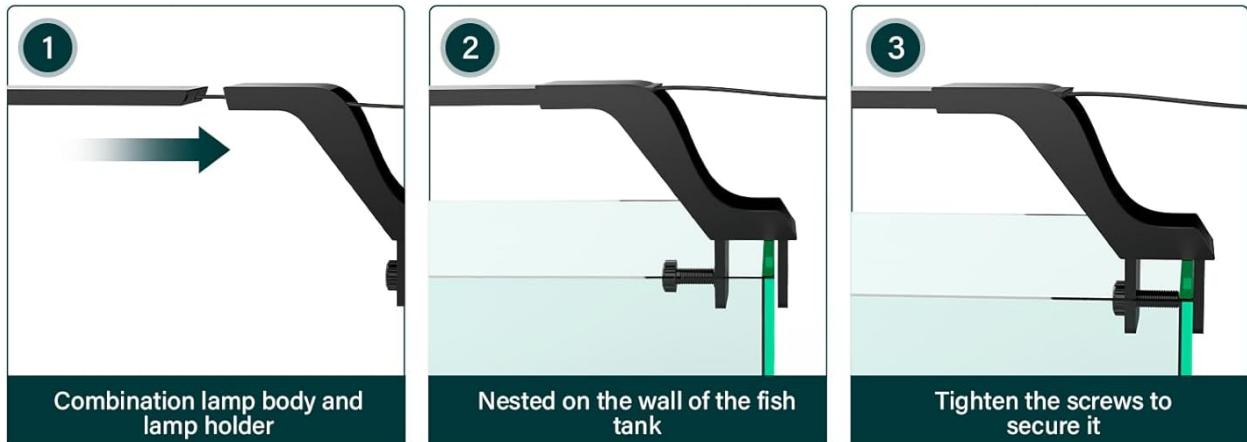
Figure 1: Installation Steps
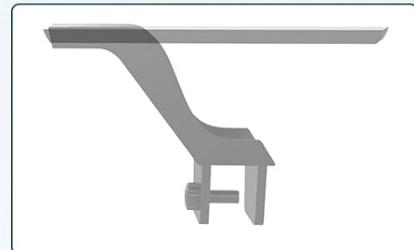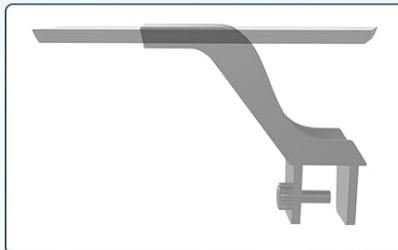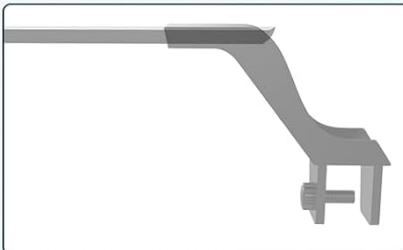
Figure 2: Clip-on Mechanism and Tank Compatibility

Operating Instructions

The AQQA Aquarium Clip-On LED Light features an inline controller with multiple buttons for various functions:

- **ON/OFF Button:** Powers the light on or off.

- **W+ Button (White Light Brightness):** Adjusts the brightness of the white light. There are 10 adjustable brightness levels (10% to 100%).

- **B+ Button (Blue/Red Light Brightness):** Adjusts the brightness of the blue and red lights. There are 10 adjustable brightness levels (10% to 100%).

- **M Button (Mode Selection):** Cycles through the three lighting color modes:

    - White + Green Light Mode
    - Blue + Red Light Mode
    - White + Red + Blue + Green Light Mode (Full Spectrum)

- **TIMER Button:** Sets the daily timing function. Press to cycle through 6H, 10H, or 12H timer settings. Once set,

the light will automatically cycle on/off at the same time each day. For example, if set for 6 hours at 9:20 AM, it will turn off at 3:20 PM and turn on again at 9:20 AM the next day.

- **Sunrise/Sunset Button:** Activates the 24/7 Sunrise and Sunset Mode.

Figure 3: Controller Overview

24/7 Sunrise and Sunset Mode

This mode provides a natural light cycle for your aquarium. In this mode, the light operates in full spectrum, and brightness cannot be manually adjusted. The cycle is divided into four stages:

1. **Stage 1 (Sunrise):** Light brightness gradually increases from 5% to 100% over 3 hours.
2. **Stage 2 (Daylight):** Maintains 100% brightness for 6 hours.
3. **Stage 3 (Sunset):** Light brightness gradually decreases from 100% to 5% over 3 hours.
4. **Stage 4 (Night):** Light transitions from 5% full spectrum to 5% blue light mode and maintains for 4 hours, then turns off.

