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hygger 14W for 12~18inch Tank (ASIN: B08N196VTG)

hygger Fish Aquarium LED Light User Manual

Model: 14W for 12-18 inch Tank (ASIN: B08N196VTG)

Brand: hygger

1. Product Overview

The hygger Fish Aquarium LED Light is designed to provide optimal lighting for freshwater planted tanks, simulating natural light cycles with adjustable features. This 14W model is suitable for 12 to 18-inch tanks, offering a versatile lighting solution for aquatic environments.



Image: Hygger 14W Fish Aquarium LED Light, showing the light bar, inline controller, and power adapter.

Key Features:

- **24/7 Natural Mode:** Simulates sunrise, daylight, and moonlight cycles for a natural aquatic environment.
- **DIY Mode:** Allows customization of lighting time (6H, 10H, 12H), brightness (5 levels), and color (7 static colors + cycle).
- **Extendable Bracket:** Adjustable length for easy installation on various freshwater tanks (12-18 inches).
- **Separable Adapter:** Designed for easy replacement if damaged, reducing waste.
- **Efficient Heat Dissipation:** Thicken aluminum construction ensures optimal performance and longevity.
- **Power-off Memory Function:** Retains previous settings after power interruption.
- **Eye & Fish Protection:** Soft light with a high color rendering index (CRI: 85) close to natural light, minimizing

discomfort.

- **Durable & Waterproof:** High-quality 2835 + 5050 model lamp beads with a service life of at least 50,000 hours. Lamp beads are waterproof for easy cleaning.

