

hygger HG016

Hygger Advanced Remote Control Aquarium Light Instruction Manual

Model: HG016

1. INTRODUCTION

The Hygger Advanced Remote Control Aquarium Light (Model HG016) is designed to provide customizable full-spectrum lighting for freshwater planted tanks. It features unique purple LED bulbs, a remote control with an LCD display, and various customizable lighting modes including DIY, Day & Moon, Default, and Weather modes. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your aquarium light.

2. PRODUCT FEATURES

- **Unique Purple LED Bulbs:** Equipped with 60 effective growing four-row LED bulbs, including 4 purple LEDs, 24 RGB LEDs, and 32 white LEDs for super bright lighting and a 120-degree wide beam angle.
- **Remote Control with LCD Display:** Easy program setting via 19-key buttons, allowing adjustment of working mode, color, brightness, and time within a 32-foot range. Display shows settings simultaneously. (Note: Remote is not waterproof).
- **Vary Customizable Options:**
 - **DIY Mode:** 24 hours divided into 8 phases, allowing custom time, color, and brightness for each phase.
 - **Day & Moon Light Mode:** Full spectrum during the day and blue light at night, with options to create custom color blends.
 - **Default Mode:** Simulates a 24-hour natural spectrum, including gradual sunrise, bright daylight, gentle sunset, and 4 hours of moonlight before turning off.
 - **Weather Mode:** Offers sunrise, sunset, cloudy, and lightning effects for dynamic tank ambiance.
- **Full Spectrum Lighting:** Provides 7 spectrum colors (red, green, blue, purple, orange, cyan, yellow) with wavelengths from 380nm to 680nm, and 10 dimmable brightness levels. Memory function retains last settings.
- **IP68 Waterproof Brackets Light:** Slim design (10.8" x 4.25" x 0.47") with extendable bracket legs to fit 12 to 18-inch tanks. High-quality aluminum shell for improved heat dissipation and PC lamp cover to prevent water splashing.

3. PACKAGE CONTENTS

Please check the package contents upon unboxing to ensure all components are present and undamaged.

- Hygger Aquarium LED Light Unit
- Remote Control with LCD Display
- Power Adapter
- Extendable Bracket Legs (2 pcs)
- Instruction Manual (this document)

4. SETUP INSTRUCTIONS

1. **Unpack Components:** Carefully remove all items from the packaging. Inspect for any signs of damage.
2. **Attach Bracket Legs:** Slide the extendable bracket legs onto both ends of the light unit. Ensure they are securely fastened.

