SEAOURA SR-657

SEAOURA LED Aquarium Light User Manual

Model: SR-657 | Brand: SEAOURA

1. INTRODUCTION

Thank you for choosing the SEAOURA LED Aquarium Light. This product is designed to provide optimal lighting conditions for your freshwater aquarium, promoting healthy plant growth and enhancing the vibrant colors of your aquatic life. Featuring a 24/7 custom timer, power-off memory, full spectrum LEDs, and an adjustable mount, this light offers advanced control and convenience for your aquatic environment.

Image 1.1: The SEAOURA LED Aquarium Light with its integrated controller, illuminating a vibrant freshwater tank.

2. IMPORTANT SAFETY INFORMATION

Please read all safety instructions carefully before use to prevent injury or damage.

- Always disconnect the power supply before performing any maintenance or cleaning on the light or aquarium.
- This product is designed for indoor use only. Do not expose the power adapter or controller to water.
- The light body is IP68 waterproof, meaning it can be submerged, but the controller and power adapter are not. Ensure they remain dry.
- Do not operate the light if any part is damaged, especially the power cord or plug.
- Keep out of reach of children.
- Ensure proper ventilation around the light to prevent overheating.
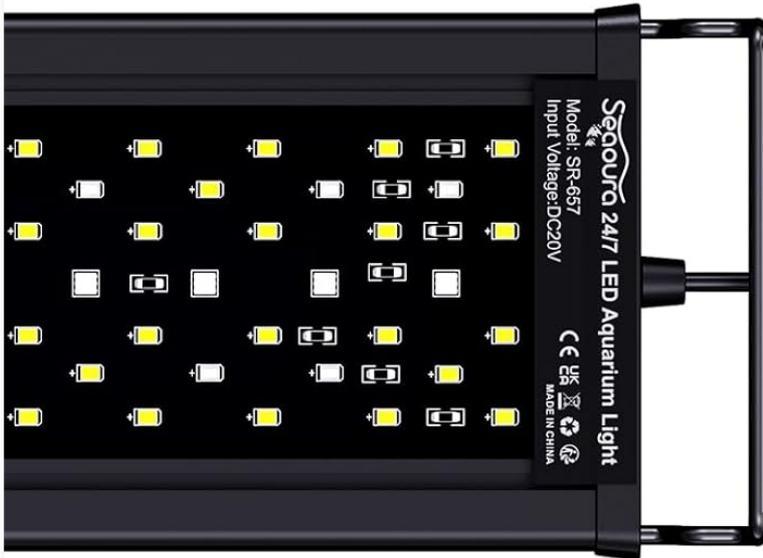
3. PACKAGE CONTENTS

Verify that all components are present in the package:

- SEAOURA LED Aquarium Light Fixture
- Integrated Controller with Digital Display
- Adjustable Mounting Brackets (2 pcs)
- Power Adapter
- CR1220 Battery (pre-installed in controller for memory function)

4. PRODUCT SPECIFICATIONS

Feature	Specification
Model Number	SR-657
Power	14W
LED Quantity	84 Pcs (56 White, 4 Red, 4 Green, 8 Blue, 12 RGB)
Color Temperature	White 12600K
Lumen	893
Lux	4882
PAR	81
CRI	92
Input Voltage	AC 100-240V
Product Dimensions	26.42 x 9.91 x 0.76 cm
Item Weight	0.5 Kilograms
Cable Length	7.2 ft
Waterproof Rating	IP68 (Light Body Only)
Applicable Tank Size	12" to 18" (30-45CM)

Multiple Color & Adjustable Brightness

7 Row of LED

8 Color + Cycle Option

20 Brightness Level

LED QTY:	5050 RGB:	2835 Red:	2835 Green:	2835 Blue:	2835 White:
84 PCS	12 PCS	4 PCS	4 PCS	8 PCS	56 PCS

