AQQA AQ109-14W

AQQA Aquarium LED Light User Manual

Model: AQ109-14W

1. INTRODUCTION

Thank you for choosing the AQQA Aquarium LED Light. This high-quality lighting system is designed to provide optimal illumination for your aquatic environment, supporting the healthy growth of fish and plants. It features advanced LED technology, a convenient timer, and multiple lighting modes to create a vibrant and thriving aquarium.

2. SAFETY INSTRUCTIONS

- Always unplug the light from the power outlet before performing any maintenance, cleaning, or installation.
- Do not immerse the power adapter or controller in water. The light unit itself is IP67 waterproof, but the power components are not.
- Ensure the light is securely mounted on the aquarium to prevent accidental falls.
- Do not operate the light if the power cord or plug is damaged.
- Keep out of reach of children.
- This product is for indoor use only.

3. PACKAGE CONTENTS

Please check that all items are present and in good condition:

- AQQA Aquarium LED Light Unit
- Extendable Mounting Brackets (2 pcs)
- Inline Controller with Power Cord
- Japanese Instruction Manual

4. PRODUCT FEATURES

- **High-Quality LED Chips:** Features 5 rows of high-brightness LED chips, providing approximately 10% more chips than comparable lights for brighter, more uniform illumination. Full-spectrum design (white + RGB) supports healthy fish and aquatic plant growth.
- **Timer Function & Memory:** Built-in timer with 5, 10, or 12-hour settings for automatic daily on/off cycles. A memory function restores previous settings after a power outage.
- **3 Lighting Modes & 10-Level Brightness:** Offers Full Spectrum, White Light, and Color Light modes. Each mode has 10 adjustable brightness levels (3% to 100%) for precise environmental control.
- **Extendable Stand & IP67 Waterproof:** Adjustable stand design fits various aquarium widths. IP67 waterproof rating protects against water vapor and allows for temporary submersion (retrieve and dry within 30 minutes if submerged).
- **Lightweight & Eye-Friendly:** Lightweight design minimizes stress on aquarium edges. Flicker-free illumination is gentle on the eyes during observation.

5. SETUP INSTRUCTIONS

1. **Attach Mounting Brackets:** Slide the extendable mounting brackets into the slots on both ends of the LED light unit. Adjust the brackets to match the width of your aquarium.
2. **Position the Light:** Carefully place the light unit with attached brackets onto the edges of your aquarium. Ensure it is stable and centered over the tank.
3. **Connect Power:** Plug the inline controller's power cord into a suitable power outlet.

伸縮可能なスタンド設計

さまざまなサイズの水槽に対応

15cm

14Wライト

30〜45cm水槽に対応
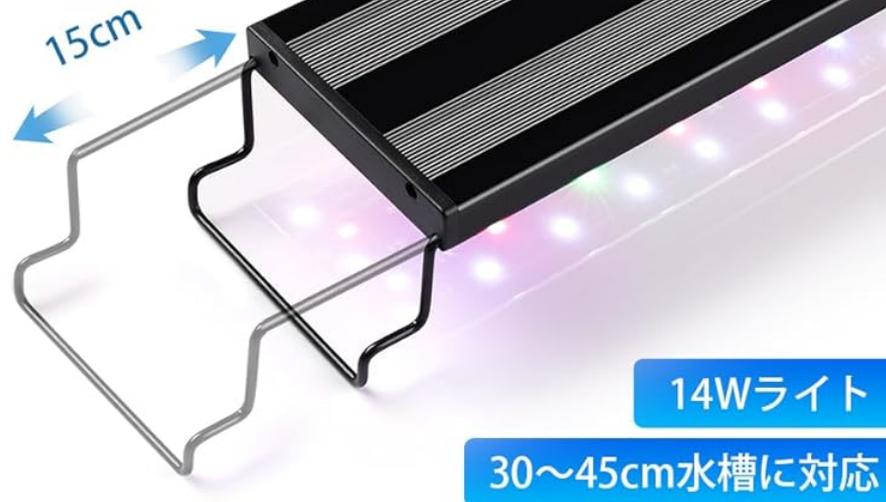
製品仕様

モデル	AQ0109-14w	AQ059-18w	AQ059-22w
本体サイズ	25*10.2*1.6cm	39*10.2*1.6cm	54*10.2*1.6cm
重量	383g	533g	686g
コード長	2.2m	2.2m	2.2m
適合水槽	30〜45cm	45〜60cm	60〜80cm
入力電圧	100-240V/50-60HZ		
防水規格	IP67防水		
ライト寿命	約50000時間		
機能	明るさ調整、タイマー、カラー切り替え		

Figure 5.1: Light unit with extendable stands positioned on an aquarium.