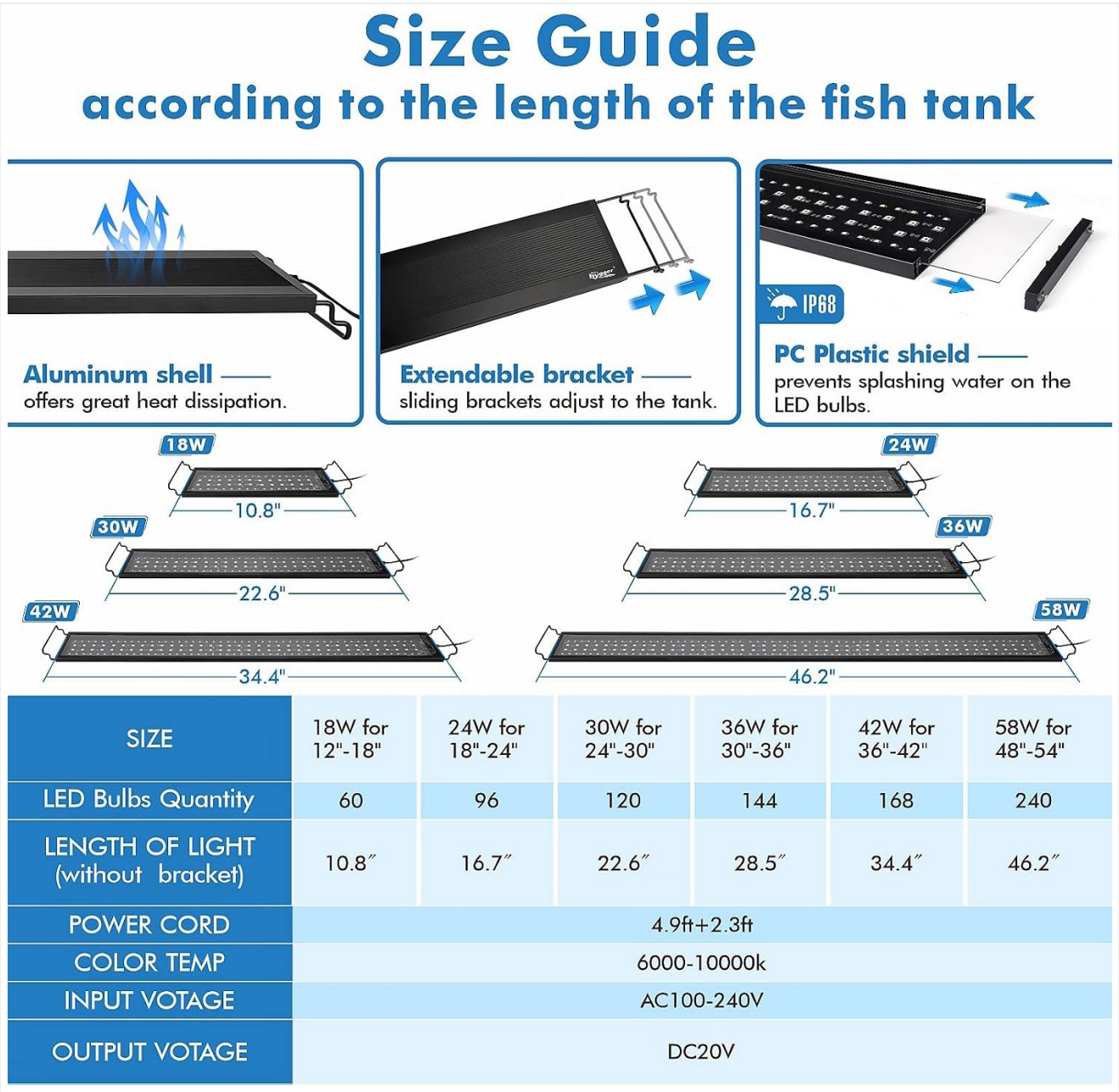


Figure 4.1: The Hygger aquarium light with its extendable bracket legs, designed to fit various tank lengths. The image also shows the PC plastic shield for LED protection and an aluminum shell for heat dissipation.

3. **Position Light on Tank:** Place the light unit with attached brackets securely on top of your aquarium. Adjust the

extendable legs to fit the length of your tank (12 to 18 inches for this model).

4. **Connect Power Adapter:** Connect the power adapter to the light unit's power input. Then, plug the power adapter into a suitable electrical outlet.



Figure 4.2: The power adapter for the Hygger aquarium light, ensuring proper power supply to the unit.

5. **Insert Remote Control Battery:** Open the battery compartment on the back of the remote control and insert the required battery (included).



Figure 4.3: Illustration showing how to insert the battery into the remote control unit.

5. OPERATING INSTRUCTIONS

5.1. Remote Control Overview

The remote control is your primary interface for managing the aquarium light's functions. It features an LCD screen for easy viewing of settings and dedicated buttons for various modes and adjustments.