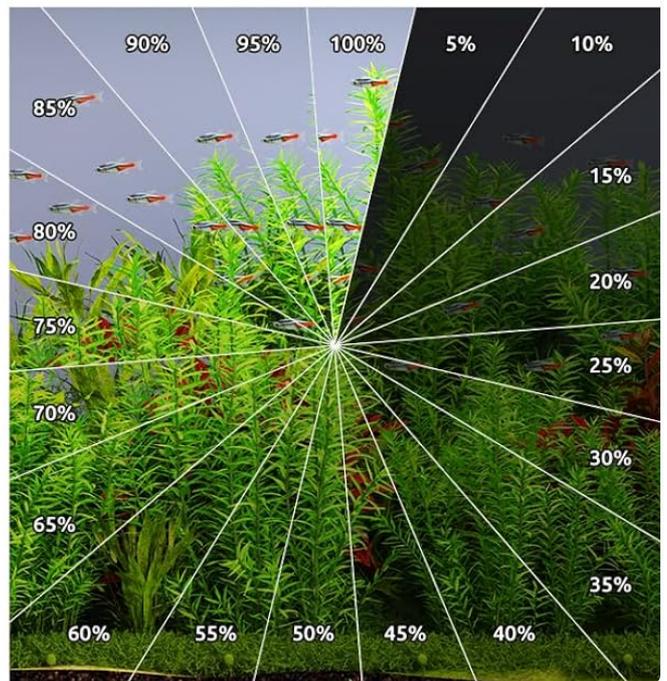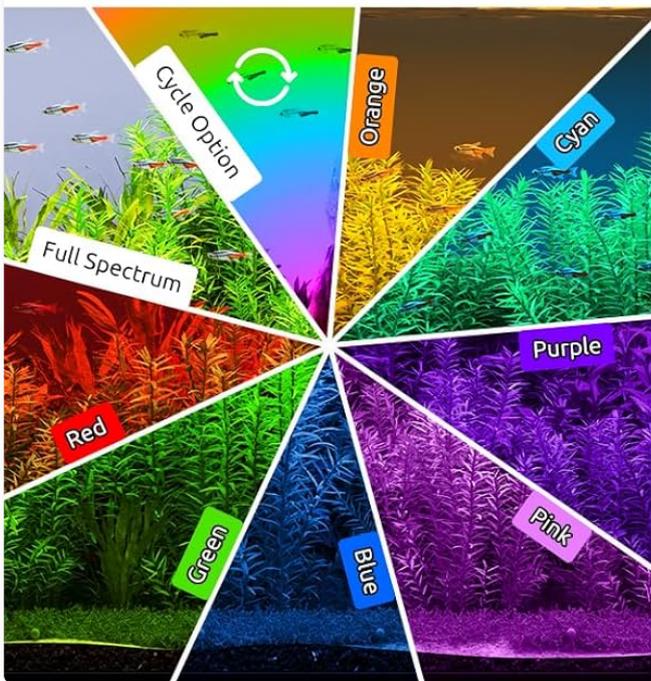| Power:	Lumen:	CRI:	Color Temp:	LUX:	PAR:
14W	893	92	12600K	4882	81

Image 4.1: Breakdown of LED types, color options, and brightness levels.

Ultra Slim & High Transmittance

Ours

Others

Ultra Slim
Slim streamline light body

8mm/0.3in

11mm/0.43in

High Transmittance
Up to 90% light-transmitting surfaces

11mm/0.43in

14mm/0.55in

CRI up to 92
Color saturation closer to nature

Image 4.2: Illustration of the light's ultra-slim profile and high light transmittance.

5. SETUP INSTRUCTIONS

1. **Attach Mounting Brackets:** Slide the adjustable mounting brackets onto each end of the LED light fixture. Ensure they are securely fitted.

2. **Position on Aquarium:** Place the light fixture on top of your aquarium, adjusting the brackets to fit the tank's width (12" to 18"). The taller stand design ensures even light distribution.

3. **Connect Controller:** Ensure the controller cable is securely plugged into the light fixture.

4. **Connect Power:** Plug the power adapter into a suitable electrical outlet. The light will power on and the digital display on the controller will activate.

Image 5.1: Adjustable mount dimensions and application on an aquarium.

