

GLOWRIUM M-36-41 in (GLOW-8548)

GLOWRIUM Aquarium Light User Manual

Model: M-36-41 in (GLOW-8548)

Brand: GLOWRIUM

INTRODUCTION

This user manual provides detailed instructions for the GLOWRIUM Aquarium Light, a full spectrum LED fish tank light designed to enhance aquatic environments. It features adjustable brightness, daylight and moonlight modes, and an auto on/off timer function. Please read this manual thoroughly before operation to ensure proper use and longevity of your product.

PRODUCT FEATURES

- **Full Spectrum Lighting:** Utilizes 6500K ultra-bright white LEDs, 460-nanometer blue LEDs, and 660-nanometer red LEDs. Five rows of high-quality LEDs provide full spectrum lighting, promoting photosynthesis and vibrant color formation. With a Color Rendering Index (CRI)>90, it offers optimal conditions for aquatic plant growth and aesthetics.
- **Day/Moon Modes:** Day mode with full spectrum mix white, red, and blue lights provides your aquarium with bright and clear illumination. Moon Mode (Night light) offers a gentle moonlight ambiance to your underwater world during the night. You can switch between these two modes at any time, accentuating vitality and aesthetics in different lighting environments.
- **Timer and Memory Function:** The aquarium light offers three timer options, allowing you to select different time intervals and simulate sunrise and sunset (Duration: 30 minutes) for a more realistic day-night cycle. The power outage memory function ensures that your settings remain unchanged even after power loss and restoration. Even in the event of a power outage, your spectrum settings will be preserved, eliminating the hassle of resetting spectrum repeatedly.
- **Integrated Body with Extendable Bracket:** The aluminum integrated body design not only enhances heat dissipation efficiency but also improves stability. Its extendable bracket effortlessly fits most 36-inch to 41-inch aquariums, ensuring easy installation and operation for both beginners and experienced enthusiasts, guaranteeing a straightforward setup and operation experience.
- **Diverse Support:** GLOWRIUM solemnly promises to accept returns and exchanges for any quality issues within the specified timeframe. We encourage you to utilize our diverse after-sales channels for support, and we will steadfastly honor our commitment.

SETUP INSTRUCTIONS

Follow these steps to properly set up your GLOWRIUM Aquarium Light.

1. Unpacking and Inspection

Carefully remove all components from the packaging. Inspect the light fixture, power adapter, and controller for any signs of damage. Do not use the product if any damage is observed.



Image: Main components of the GLOWRIUM Aquarium Light, showing the LED light bar and the inline controller.

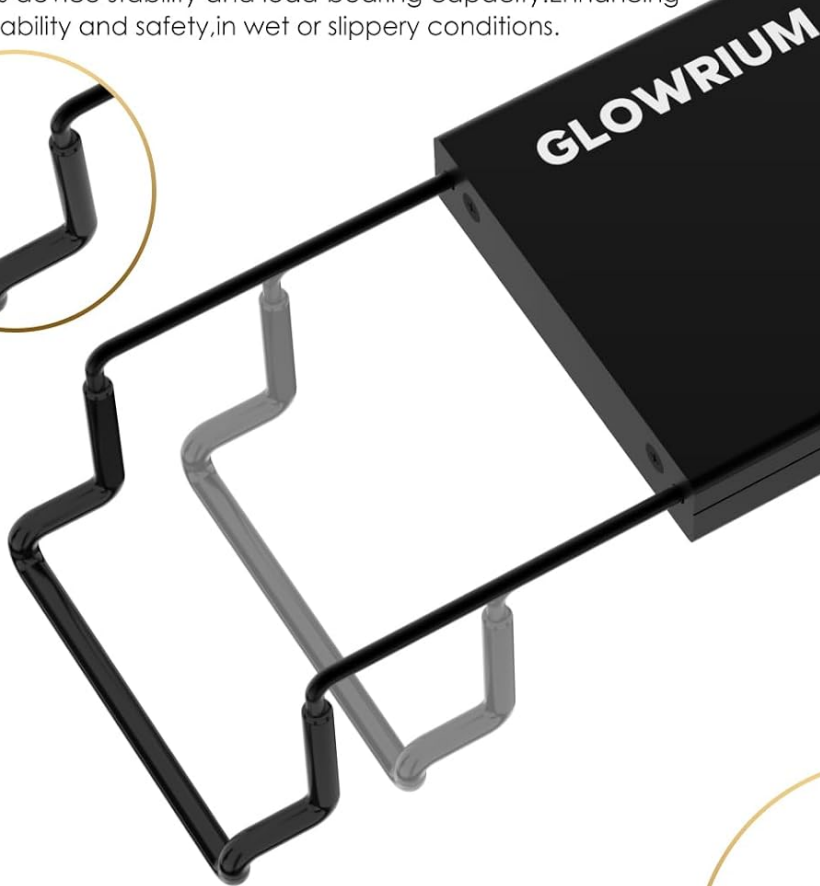
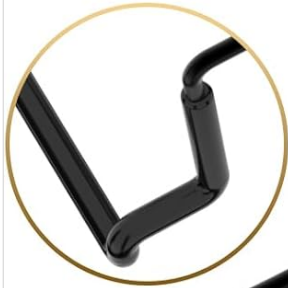
2. Attaching the Extendable Brackets

