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› HITOP 12-18in Full Spectrum LED Aquarium Light User Manual

## HITOP ED6S-DG-White

# HITOP 12-18in Full Spectrum LED Aquarium Light User Manual

Model: ED6S-DG-White

## 1. INTRODUCTION

Thank you for choosing the HITOP 12-18in Full Spectrum LED Aquarium Light. This product is designed to provide optimal lighting for your aquarium, supporting both fish and aquatic plant growth with its full spectrum output, adjustable brightness, and automated lighting cycles. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure proper use and longevity of your aquarium light.

## 2. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon unpacking.

- Aquarium LED Light (1 unit)
- 6in Mounting Brackets (2 units)
- Controller (integrated on the power cord) (1 unit)

## 3. SAFETY INFORMATION

- Always unplug the light from the power source before performing any maintenance or cleaning.
- This product is splash-resistant (IPX4) but is **not waterproof**. Do not submerge the light in water.
- Ensure your hands are dry when handling the power plug and controller.
- Do not operate the light if the cord or plug is damaged.
- Keep out of reach of children.
- For indoor use only.

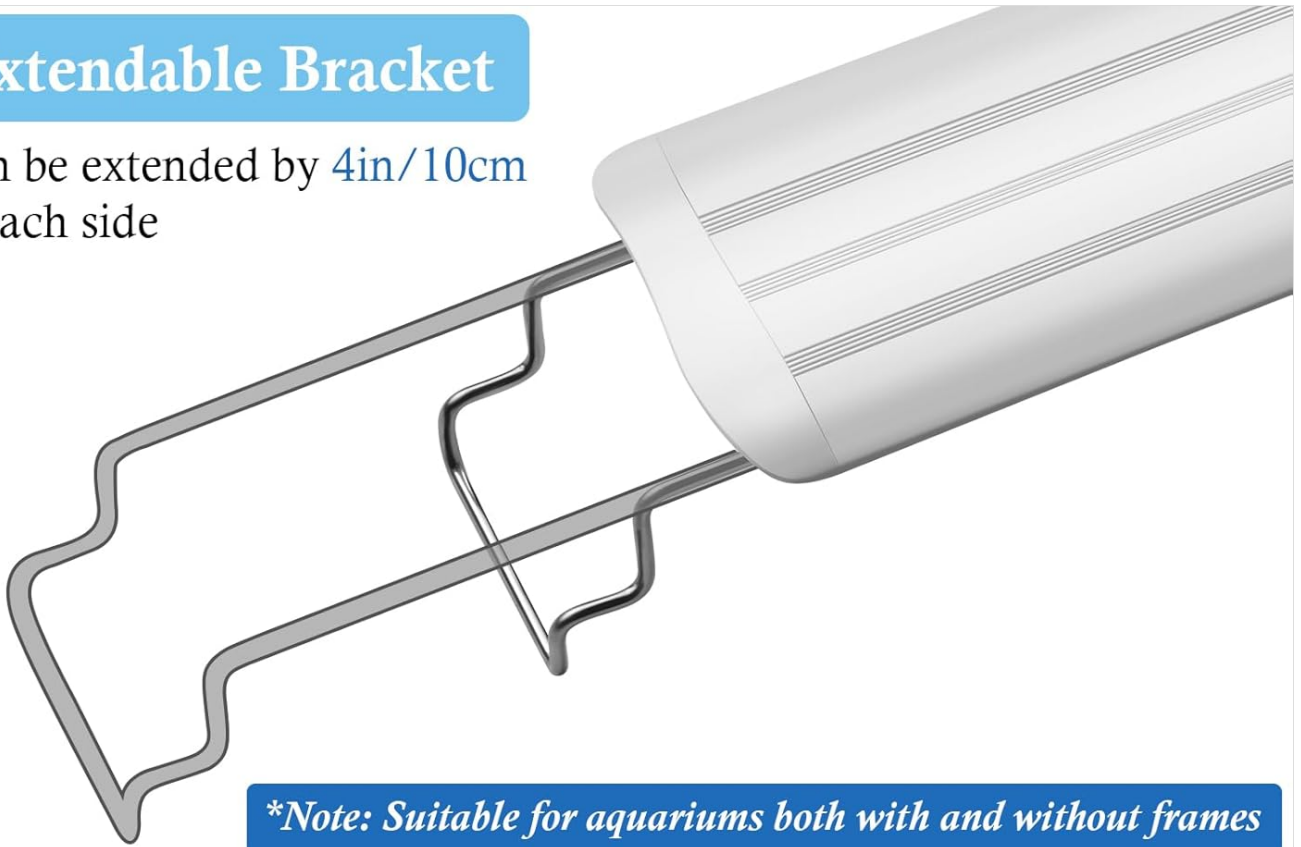
## 4. SETUP INSTRUCTIONS

1. **Attach Mounting Brackets:** Slide the two 6-inch mounting brackets into the slots on each end of the LED light fixture. The brackets are designed to be extendable, allowing for adjustment to fit aquariums between 12 and 18 inches in length. Each bracket can extend approximately 4 inches (10 cm).

