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> GLOWRIUM Aquarium Light, LED Freshwater Fish Tank Light with Timer, Full Spectrum Planted Aquarium Grow Lights with Daylight/Moonlight Mode, Brightness Adjustable, Auto On/Off (30-35 in) G-30-35 in

GLOWRIUM GLOW-8541

GLOWRIUM Aquarium Light User Manual

Model: GLOW-8541

PRODUCT OVERVIEW

The GLOWRIUM Aquarium Light is an advanced LED lighting system designed for freshwater fish tanks. It features a full spectrum of light, including ultra-bright white, blue, and red LEDs, to promote healthy aquatic plant growth and enhance the vibrant coloration of fish. The light includes a built-in timer and adjustable brightness settings, offering both daylight and moonlight modes for a natural day-night cycle simulation.

Key Features:

- **Full-Spectrum Lighting:** Features 5000K white, 460nm blue, and 660nm red LEDs for optimal plant growth and fish coloration with a CRI of over 90.
- **Day/Night Modes:** Easily switch between bright daylight (White, Red, Blue) and gentle moonlight (Blue) modes.
- **Timer and Memory Function:** Offers 3 timer options (6H, 9H, 12H) to simulate sunrise and sunset. Retains settings after power outages.
- **All-in-One Body with Extendable Bracket:** Durable aluminum body for efficient heat dissipation and stability. Adjustable brackets fit 30-inch to 35-inch aquariums.

SETUP AND INSTALLATION

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

1. **Unpack Components:** Carefully remove the aquarium light and all accessories from the packaging. Ensure all parts are present: LED light bar, extendable brackets, and power adapter with controller.
2. **Attach Brackets:** Slide the extendable brackets into the slots on both ends of the LED light bar. Ensure they are securely fastened. The all-in-one body design provides enhanced stability.
3. **Position on Aquarium:** Place the light bar with attached brackets onto the edges of your aquarium. Adjust the extendable brackets to fit your tank's width (suitable for 30-35 inch tanks). The non-slip design ensures secure

placement.

4. **Connect Power:** Plug the power adapter into the light bar's input port. Then, plug the power adapter into a standard electrical outlet.
5. **Initial Power On:** Press the ON/OFF button on the inline controller to turn on the light.



Image: The GLOWRIUM Aquarium Light showing the main light bar, inline controller, and extendable mounting brackets.

Multiple sizes to meet different aquarium needs

Model	GC481007	GC481008	GC481009	GC481010	GC481011	GC481012
Power	9W	12W	16W	21W	25W	32W
Fit Aquariums	12-17inch	18-23inch	24-29inch	30-35inch	36-41inch	48-53inch
LEDs Quantity	62pcs	72pcs	124pcs	140pcs	164pcs	248pcs
Lumens	650lm	850lm	1150lm	1500lm	1800lm	2300lm
CRI	> 90					
LED Bead Type	5000K 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