Figure 5.1: The Hygger aquarium light and its remote control, which features an LCD display for easy setting adjustments.

hygger Aquarium LED Light with Remote Control

provides a full color spectrum suit for plants growth

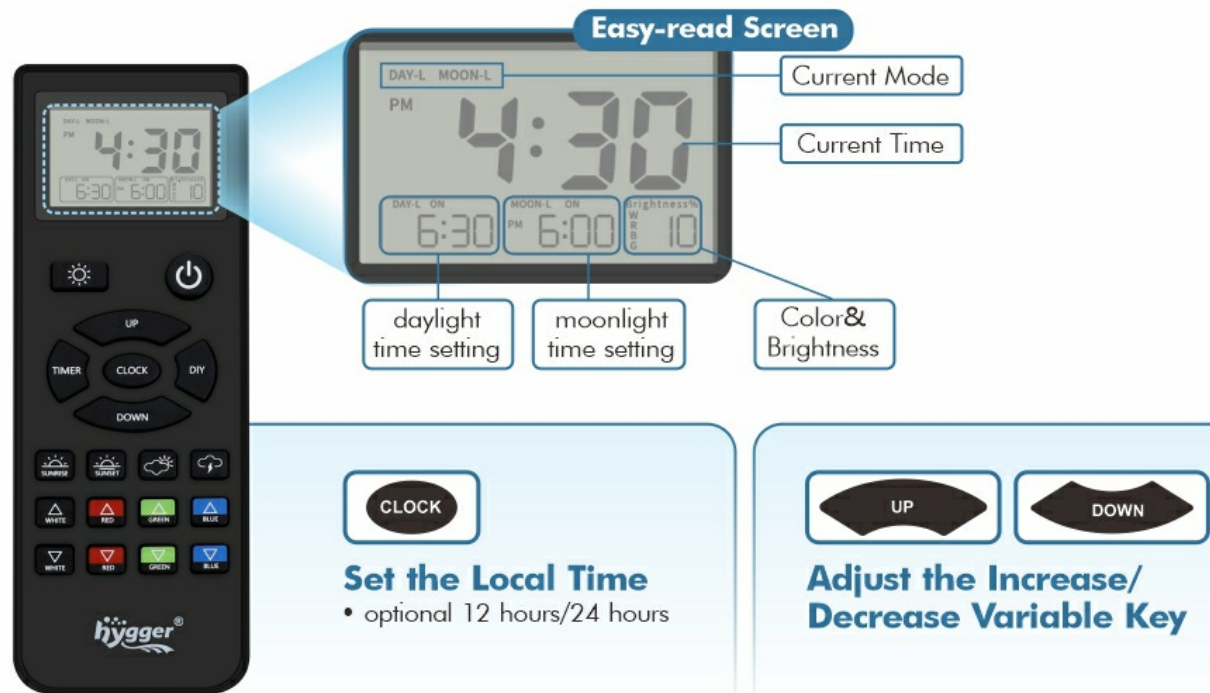


Figure 5.2: Detailed view of the remote control's LCD display, showing current mode, time, and settings for daylight and moonlight.

The remote control has a maximum effective range of 32 feet. Ensure there are no obstructions between the remote and the light unit for optimal performance.



Figure 5.3: Illustration demonstrating the effective range of the remote control, up to 32 feet.

5.2. Setting the Clock

To set the current time on the remote control:

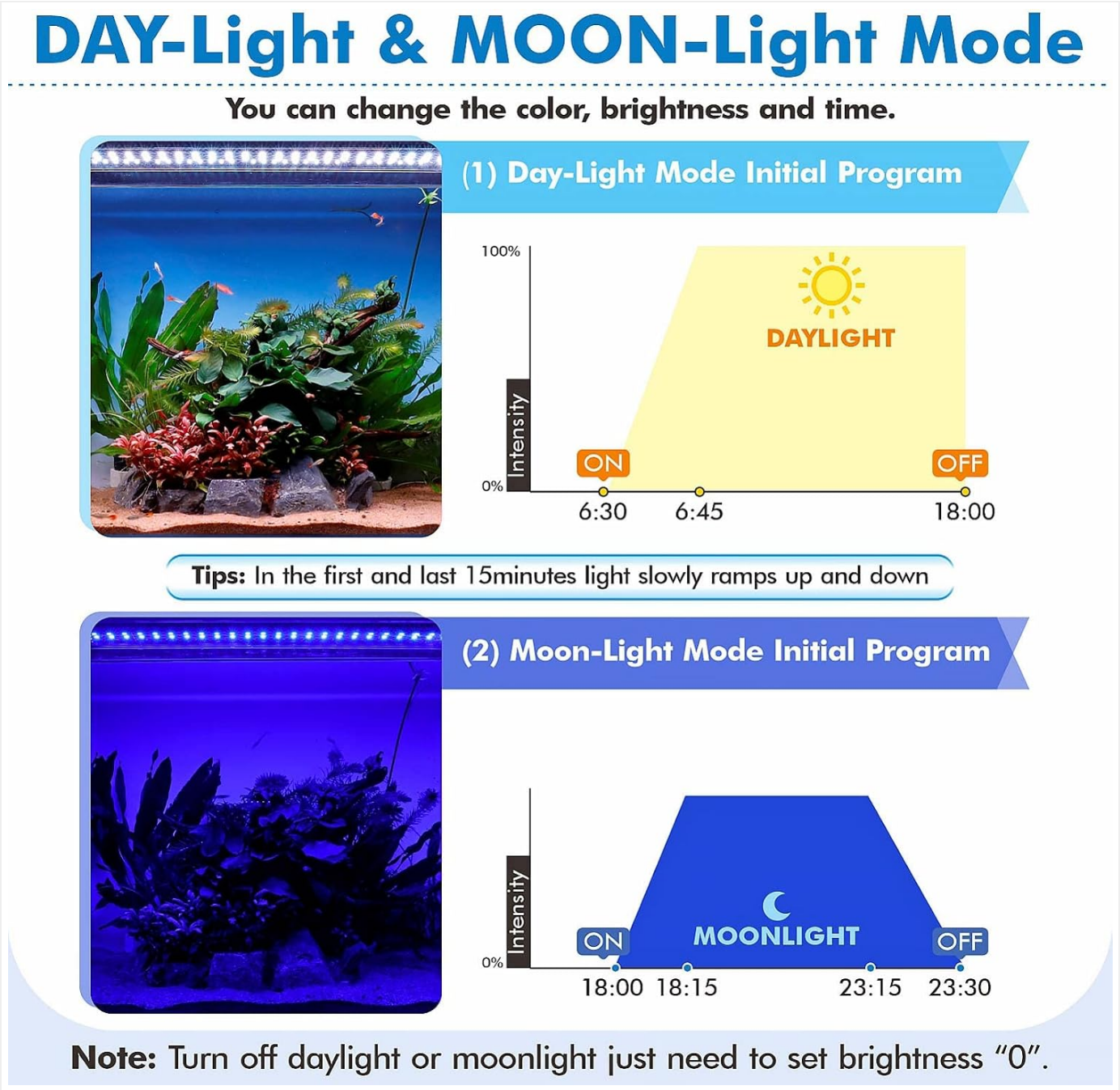
1. Press the **CLOCK** button.
2. Use the **UP/DOWN** buttons to adjust the hour.
3. Press **CLOCK** again to move to minutes, then use **UP/DOWN** to adjust.
4. Press **CLOCK** one more time to save and exit.

5.3. Operating Modes

5.3.1. Default Mode (Day & Moon Light)

This mode simulates a natural 24-hour cycle with gradual transitions. It includes a sunrise, bright daylight, gentle sunset,

and 4 hours of moonlight before turning off for the night. You can adjust the start and end times for daylight and moonlight, as well as their brightness.





Timer

You can set each mode lighting time and customize color and brightness.