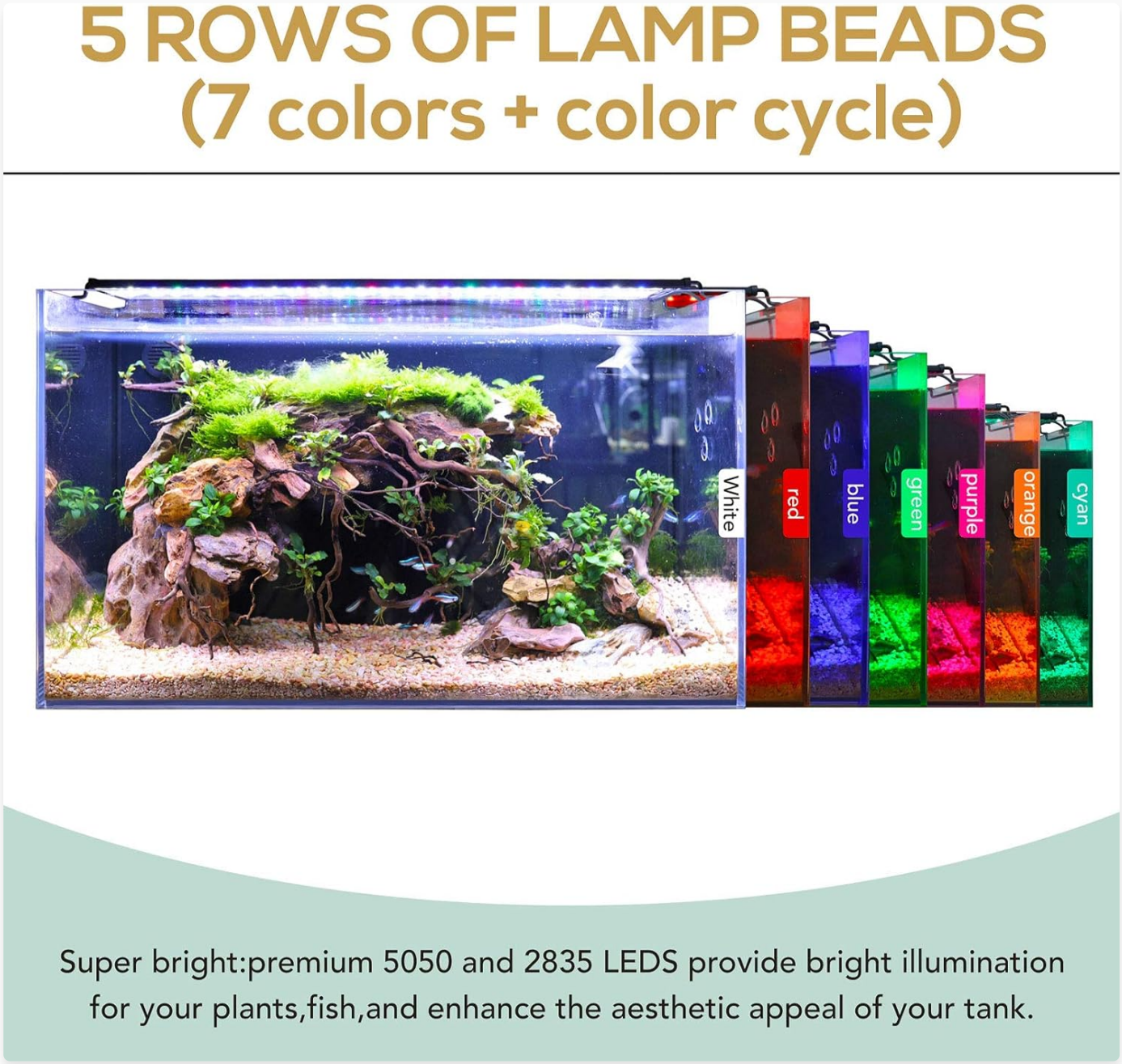


Image: The Hygger LED light illuminating an aquarium, showcasing its effect on the tank's appearance and fish.

2. Setup Instructions

Follow these steps to properly set up your hygger Fish Aquarium LED Light:

1. **Unpack Components:** Carefully remove the LED light, extendable brackets, and power adapter from the packaging.
2. **Attach Brackets:** Slide the extendable bending brackets onto both ends of the LED light bar. Ensure they are securely attached.
3. **Position on Tank:** Place the LED light with attached brackets onto the edges of your aquarium. Adjust the length of the brackets to fit your tank size (12-18 inches). The light should rest securely on the tank's rim.

4. **Connect Power:** Connect the power adapter to the inline controller, and then plug the adapter into a suitable power outlet. Ensure all connections are firm.
5. **Initial Power On:** The light will typically turn on in its default 24/7 Natural Mode upon first power-up.

Note: This light is designed to sit directly on the tank rim. If your aquarium has an existing lid, it may need to be removed or adjusted to accommodate the light.

3. Operating Instructions

Your hygger LED light offers two primary operating modes: 24/7 Natural Mode and DIY Mode, controlled via the inline controller.

3.1. 24/7 Natural Mode (Default)

This mode simulates a natural day-night cycle, providing optimal lighting for your aquatic life. The light transitions automatically through different colors and intensities throughout a 24-hour period.

- **6:00 AM - 8:00 AM:** Gradient Orange light (simulating sunrise).
- **8:00 AM - 6:00 PM:** Gradient White light (simulating daylight).
- **6:00 PM - 10:50 PM:** Gradient Blue light (simulating moonlight).
- **Other Times:** Lights are off.

The 6-time points on the controller serve as a reference for the initial running time setting. The overall default time period can be delayed or advanced based on when you first activate this mode.