6. OPERATING INSTRUCTIONS

6.1 Controller Overview

The controller features a digital display and several buttons for setting modes, colors, and brightness:

- **SET Button:** Enters/exits setting mode, confirms selections.
- **L1-L5 Buttons:** Selects different lighting stages or modes.
- **Color Button (Rainbow Icon):** Cycles through color options.
- **24/7 Button:** Activates the 24/7 natural mode.
- **Up/Down Arrows:** Adjusts time, brightness, or other parameters.

6.2 Setting Local Time

It is crucial to set the correct local time for the timer functions to operate accurately. The built-in CR1220 battery ensures the time is kept even during power outages.

Time Memory Function

Built-in CR1220 battery keeps time running after power disconnected

The clock will continue to run even if the power is accidentally cut off or unplugged.
The light schedule will keep running as preset without need to calibrate the local time frequently.
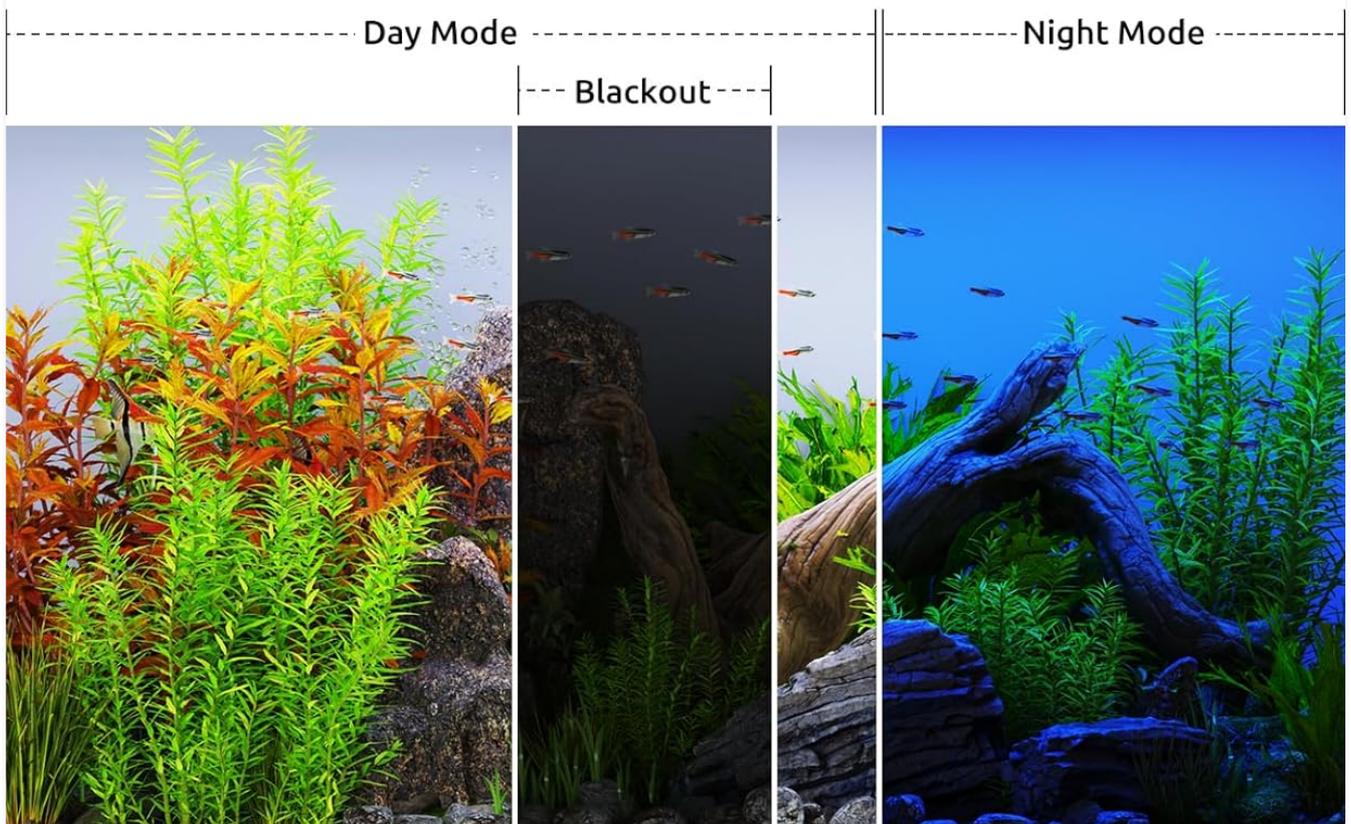
Day Mode — Blackout — Night Mode

Image 6.1: The CR1220 battery ensures time memory function even when power is disconnected.