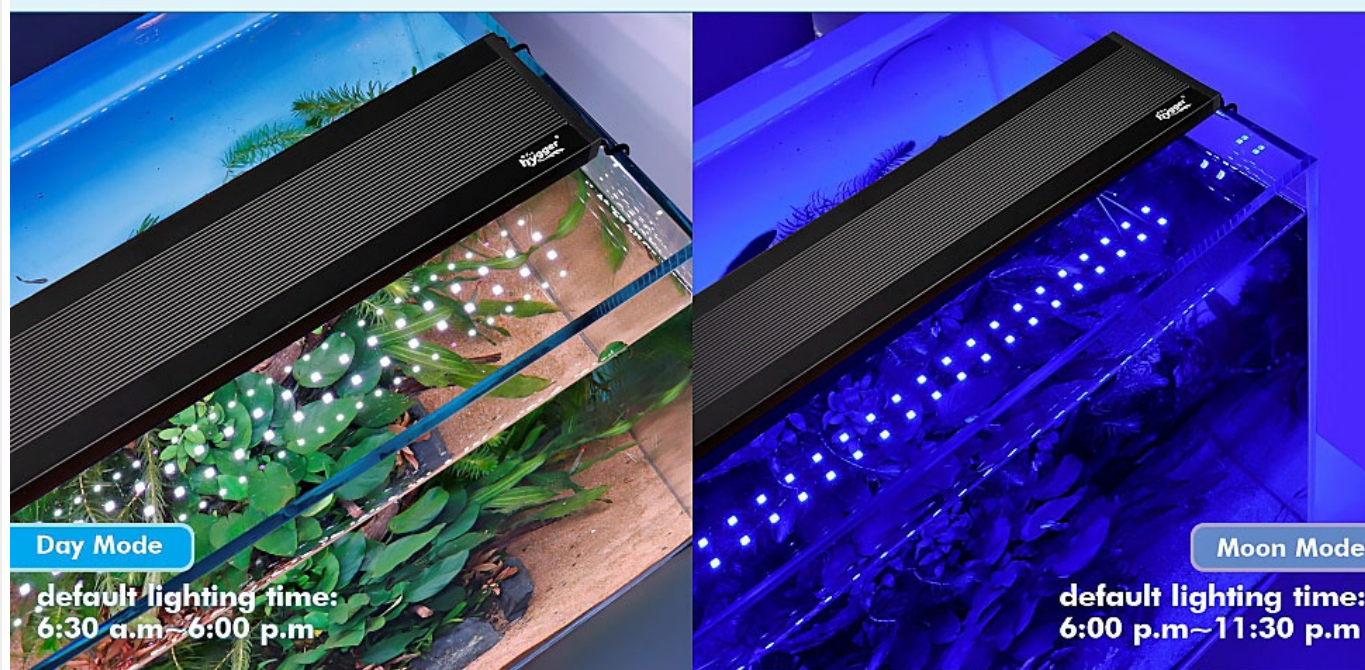


Figure 5.5: Comparison of Day Mode (full spectrum) and Moon Mode (blue light) in an aquarium, demonstrating the visual difference.

To turn off daylight or moonlight in this mode, simply set their brightness to "0".

5.3.2. DIY Mode (Customizable 24-Hour Cycle)

The DIY mode allows you to create a fully customized 24-hour lighting cycle divided into 8 distinct phases (L1 to L8). For each phase, you can set the start time, end time, and the intensity of white, red, green, and blue LEDs.

DIY Mode

Divided into 8 light phases, You can customize the time range, color and brightness of the L1~L8 phases.