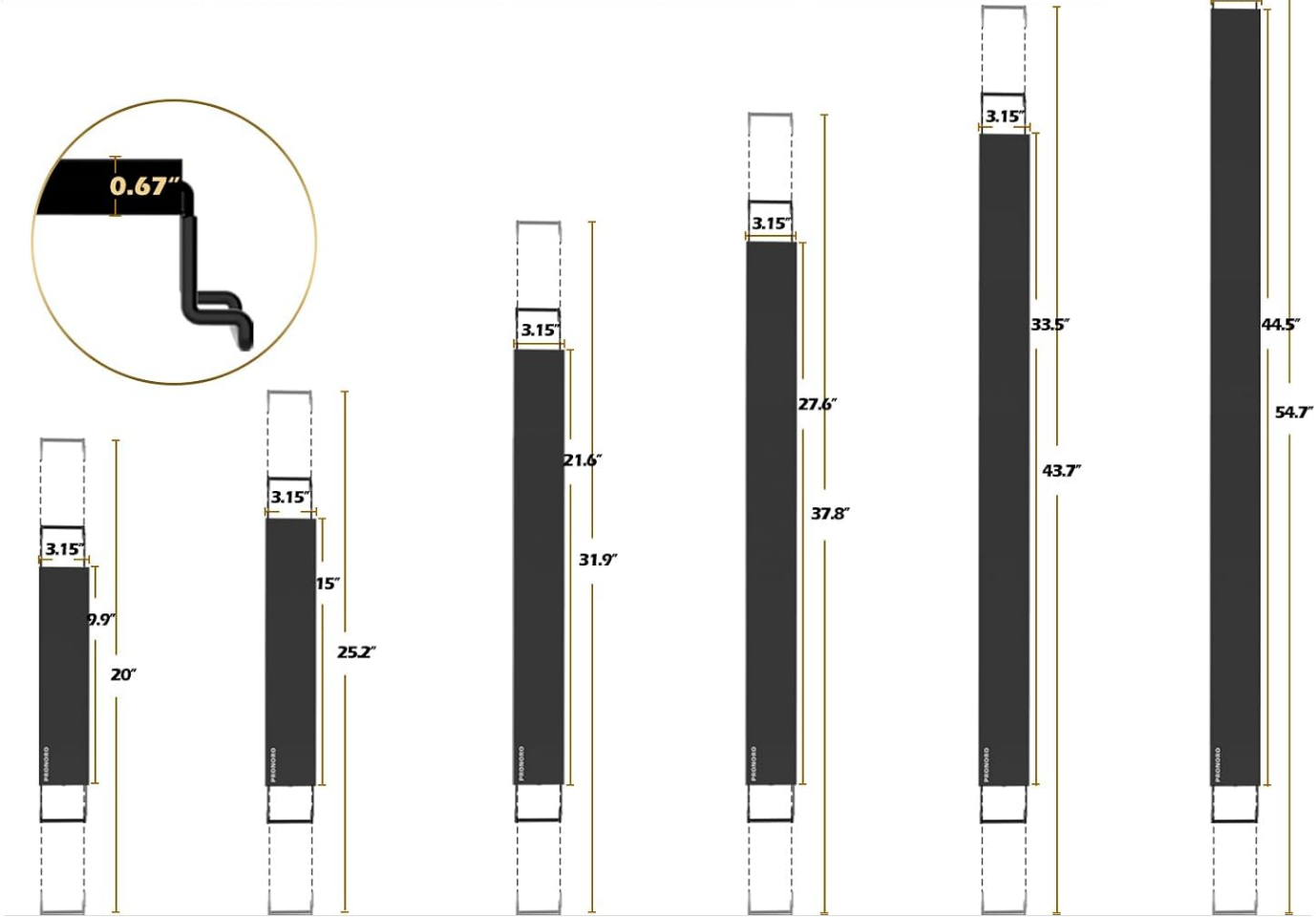


Image: Close-up view of the light's extendable bracket and internal LED layout, highlighting the heat dissipation features.

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Video: An overview of the GLOWRIUM Aquarium Light, demonstrating its features and ease of installation on an aquarium. This video highlights the full spectrum, day/night modes, and the extendable bracket design.

OPERATING INSTRUCTIONS

The GLOWRIUM Aquarium Light is controlled via an inline remote with intuitive buttons.

1. Power On/Off:

- Press the **ON/OFF** button (power symbol) to turn the light on or off.

2. Mode Selection (Day/Night):

- Press the **MODE** button (circular arrow) to switch between Day mode (full spectrum: white, red, blue LEDs) and Night mode (blue LEDs only).