1. Press the **SET** button until the hour digits on the display flash.

2. Use the **Up/Down Arrows** to adjust the hour.

3. Press **SET** again to move to the minute digits and adjust using the **Up/Down Arrows**.

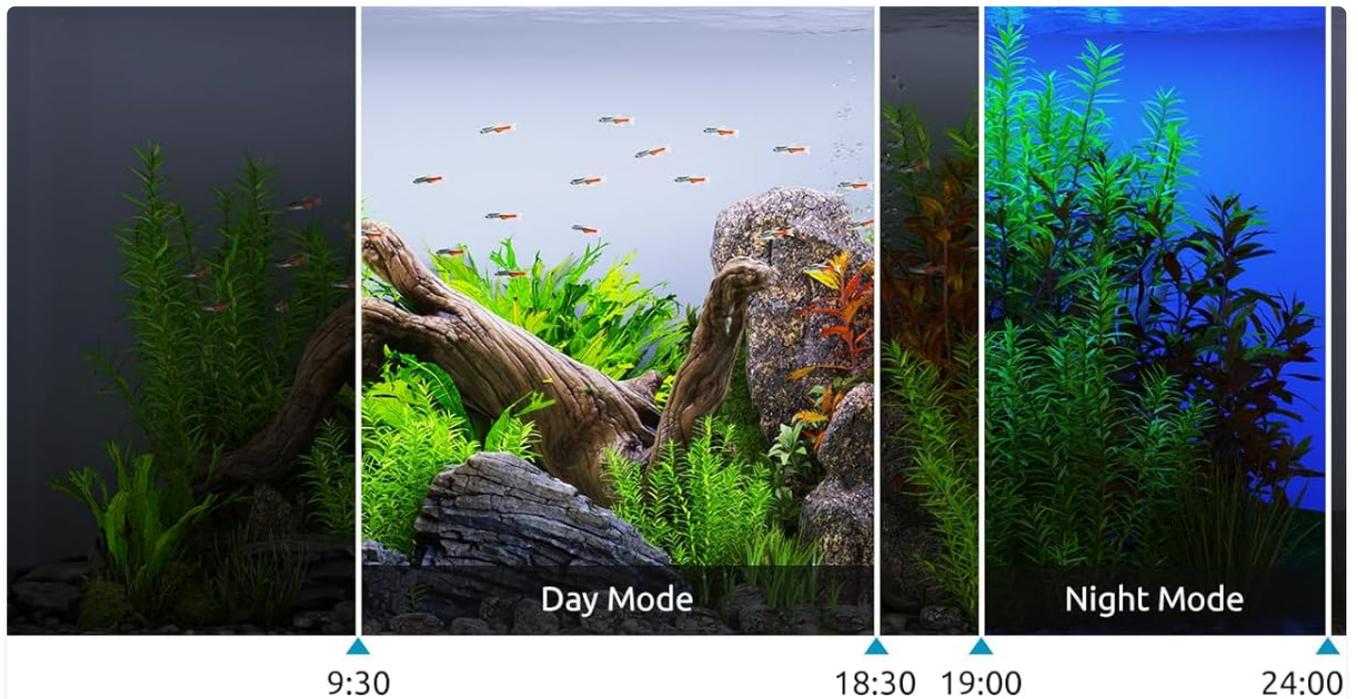4. Press **SET** one more time to confirm and exit time setting.

6.3 Lighting Modes

The light offers three primary operating modes:

6.3.1 24/7 Natural Mode

This mode simulates a natural daily light cycle, including sunrise, daylight, sunset, and moonlight, with a 15-minute brightness gradient between stages to avoid startling fish.