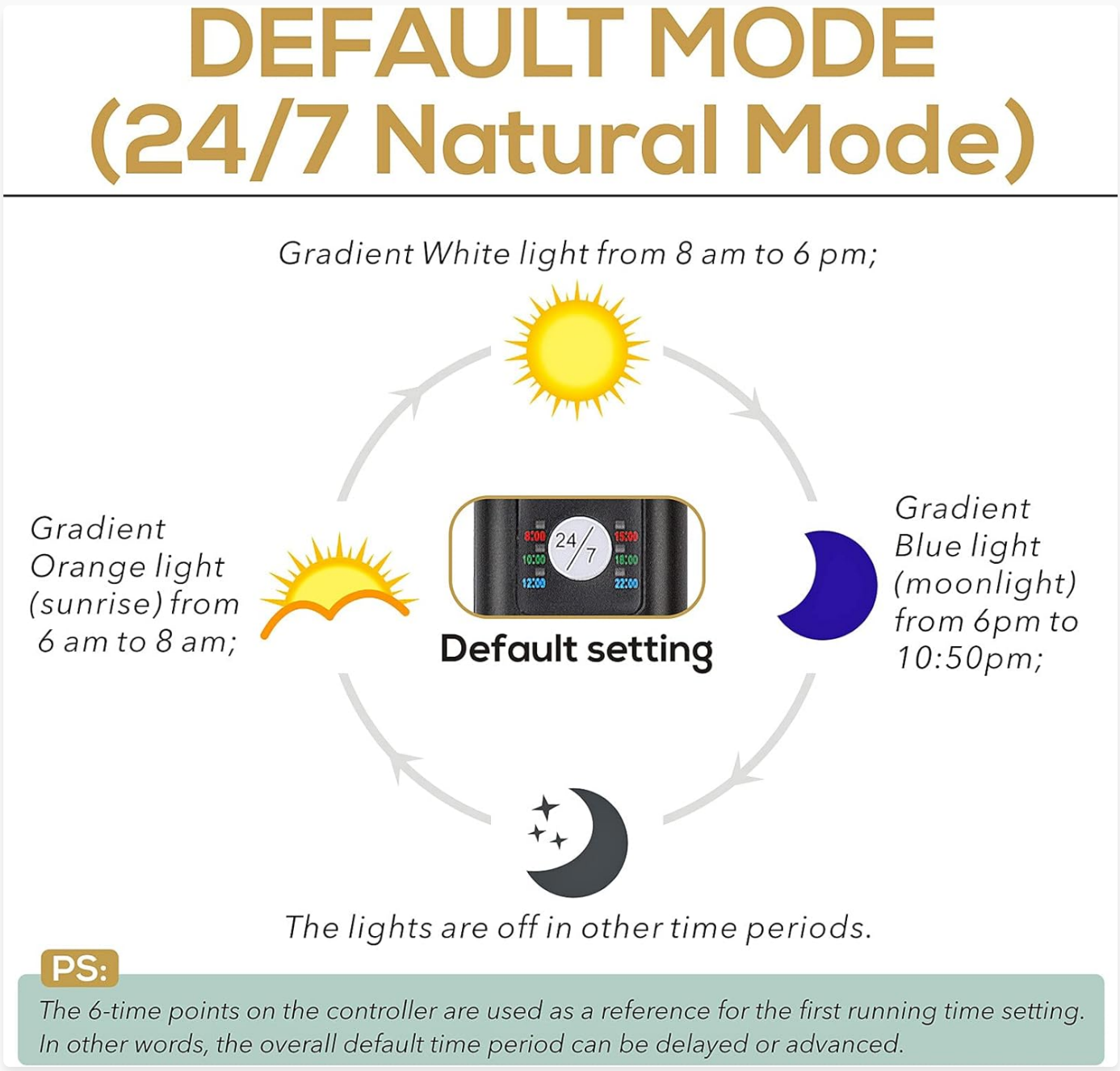


Image: Visual representation of the 24/7 Natural Mode, illustrating the sunrise, daylight, and moonlight phases.

3.2. DIY Mode (Custom Settings)

In DIY Mode, you have full control over the lighting time, color, and brightness. Use the inline controller buttons to customize your settings.