Day/Night Mode

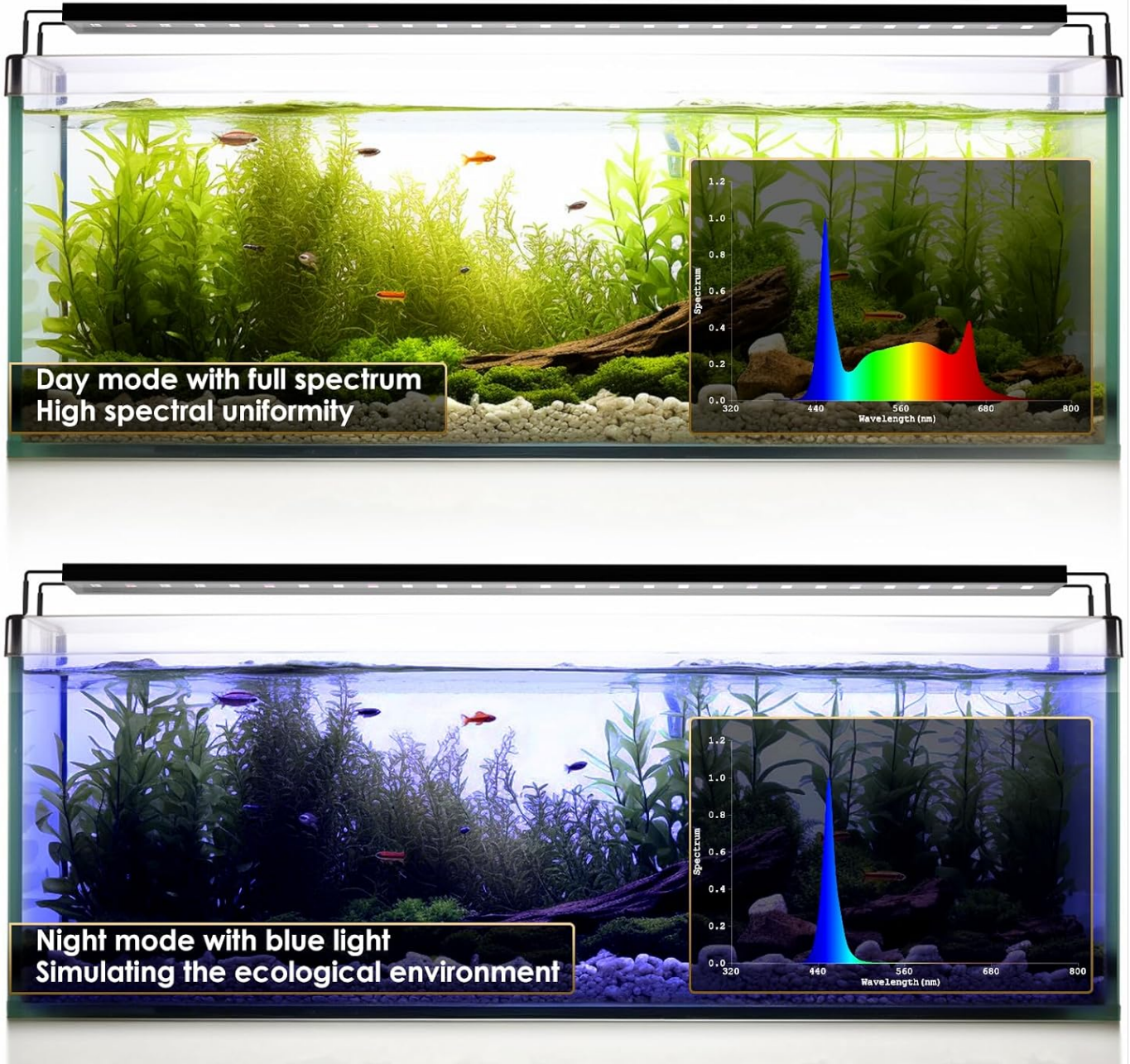


Image: Comparison of the aquarium under Day mode (full spectrum) and Night mode (blue light), demonstrating the visual difference.

3. Brightness Adjustment:

- Use the **DIM +** and **DIM -** buttons to adjust the light intensity. The light offers 7 levels of dimming.
- For stepless dimming, press and hold the DIM button to smoothly adjust brightness from 1% to 100%.