1. Press the **24/7** button to activate this mode.

2. The light will automatically follow the programmed 24/7 cycle based on the local time you set.
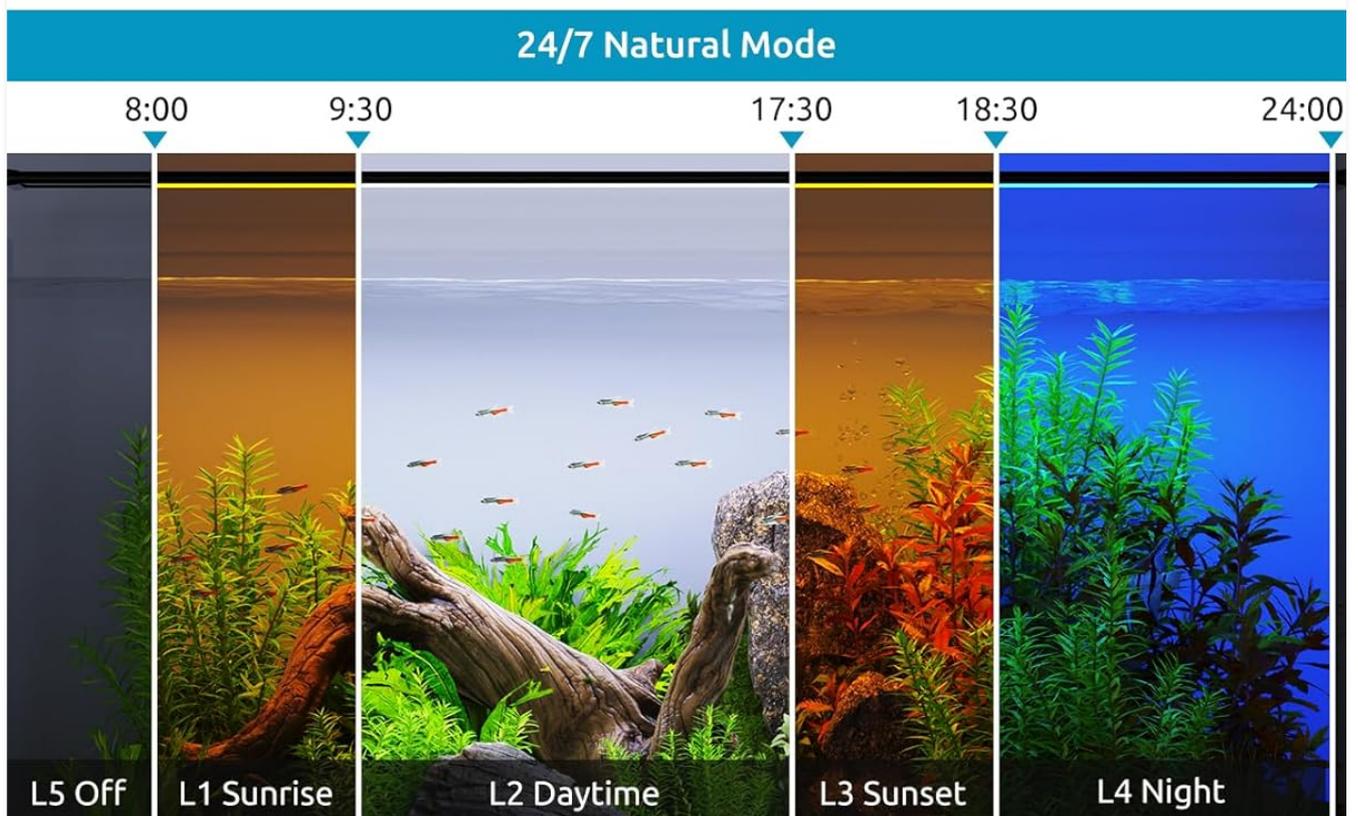

Image 6.2: Illustration of 24/7 Natural Mode and Custom Timer Modes.