The light features an integrated body design with extendable brackets. Gently pull the brackets outwards from both ends of the light fixture to extend them to the desired length. Ensure they are securely positioned to fit your aquarium's dimensions.

All-in-one body design & Extendable bracket

Stronger & Non-slip Bracket

Enhances device stability and load-bearing capacity. Enhancing device stability and safety, in wet or slippery conditions.



LED:

High brightness, energy-efficient, long lifespan

Heat Dissipation

Specially designed heat dissipation system to ensure long-term stability and quality.

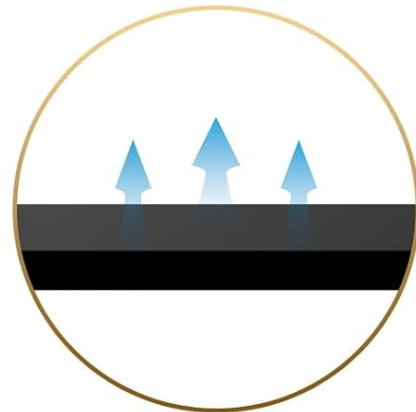


Image: Detail of the extendable brackets and the all-in-one body design, highlighting the non-slip feature and heat dissipation.

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Video: Official GLOWRIUM Aquarium Light demonstration, showing the light's features including the extendable brackets and various lighting modes.

3. Positioning the Light

Place the light fixture securely on top of your aquarium, ensuring the brackets rest firmly on the tank edges. Adjust the position to ensure even light distribution over your aquatic environment.

Multiple sizes to meet different aquarium needs

Model	GC481001	GC481002	GC481003	GC481004	GC481005	GC481006
Power	9W	12W	16W	21W	25W	32W
Fit Aquariums	12-17inch	18-23inch	24-29inch	30-35inch	36-41inch	48-53inch
LEDs Quantity	70pcs	84pcs	132pcs	148pcs	160pcs	256pcs
Lumens	650lm	850lm	1150lm	1500lm	1800lm	2300lm
CRI	> 90					
LED Bead Type	6500K+5000K+3000K White, Red660nm, Blue460nm					
Power Cord Length	4.9ft+1.3ft	4.9ft+1.3ft	4.9ft+1.3ft	4.9ft+1.3ft	4.9ft+1.3ft	4.9ft+1.3ft