Lighting Mode

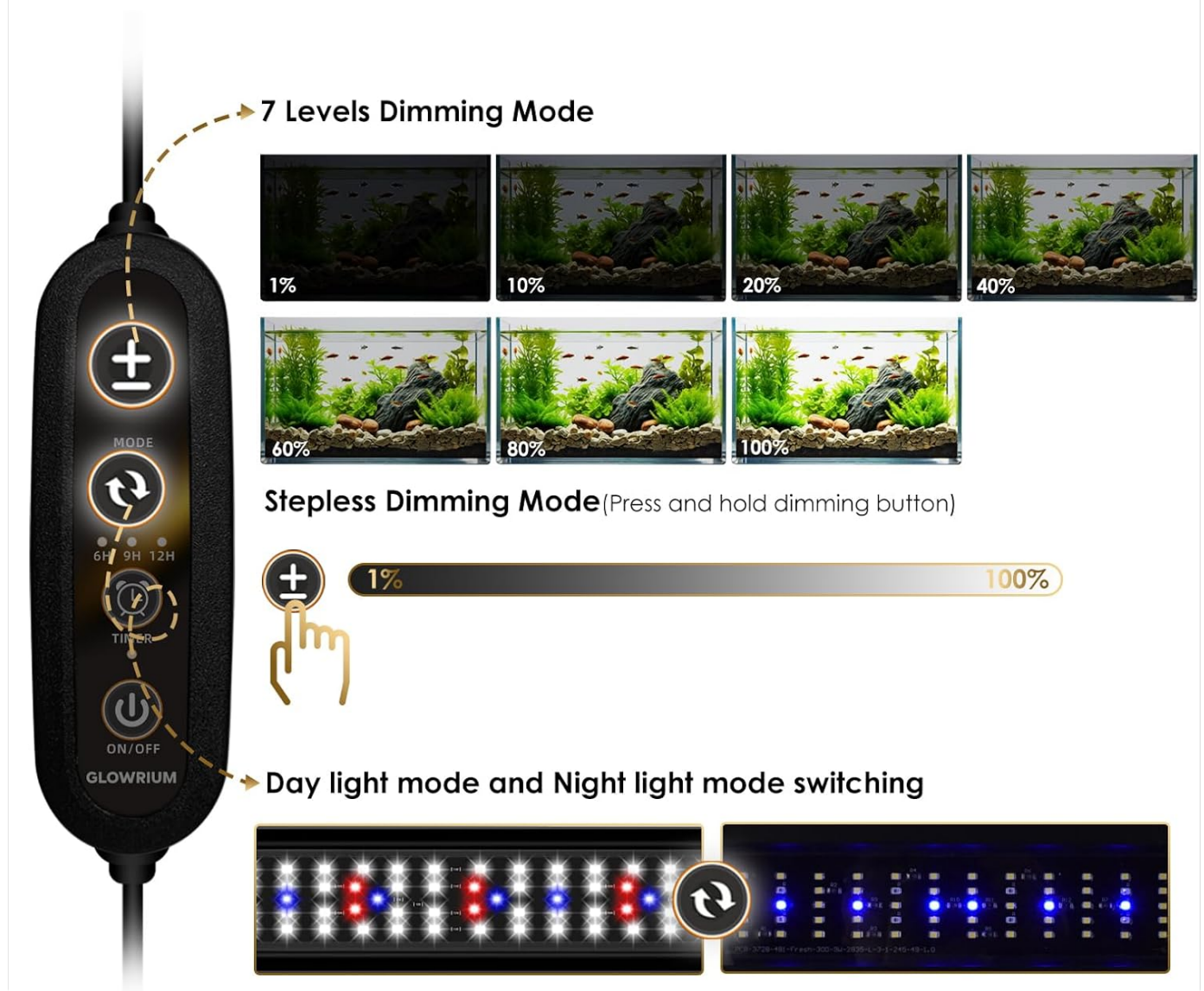


Image: The inline controller illustrating the 7 dimming levels and the stepless dimming function.