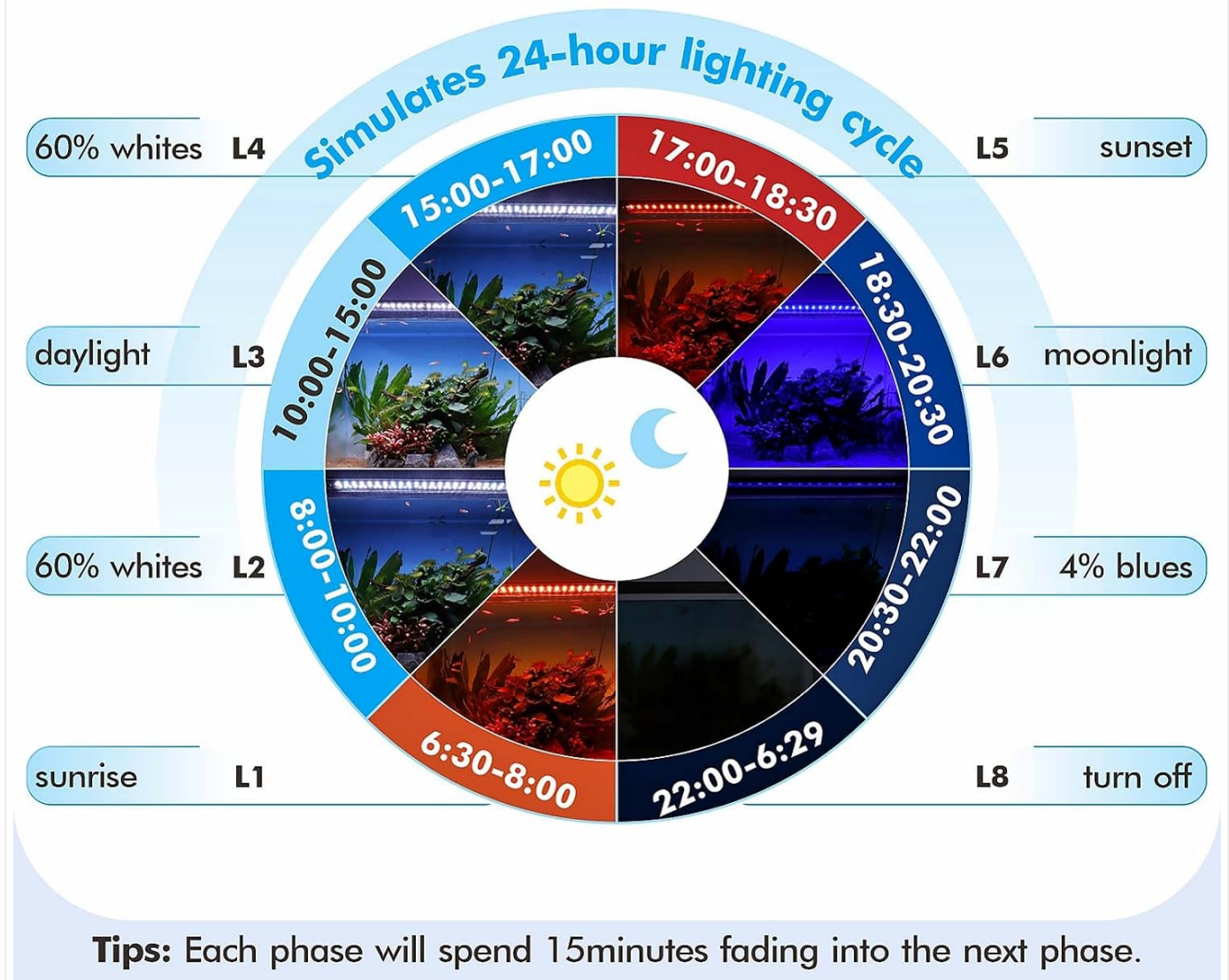


Figure 5.6: Diagram illustrating the 8 phases of the DIY mode, simulating a 24-hour lighting cycle with different light intensities and colors. Each phase includes a 15-minute fading transition.