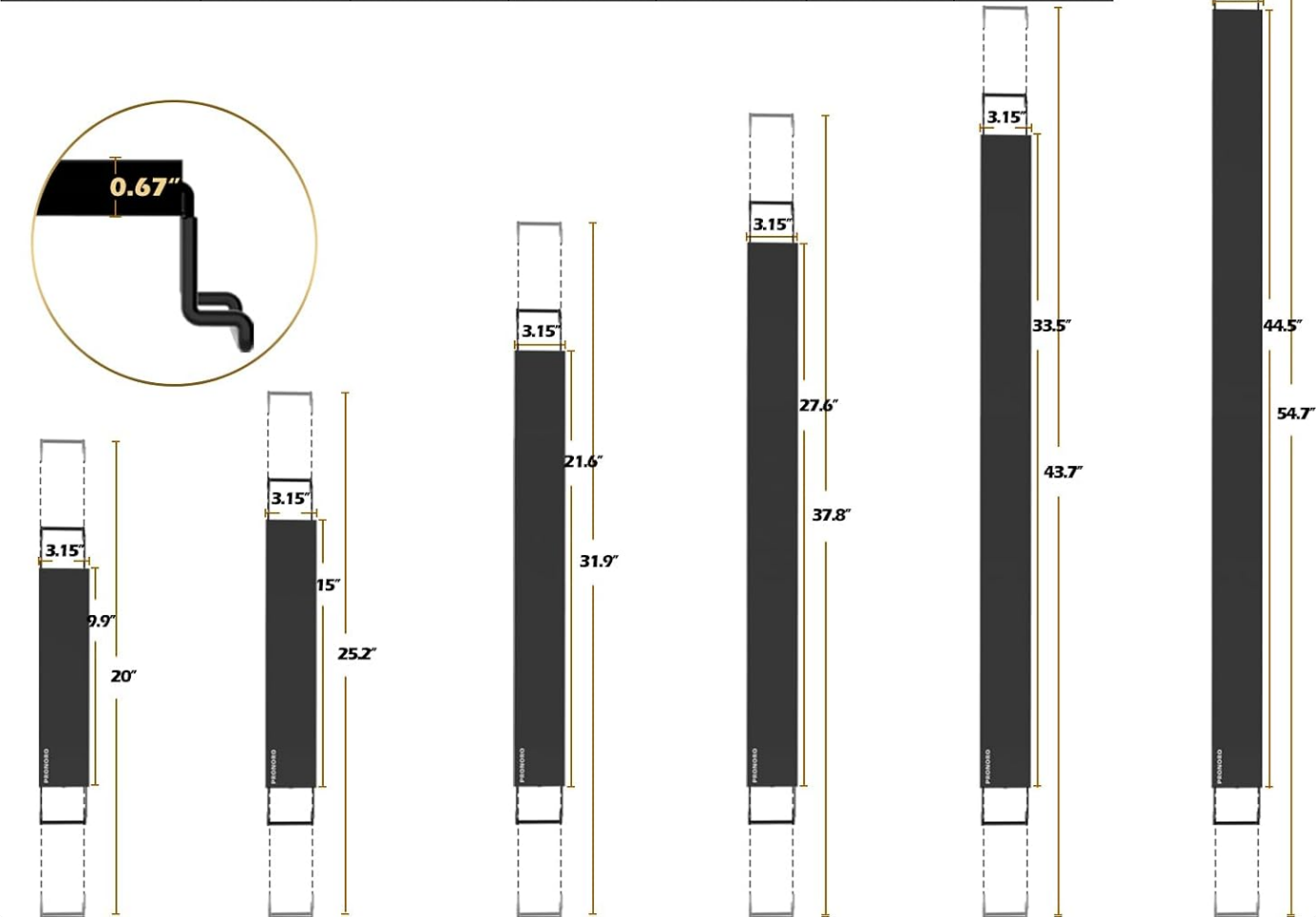


Image: Chart illustrating different models and their compatible aquarium sizes, ensuring proper fit for your tank.

4. Power Connection

Connect the power adapter to the light fixture's input port. Then, plug the power adapter into a standard electrical outlet. Ensure all connections are secure before powering on.

OPERATING INSTRUCTIONS

The GLOWRIUM Aquarium Light is controlled via an inline controller with multiple functions.

1. Power On/Off

Press the **ON/OFF** button (🔌) on the controller to turn the light on or off.

2. Adjusting Brightness (Dimming)

The light offers 7 levels of dimming. Use the **DIM +** and **DIM -** buttons to increase or decrease the brightness. For stepless

dimming, press and hold either dimming button.

Lighting Mode



Image: Visual guide to the 7-level dimming and stepless dimming functions using the controller.

3. Switching Between Day and Moon Modes

Press the **MODE** button (🔄) to switch between Day mode (full spectrum) and Moon mode (blue light for night ambiance).