4. Timer Function:

- Press the **TIMER** button (clock symbol) to cycle through the preset timer options: 6 hours, 9 hours, or 12 hours.
- Once a timer is set, the light will automatically follow a 24-hour day-night cycle, simulating sunrise and sunset.
- To exit the automatic mode, press and hold the **TIMER** button until the blue indicator light turns off.
- The power outage memory function ensures your timer settings are retained even after a power interruption.

Simulating Sunrise and Sunset



Timer Setting (6hrs 9hrs 12hrs)

Press and hold the TIMER button until the blue indicator light turns off to exit the automatic mode.

After setting the timer, the light will automatically follow a 24-hour day-night cycle with a sunrise and sunset function, and there's no need to repeat the setup daily.



Switching the duration of the daytime timer in the middle of automatic mode will not affect the starting time of the automatic cycle. If you wish to adjust the start time of the automatic cycle, you need to exit the timer mode and then reconfigure it.

Note: If the timer function is used in blue light mode, the time period after the timer ends will still default to blue light mode, meaning the blue light mode will be active for 24 hours.



Image: A visual representation of the sunrise and sunset simulation feature, showing the light intensity changes throughout a 24-hour cycle.

Important Note on Timer Function (Newer Models):

For models with batch number 202404 and later, the timer function has been upgraded. Once the timer is completed, the light will automatically enter the cycle mode as set. When the aquarium light is in blue light mode, you can use the MODE button to switch between white and blue light modes. The system will record the newly set light mode and operate accordingly in the subsequent cycle mode.

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 blue light mode. If the timer function is used in blue light mode, the time period after the timer ends will still default to blue light mode, meaning the blue light 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 blue light 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 blue light 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 blue light mode, you can use the MODE button to switch between white and blue light modes. The system will record the newly set light mode and operate according to this adjustment in the subsequent cycle mode.

Image: A visual comparison detailing the differences in timer logic between older and newly upgraded versions of the light controller.

MAINTENANCE

The GLOWRIUM Aquarium Light is designed for low maintenance. Regular cleaning of the light surface will ensure optimal light output and longevity.

- **Cleaning:** Gently wipe the LED surface and the light bar with a soft, damp cloth to remove any dust or water spots. Ensure the light is unplugged before cleaning.
- **Heat Dissipation:** The aluminum body is designed for efficient heat dissipation. Ensure the light is not covered or obstructed to allow for proper airflow.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose connection; faulty power adapter.	Check if the power adapter is securely plugged into both the light and the outlet. Test the outlet with another device. If issues persist, contact customer support.
Light modes or brightness not changing.	Controller malfunction; incorrect button press.	Ensure you are pressing the correct buttons firmly. Unplug the light for 30 seconds and plug it back in to reset the controller.
Timer settings are lost after power outage (older models).	This is expected behavior for older models without memory function.	Reset the timer manually. Newer models (batch 202404+) have a memory function.

SPECIFICATIONS

Feature	Detail
Model	GLOW-8541
Product Dimensions	3.5"D x 30"W x 2.5"H
Item Weight	2.2 Pounds
Lamp Type	LED
Light Source Type	LED (5000K White, 460nm Blue, 660nm Red)
Material	Aluminum
Power Source	Corded Electric
Voltage	24 Volts (DC)
Control Method	Push Button
Water Resistance Level	Not Water Resistant
Compatible Aquarium Size	30-35 inches

WARRANTY AND SUPPORT

GLOWRIUM is committed to providing high-quality lighting products. We solemnly promise to accept returns and exchanges for any quality issues within the specified timeframe.

For support, inquiries, or to utilize our after-sales channels, please contact GLOWRIUM direct. We are dedicated to resolving any problems you may encounter and steadfastly honoring our commitment to customer satisfaction. For more information, visit the official GLOWRIUM store:[GLOWRIUM Store on Amazon](#)

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