6.3.2 Day Mode (Custom Timer)

Allows you to set a custom start and end time for a full spectrum daylight period with adjustable brightness.

1. Press the **L1** button.

2. Press **SET** to enter setting mode for Day mode.

3. Adjust the start hour and minute using **Up**/**Down Arrows** and **SET**.

4. Adjust the end hour and minute using **Up**/**Down Arrows** and **SET**.

5. Adjust brightness (20 levels) using **Up**/**Down Arrows**.

6. Press **SET** to confirm and exit.
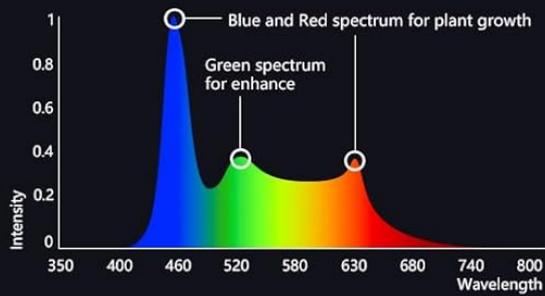
6.3.3 Night Mode (Custom Timer)

Allows you to set a custom start and end time for a night light period with adjustable color and brightness.

1. Press the **L4** button.

2. Press **SET** to enter setting mode for Night mode.

3. Adjust the start hour and minute using **Up**/**Down Arrows** and **SET**.

4. Adjust the end hour and minute using **Up**/**Down Arrows** and **SET**.

5. Adjust color (9 options) using the **Color Button**.

6. Adjust brightness (20 levels) using **Up**/**Down Arrows**.

7. Press **SET** to confirm and exit.

6.4 Color and Brightness Adjustment

The light offers 9 color options and 20 levels of dimmable brightness. These can be adjusted in Day and Night modes, and the 24/7 mode has pre-set gradients.

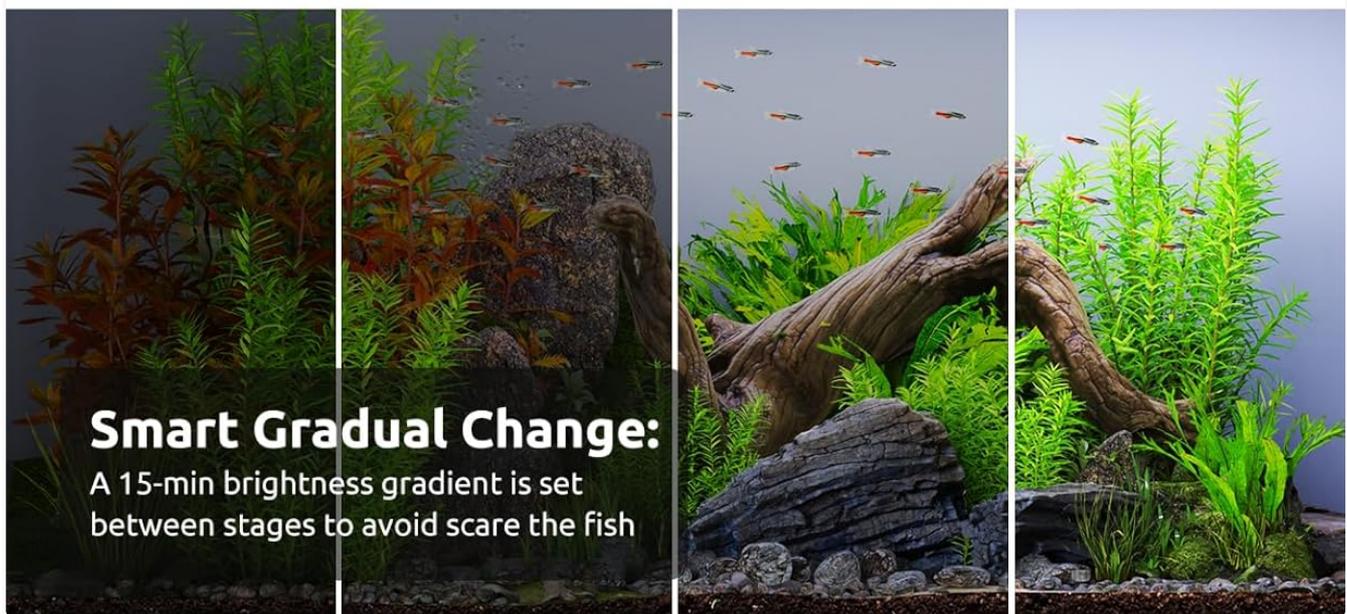## Thoughtful Features for your Aquarium Plants and Fish