7/24 Sunrise and Sunset Mode

Intensity

100%
90%
80%
70%
60%
50%
40%
30%
20%
10%

100%

3hours   6hours   3hours   5%
4hours

On Time   Off Time

In this mode, the light mode and brightness cannot be changed
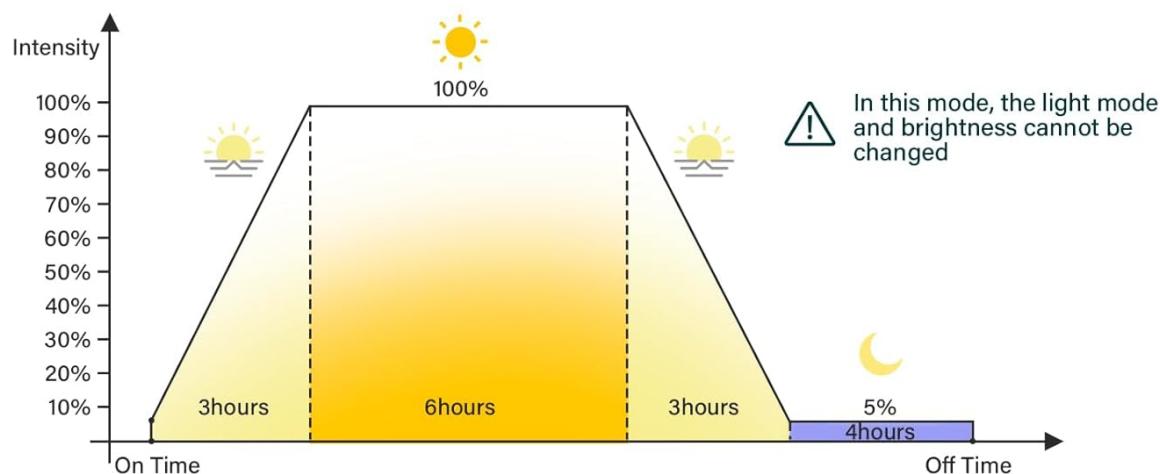
3 Type of Lighting Color Mode

white+green light mode

blue + red light mode

white+red+blue+green light mode

Figure 4: 24/7 Sunrise and Sunset Mode Cycle and Color Modes

Memory Function

The light retains your last selected color mode and brightness settings even after power disconnection. However, the timing function (6H, 10H, 12H, and Sunrise/Sunset mode) does not have a memory function and must be reset if power is interrupted.

Figure 5: Memory Function Details

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your AQQA Aquarium Clip-On LED Light.

- **Cleaning:** Periodically wipe the lamp body and LED panel with a soft, damp cloth to remove dust, water spots, or algae buildup. Ensure the light is unplugged before cleaning.

- **Waterproofing:** The lamp panel is designed with glue filling to enhance waterproofing. However, avoid submerging the entire unit or exposing the controller and adapter to water.

- **Cable Inspection:** Regularly check the power cable and connections for any signs of damage or wear. If any damage is observed, discontinue use and contact customer support.

TROUBLESHOOTING

| Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose connection; faulty adapter.	Check if the adapter is properly plugged into the outlet and the USB cable is securely connected. Try a different USB power source or outlet.
Timing function not working correctly.	Power interruption; incorrect setting.	The timing function resets after a power cut. Re-set the desired timer (6H, 10H, 12H) or 24/7 mode. Ensure the button was pressed correctly.
Brightness or color mode cannot be adjusted.	Light is in 24/7 Sunrise/Sunset Mode.	In 24/7 mode, brightness and color are automatically controlled. Exit 24/7 mode to manually adjust brightness and color.
Light flickers or dims unexpectedly.	Unstable power supply; loose connection; internal fault.	Ensure power connections are secure. Try a different power source. If the issue persists, contact customer support.

PRODUCT SPECIFICATIONS

Product Parameters

8W

■ 2 PCS RED   ■ 2 PCS green

■ 2 PCS blue   ■ 12 PCS white (6500K)
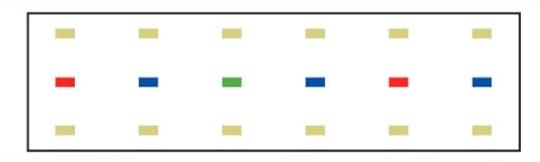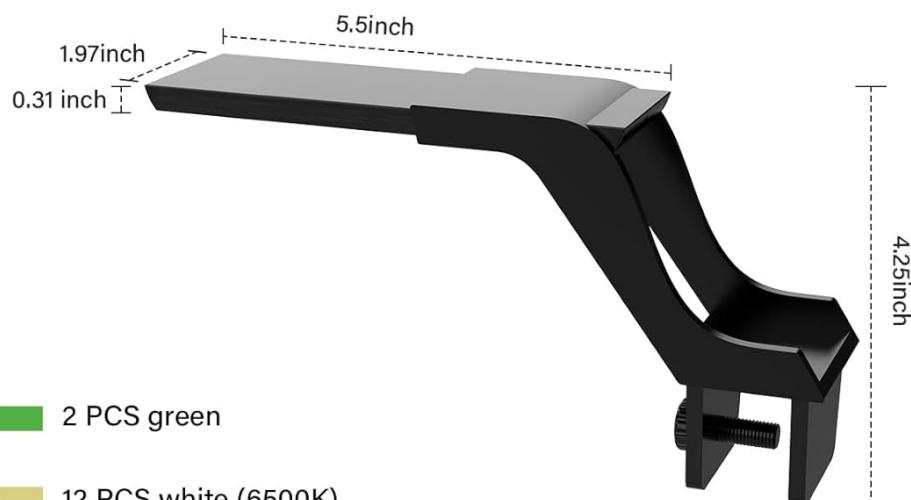
Model	AQ059-8W	Application	8-12inch(20-30cm)
Input Votage	AC100-240V	Power Cord	5ft(1.54m)
Output Votage	DC5V	Lumen	339
LED Quantity	18PCS	Colour Temperature	6500k
Light Size (Without Bracket)	5.5*1.97*0.31 inch		