6. OPERATING INSTRUCTIONS

The AQQA Aquarium LED Light is controlled via an inline remote. Familiarize yourself with the buttons:

- **TIMER:** Sets the operating duration (5H, 10H, 12H).

- **RGB +/-:** Adjusts the brightness of the RGB (color) LEDs.
- **ON/OFF / M:** Powers the light on/off and cycles through lighting modes.
- **W +/-:** Adjusts the brightness of the white LEDs.

Figure 6.1: Inline controller button layout.

6.1 Power On/Off and Mode Selection

1. Press the **ON/OFF / M** button once to turn the light on.
2. Press the **ON/OFF / M** button repeatedly to cycle through the three lighting modes: Full Spectrum, Color Light, and White Light.
3. Press and hold the **ON/OFF / M** button for 3 seconds to turn the light off.

6.2 Brightness Adjustment

Each lighting mode offers 10 levels of brightness adjustment:

- To adjust the brightness of the white LEDs, use the **W +** (increase) and **W -** (decrease) buttons.
- To adjust the brightness of the RGB (color) LEDs, use the **RGB +** (increase) and **RGB -** (decrease) buttons.

Figure 6.2: 10-level brightness adjustment for white and color modes.

6.3 Timer Function

The timer function allows for automatic daily operation:

1. Press the **TIMER** button to select the desired operating duration: 5 hours, 10 hours, or 12 hours.
2. Once a timer is set, the light will automatically turn off after the selected duration and will turn on again at the same time the next day, repeating the cycle.
3. The light retains its last brightness and color settings even after a power outage, thanks to its memory function.

Figure 6.3: Timer function options.

6.4 Operational Video Guide

Watch this video for a visual guide on setting up and operating your AQQA Aquarium LED Light:

Video 6.1: Demonstration of AQQA Aquarium LED Light features and controller operation.

7. MAINTENANCE

- **Cleaning the Light:** Regularly wipe the light unit with a soft, damp cloth to remove dust and water spots. Ensure the light is unplugged before cleaning. Do not use abrasive cleaners.
- **Checking Connections:** Periodically inspect the power cord and connections for any signs of damage or wear.
- **Water Immersion:** If the light unit accidentally falls into the water, retrieve it immediately and dry it thoroughly before reconnecting power. The IP67 rating provides temporary protection, but prolonged submersion should be avoided.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power supply.	Check if the power adapter is securely plugged into the outlet and the light.
Light is dim or flickers.	Incorrect brightness setting.	Adjust brightness using the W +/- or RGB +/- buttons.
Timer function not working.	Timer not set correctly.	Ensure the TIMER button has been pressed to select a duration (5H, 10H, or 12H).
Light falls into water.	Improper mounting.	Immediately unplug, retrieve, and dry the unit. Re-mount securely.

9. SPECIFICATIONS

Feature	Detail
Model	AQ109-14W

Feature	Detail
Power	14W
Color Temperature	6500K
Lumen	534
Number of LEDs	39
Light Source Type	RGB+LED
Material	Acrylonitrile Butadiene Styrene (ABS)
Voltage	100 Volts
Waterproof Rating	IP67
Lifespan	Approx. 50,000 hours
Unit Dimensions (L x W x H)	25 x 10.2 x 1.6 cm
Compatible Aquarium Size	30-45 cm
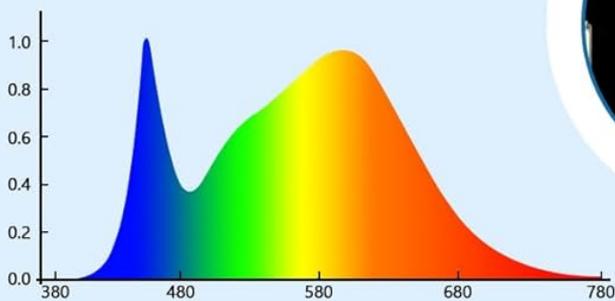
Figure 9.1: High-quality LED chips and light spectrum.

10. WARRANTY AND SUPPORT

This AQQA Aquarium LED Light comes with a **1-year quality warranty** from the date of purchase. If you encounter any quality-related issues during this period, please do not hesitate to contact our customer support team. We are committed to responding within 24 hours and providing prompt assistance.

For support, please refer to the contact information provided with your purchase or visit the official AQQA store on Amazon.