High PAR Full Spectrum: Simulates sunlight, allowing plants and fish to live like in nature

Local Time Scheduling: Independent clock allows all timers follow your local time zone

Smart Gradual Change: A 15-min brightness gradient is set between stages to avoid scare the fish

Image 6.3: Features like high PAR full spectrum, local time scheduling, and smart gradual changes.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your aquarium light.

- **Cleaning the Light Body:** The light body is IP68 waterproof and can be easily wiped clean. Disconnect power before cleaning. Use a soft, damp cloth to gently wipe the surface. Do not use abrasive cleaners or solvents.
- **Controller and Power Adapter:** Keep the controller and power adapter dry at all times. Wipe with a dry cloth if necessary.

- **Check Connections:** Periodically check all cable connections to ensure they are secure and free from damage.
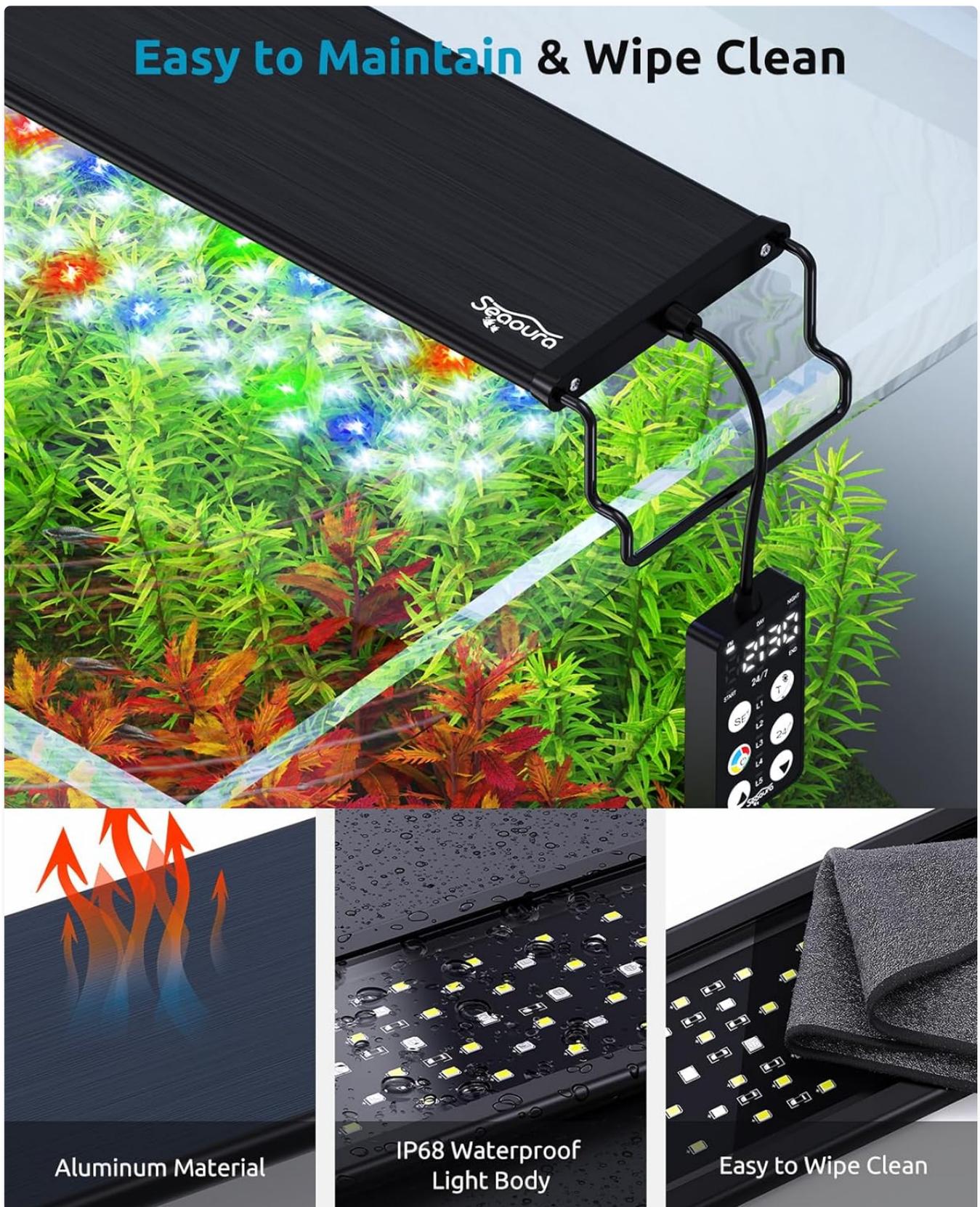