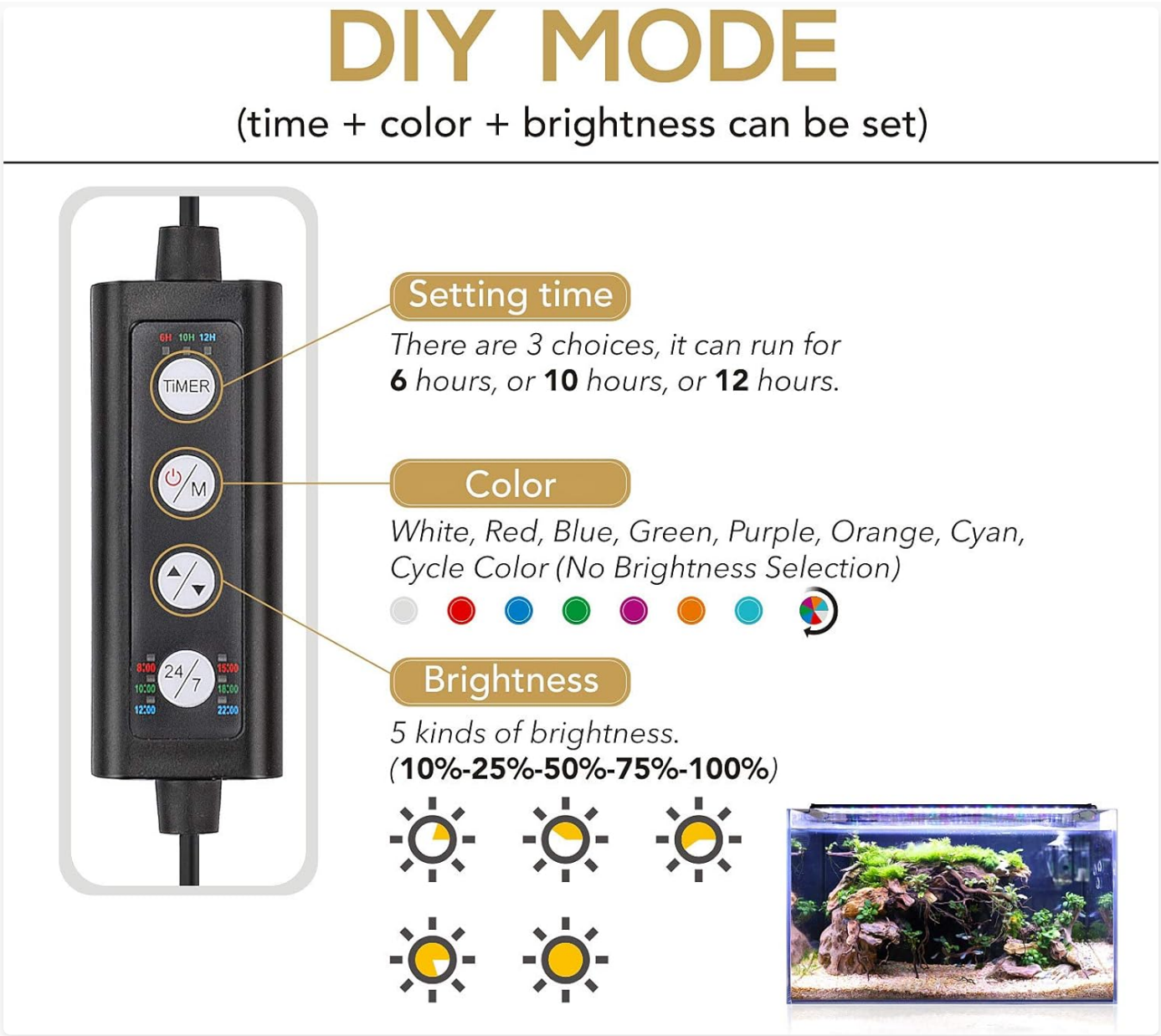


Image: Detailed diagram of the inline controller, highlighting buttons for setting time, color, and brightness in DIY Mode.

- **Setting Time (TIMER key):**
  - Press the "TIMER" key to select the desired running duration: 6 hours, 10 hours, or 12 hours.
- **Adjusting Brightness (Up/Down keys):**
  - Use the "Up" and "Down" arrow keys to select from 5 levels of brightness (10%, 25%, 50%, 75%, 100%, 75%, 50%, 25%, 10%).
  - The light will slowly ramp up and down over 15 minutes to reach the set brightness.
- **Changing Color (ON-OFF/M key):**
  - Press the "ON-OFF/M" key to cycle through 7 static colors: White, Red, Blue, Green, Purple, Orange, Cyan.
  - Pressing the "ON-OFF/M" key twice will activate the "Cycle Color" mode, where colors transition automatically (brightness selection is not available in this mode).

The light features a power-off memory function, meaning your last selected mode and settings (except for the start time in 24/7 mode, which defaults to 6 AM) will be retained when power is restored.

4. Maintenance

Proper maintenance ensures the longevity and optimal performance of your hygger LED light.

- **Cleaning:** The lamp beads are waterproof, making the light easy to clean and wipe. Use a soft, damp cloth to gently clean the light bar. Ensure the power is disconnected before cleaning.
- **Water Exposure:** The lamp beads are designed to be waterproof. There is no need to worry if the light briefly falls into the water during maintenance, but prolonged submersion is not recommended for the entire unit.
- **Adapter Care:** The adapter is separable. If it becomes damaged, it can be replaced independently, avoiding the need to replace the entire light unit.

5. Troubleshooting

If you encounter any issues with your hygger Fish Aquarium LED Light, please refer to the following common troubleshooting tips:

- **Light Not Turning On:**
  - Check if the power adapter is securely plugged into both the light's inline controller and the wall outlet.
  - Ensure the power outlet is functional by testing it with another device.
  - Verify that the inline controller is not damaged.
- **Incorrect Light Mode/Color:**
  - Refer to Section 3, "Operating Instructions," to correctly set the 24/7 Natural Mode or DIY Mode.
  - Ensure you are pressing the correct buttons on the inline controller for desired color, brightness, or time settings.
- **Light Flickering:**
  - Check all power connections for looseness.
  - Ensure the power adapter is providing stable voltage.
- **Light Not Fitting Tank:**
  - Ensure the extendable brackets are fully extended or retracted to match your tank's dimensions (suitable for 12-18 inch tanks).

If the issue persists after trying these steps, please contact hygger customer support for further assistance.

6. Specifications



Image: Visual breakdown of the Hygger LED light's key specifications, including dimensions, lumen output, and LED quantity.

Feature	Detail
Power	14W
LED Quantity	58 PCS (White: 29, Blue: 11, Red: 4, Green: 2, RGB: 12)
CRI (Color Rendering Index)	85
Application (Fish Tank Length)	12”–18”
Power Cord Length	4.9 ft + 2.3 ft
Input Voltage	AC100-240V
Output Voltage	DC 20V
Kelvin (Color Temperature)	White 6500K, Blue 455 nm, Red 620 nm, Green 560 nm

Feature	Detail
Lumens	817
Product Dimensions (L x W x H)	12 x 4.72 x 7.09 inches
Material	Aluminum
Waterproof	Yes (Lamp beads)

7. Warranty & Support

For warranty information, product support, or any inquiries regarding your hygger Fish Aquarium LED Light, please contact hygger customer service through the retailer where you purchased the product or visit the official hygger website. Please retain your proof of purchase for warranty claims.

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