Day/Night Mode

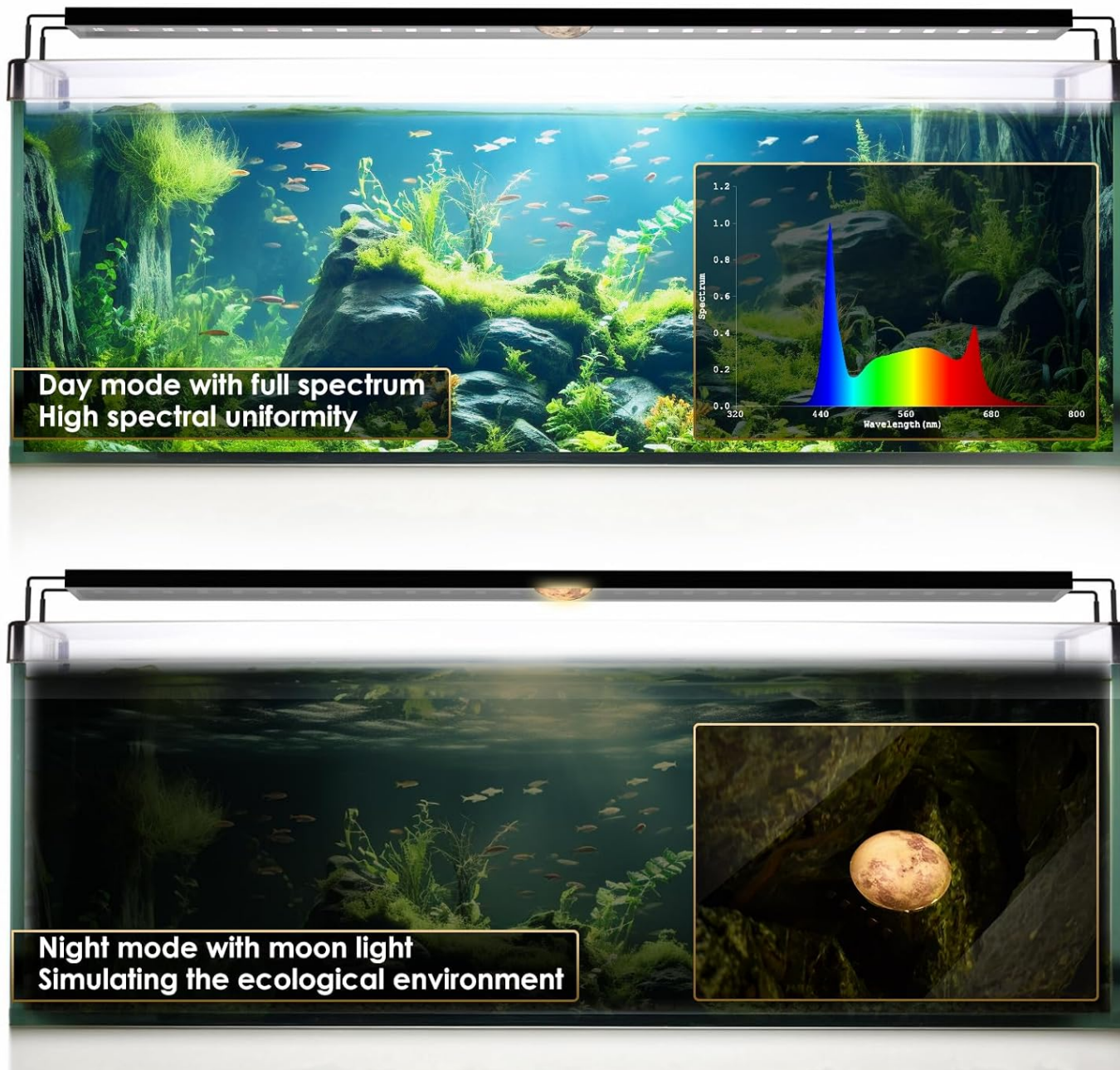


Image: Comparison of Day mode (bright, full spectrum) and Night mode (gentle blue moonlight) in an aquarium setting.

Full Spectrum with excellent spectral balance

CRI90 (High Color rendering index)

Revitalized and natural aquatic plants and fish

-  **660nm (Red Light)**
Activate chlorophyll, enhance the color and aesthetics of plants and fish.
-  **460nm (Blue Light)**
Promotes plant growth, enhances visual effects, controls algae growth.
-  **6500K (White LEDs)**
Promote plant growth, showcase fish colors, and provide a clear view.
-  **120 degree (Optic angle)**
Uniform light distribution, reduced shadows, improved illumination, and enhanced visibility.



Image: Detailed view of the full spectrum LEDs (red, blue, white) and their spectral distribution, indicating optimal conditions for aquatic life.

4. Timer Function (Auto On/Off)

The light offers 3 timer options: 6 hours, 9 hours, and 12 hours. Press the **TIMER** button () to cycle through the options. The selected duration will be indicated by a blue light on the controller. The light will automatically follow a 24-hour day-night cycle with a simulated sunrise (30 minutes slow on) and sunset (30 minutes slow off) effect.