Image 7.1: The light's IP68 waterproof body and aluminum material facilitate easy maintenance.

8. TROUBLESHOOTING

If you encounter issues with your SEAOURA LED Aquarium Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty adapter.	Check if the power adapter is securely plugged into the outlet and the light. Try a different outlet. Ensure the controller cable is firmly connected.
Timer function is inaccurate.	Incorrect local time setting, low CR1220 battery.	Re-set the local time on the controller (refer to Section 6.2). The CR1220 battery is included and pre-installed for memory function; if issues persist after prolonged use, consider replacing it.
Light flickers or dims unexpectedly.	Unstable power supply, loose connection, internal fault.	Ensure the power connection is stable. Check for any visible damage to the cables. If the issue persists, contact customer support.
Excessive algae growth.	Light intensity too high or duration too long for tank conditions.	Reduce the brightness level or shorten the lighting duration. Adjust the timer settings in Day or Night mode as needed.

9. WARRANTY INFORMATION

SEAOURA products are manufactured to high-quality standards. Specific warranty terms and conditions may vary by region and retailer. Please refer to the warranty card included with your purchase or visit the official SEAOURA website for detailed warranty information.

10. CUSTOMER SUPPORT

For any questions, technical assistance, or support regarding your SEAOURA LED Aquarium Light, please contact SEAOURA customer service through the retailer where you purchased the product or visit the official SEAOURA brand store online.
Visit the SEAOURA Store: SEAOURA Official Store

Related Documents

	Seaoura SR-657 Aquarium Light Setup Guide: Installation & Operation Comprehensive setup and operation guide for the Seaoura SR-657 24/7 programmable aquarium light. Learn installation, mode settings, controller functions, and FAQs for optimal aquarium lighting.
	Seaoura SR-659 Programmable Aquarium Light Setup Guide Comprehensive setup guide for the Seaoura SR-659 Programmable Aquarium Light. Learn how to install, operate the controller, and configure various lighting modes including DAY-L, MOON-L, S2 24/7 Natural Mode, and S3 DIY Mode.
	Seaoura SR-657 Aquarium Light Setup Guide Comprehensive setup guide for the Seaoura SR-657 Aquarium Light, detailing installation, controller functions, regular mode, day/night mode, and 24/7 scheduling for optimal aquarium lighting.
	Seaoura SR-618 User Manual: Extendable LED Aquarium Light Comprehensive user manual for the Seaoura SR-618 extendable LED aquarium light, detailing features, specifications, installation, operation modes, safety warnings, and warranty information.

Documents - SEAOURA – SR-657

Seaoura

SR-657 Aquarium Light
Setup Guide

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MADE IN CHINA

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Seaoura SR-657 Aquarium Light Setup Guide: Installation & Operation
Comprehensive setup and operation guide for the Seaoura SR-657 24/7 programmable aquarium light. Learn installation, mode settings, controller functions, and FAQs for optimal aquarium lighting.
lang:de score:26 filesize: 2.21 M page_count: 14 document date: 2024-11-04