To set DIY Mode:

1. Press and hold the **DIY** button until the screen displays "OFF".
2. Press the **UP/DOWN** button to select "ON" to turn on DIY mode.
3. Press the **DIY** button once to save.
4. The screen will display "L1" and the first time box will flash the hour number. Use **UP/DOWN** to set the start hour for L1. Press **DIY** to save.
5. The minute number will flash. Use **UP/DOWN** to set the start minute. Press **DIY** to save.
6. The second time box will flash the hour number. Use **UP/DOWN** to set the end hour for L1. Press **DIY** to save.
7. The minute number will flash. Use **UP/DOWN** to set the end minute. Press **DIY** to save.
8. The third time box will flash the brightness number. Use the **WRGB** (White, Red, Green, Blue) channel buttons to set your desired brightness for stage L1. Press **DIY** to save.
9. The system will automatically advance to the next stage (L2). Repeat steps for all stages up to L7. Note: No need to set stage L8, it is default light off.
10. Finally, press the **CLOCK** button once to exit.

For a visual guide on setting up DIY mode, please refer to the video below:



Video 5.1: A detailed tutorial on how to set the DIY mode for the Hygger 016 Remote Aquarium Light, demonstrating each step of the programming process.

5.3.3. Weather Mode

The Weather mode offers dynamic lighting effects to enhance your aquarium's ambiance. You can choose from Sunrise, Sunset, Cloudy, and Lightning effects.



Figure 5.7: Visual representation of the four weather options: Sunrise, Sunset, Cloudy, and Lightning, showing their effects on an aquarium. To activate a weather effect, simply press the corresponding button on the remote control (Sunrise, Sunset, Cloudy, Lightning icons).

5.3.4. Color Options and Brightness Adjustment

The light offers 7 spectrum colors (red, green, blue, purple, orange, cyan, yellow) and 10 levels of brightness dimmable options. You can freely adjust lighting intensity to meet different stages of plant lighting needs.



Figure 5.8: Display of available color options and the 10-level brightness dimmable feature, ranging from 10% to 100% intensity.

Use the dedicated color buttons (Red, Green, Blue, Purple, Orange, Cyan, Yellow, Full Spectrum) to select a color. Use the **UP/DOWN** buttons under the light icon to adjust brightness.

6. MAINTENANCE

- **Regular Cleaning:** Wipe the light unit and PC lamp cover regularly with a soft, damp cloth to remove dust and water spots. Ensure the unit is unplugged before cleaning.
- **Check Connections:** Periodically inspect all electrical connections for tightness and signs of wear.
- **Remote Control Care:** Keep the remote control dry. If the display fades or buttons become unresponsive, replace the battery.
- **Heat Dissipation:** Ensure the aluminum shell is not obstructed to allow for proper heat dissipation.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	Power adapter not connected; power outlet issue; remote control battery low.	Check power connections. Test the outlet with another device. Replace remote control battery.
Remote control not responding.	Remote control battery low; obstruction between remote and light; remote out of range.	Replace remote control battery. Remove obstructions. Operate remote within 32 feet of the light.
Light settings are not saved.	Settings not properly saved (e.g., DIY mode requires pressing DIY button to save each step).	Ensure you press the appropriate save button (e.g., DIY button) after each setting adjustment.
Light is dim or flickering.	Low power supply; light unit malfunction.	Ensure stable power supply. If problem persists, contact customer support.

8. SPECIFICATIONS

Specification	Detail
Model Name	HG016
Wattage	18 watts
Voltage	12 Volts
Product Dimensions	4.25"D x 10.8"W x 0.47"H
Item Weight	1.54 pounds (0.7 Kilograms)
Light Source Type	LED (60 pcs: 4 purple, 24 RGB, 32 white)
Material	Aluminum
Water Resistance Level	IP68 Waterproof
Control Method	Remote Control (IR)
Color Temperature	6000-10000K (from size guide image)
Power Cord Length	4.9ft + 2.3ft (from size guide image)

9. WARRANTY AND SUPPORT

The Hygger Advanced Remote Control Aquarium Light comes with a**One-year warranty** from the date of purchase. For technical support, warranty claims, or any inquiries regarding your product, please contact Hygger customer service. You can find more information and contact details by visiting the official Hygger store on Amazon: [Hygger Amazon Store](#).