Figure 6: Product Parameters for 8W Model

Feature	Detail
Model Name	AQQA Aquarium Clip on Light AQ059
Wattage	8 watts
Input Voltage	AC100-240V
Output Voltage	DC5V
Light Source Type	LED (18 PCS: 2 Red, 2 Green, 2 Blue, 12 White 6500K)
Lumen	339
Color Temperature	6500K
Product Dimensions (Light only)	5.5"D x 1.97"W x 0.31"H
Overall Dimensions (with bracket)	5.5"D x 1.97"W x 4.25"H

| Feature	Detail
Item Weight	0.3 Kilograms (10.6 ounces)
Power Source	Corded Electric (USB and Adapter)
Power Cord Length	5ft (1.54m)
Mounting Type	Clip-on
Water Resistance Level	Waterproof (lamp panel)
Included Components	1*Clip on light + 1*ABS brackets + 1* Adapter

WARRANTY AND SUPPORT

This AQQA Aquarium Clip-On LED Light comes with a **1-year manufacturer's warranty** from the date of purchase.
For any questions, concerns, or technical assistance, please contact AQQA customer support. Please have your model number (AQ059) and purchase information available when contacting support.
We are committed to providing long-term quality after-sales service.

Related Documents - AQ059

[AQQA AQ147 Full Spectrum COB LED Aquarium Light User Manual](#)
User manual for the AQQA AQ147 Full Spectrum COB LED Aquarium Light, detailing product features, parameters, functions, installation, safety precautions, warranty, and disposal.
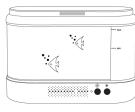
[AQQA AQ030 Mini Desktop Fish Tank User Manual](#)
User manual for the AQQA AQ030 mini desktop fish tank, detailing product features, setup instructions, troubleshooting, maintenance, specifications, cautions, and warranty information.

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AQ121 AQQA MULTI-FUNCTIONAL FISH TANK STAND INSTALLATION PROCEDURE MANUAL	[AQ121 AQQA Multi-Functional Fish Tank Stand Installation Manual](#) Step-by-step installation guide for the AQ121 AQQA Multi-Functional Fish Tank Stand, including a detailed parts list and assembly instructions for easy setup.
AQ157 USER MANUAL **AQQA DC Multifunctional Electric Gravel Cleaner**	[AQQA AQ157 User Manual: Multifunctional Electric Gravel Cleaner](#) User manual for the AQQA AQ157 DC Multifunctional Electric Gravel Cleaner, detailing its 6-in-1 features for aquarium maintenance, including gravel cleaning, water changes, and filtration. Covers specifications, assembly, operation, troubleshooting, safety, and warranty.
AQ148 USER MANUAL **AQQA Automatic Aquarium Water Changer**	[AQQA AQ148 Automatic Aquarium Water Changer User Manual](#) User manual for the AQQA AQ148 Automatic Aquarium Water Changer, detailing features, specifications, installation, maintenance, troubleshooting, and warranty information.
	[AQ37 LED Aquarium Light User Manual](#) User manual for the AQ37 LED Aquarium Light, detailing its features, specifications, setup, operation, and troubleshooting. This guide covers programmable lighting cycles, DIY brightness settings, and day/night modes for optimal aquarium environments.
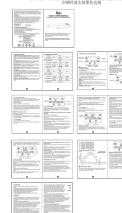
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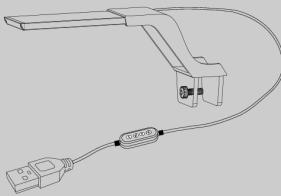
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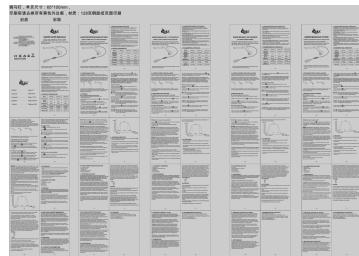
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