To exit the automatic mode, press and hold the TIMER button until the blue indicator light turns off.

Note: If you use the timer function in moonlight mode, the time period after the timer ends will default to moonlight mode, meaning moonlight mode will last for 24 hours. The timer function must be operated in white light mode. After selecting the duration for the white light operation, the remaining time within the 24-hour period will default to moonlight mode.



Image: Illustration of the timer settings and the simulated sunrise and sunset cycle, demonstrating the automatic on/off feature.

Newly Upgraded Timer Function

To meet the needs of more aquarium enthusiasts, we have upgraded the timer logic in our latest batch. The new timer logic applies to batch number 202404 and later.



The timer function must be operated in white light mode. After selecting the duration for the white light operation, the remaining time within the 24-hour period will default to moonlight mode. If the timer function is used in moonlight mode, the time period after the timer ends will still default to moonlight mode, meaning the moonlight mode will be active for 24 hours.

Older versions of timing logic:

Once the timer is completed, the light will automatically enter the cycle mode as set. When the aquarium light is in moonlight mode, the MODE button will be disabled (i.e., you cannot switch to white light mode). If you want to change the light mode, you need to press and hold the TIMER button to exit the cycle mode, allowing you to freely switch between white and moonlight modes.

New upgraded timing logic:

Once the timer is completed, the light will automatically enter the cycle mode as set. When the aquarium light is in moonlight mode, you can use the MODE button to switch between white and moonlight modes. The system will record the newly set light mode and operate according to this adjustment in the subsequent cycle mode.

Image: Explanation of the newly upgraded timer logic (batch number 202404 and later) which allows switching between white and moonlight modes after the timer is completed.

SPECIFICATIONS

Attribute	Detail
Brand	GLOWRIUM
Model Name	Aquarium LED Light
Item Model Number	GLOW-8548
Size (Current Product)	M-36-41 in
Product Dimensions	36"L x 3.5"W x 2.7"H
Item Weight	2.4 Pounds
Color	Black
Material	Aluminum
Light Source Type	Light Emitting Diode (LED)
Voltage	24 Volts (DC)
Maximum Compatible Light Source Wattage	55 Watts
Color Temperature	6500 Kelvin
Bulb Features	Dimming, Daylight/Moonlight Mode
Mounting Type	Bracket Mount
Power Source	Corded Electric
Country of Origin	China

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your GLOWRIUM Aquarium Light.

- **Cleaning:** Periodically wipe the light fixture with a soft, damp cloth to remove dust and water spots. Ensure the light is unplugged before cleaning. Do not use abrasive cleaners or solvents.
- **LED Care:** Avoid touching the LED chips directly. If necessary, gently clean them with a dry, soft cloth.
- **Cable Inspection:** Regularly check the power cord and connections for any signs of wear, fraying, or damage. Replace if necessary.
- **Heat Dissipation:** Ensure the light fixture has adequate ventilation around it to allow for proper heat dissipation. Do not cover the light or place it in an enclosed space that restricts airflow.

TROUBLESHOOTING

If you encounter issues with your GLOWRIUM 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 fixture. Try a different outlet. Ensure the power button on the controller is pressed.

Light flickers or is dim.	Insufficient power, dimming setting too low, faulty LEDs.	Ensure the power source is stable. Increase brightness using the DIM+ button. If flickering persists, contact customer support.
Timer function not working correctly.	Incorrect timer setting, power interruption.	Re-set the timer according to the operating instructions. Note that power outages may reset the timer on older models (pre-batch 202404). For newer models, settings should be preserved.
Cannot switch between Day/Moon modes.	Controller issue.	Ensure the light is on. Press the MODE button firmly. If unresponsive, try unplugging and re-plugging the light.

WARRANTY AND SUPPORT

GLOWRIUM is committed to providing high-quality products. We offer support for any quality issues within the specified timeframe. For assistance, please contact GLOWRIUM customer service through the following channels:

- Refer to your purchase documentation for specific warranty periods and contact information.
- Visit the official GLOWRIUM store on Amazon: [GLOWRIUM Store](#)
- For general inquiries or support, please reach out via the platform where the product was purchased.

Additional protection plans may be available for purchase:

- 3-Year Protection Plan (USD 7.99)
- 4-Year Protection Plan (USD 10.99)
- Complete Protect (USD 16.99/month) - Covers all eligible past and future purchases.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question