2. **Position the Light:** Place the assembled light fixture securely on top of your aquarium. The extendable brackets are suitable for both framed and frameless tanks. Ensure the light is stable and centered over the tank.
3. **Connect Power:** Plug the power adapter into a standard electrical outlet. The controller is integrated into the power cord.

## Extendable Bracket

--can be extended by 4in/10cm on each side



*\*Note: Suitable for aquariums both with and without frames*

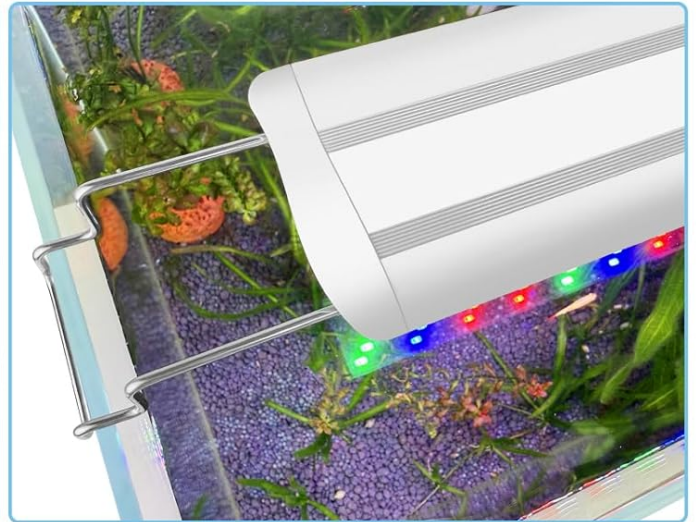


Image: The HITOP aquarium light with its extendable brackets, demonstrating how it sits on the edge of an aquarium. The brackets can be adjusted to fit various tank sizes.



Image: A detailed view of the extendable bracket, highlighting its adjustable design for secure placement on different aquarium types.

## 5. OPERATING INSTRUCTIONS

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The HITOP aquarium light features a multi-function controller on the power cord for easy operation.

### 5.1 Controller Overview

## Timing Function

6H-9H-12H-24H-OFF,  
in a cycle way



## Dimming Function 10-Level Brightness Adjustment

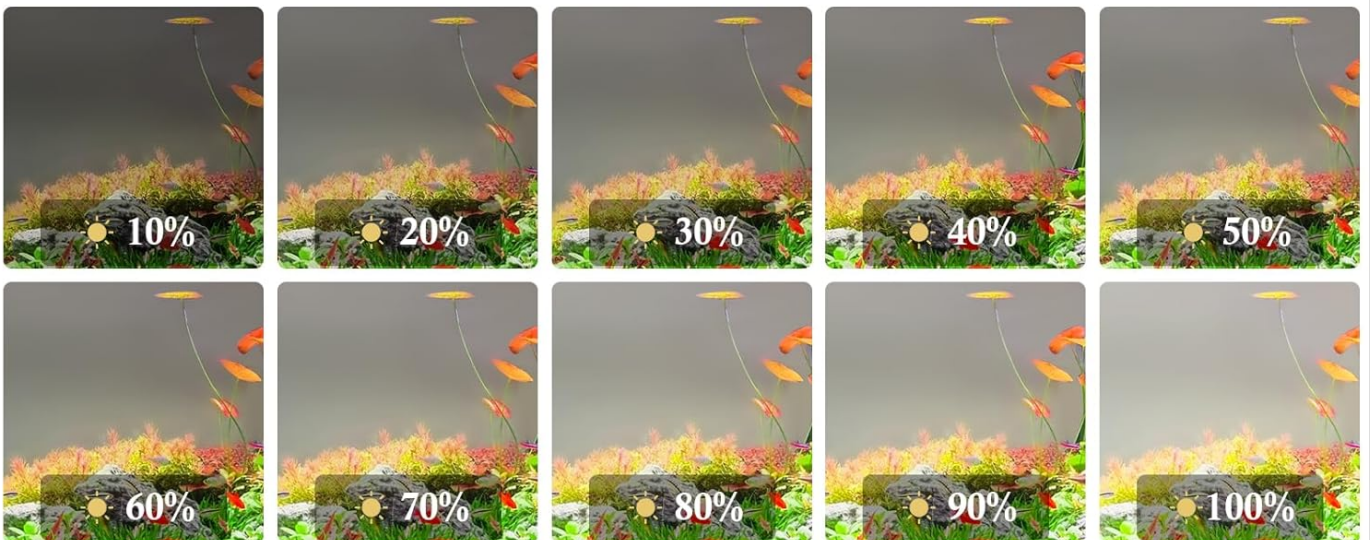


Image: The inline controller showing buttons for Auto mode, timer settings (6H, 9H, 12H, 24H), and brightness adjustment controls.

- **AUTO Button:** Activates the 24/7 automatic lighting cycle.
- **Timer Buttons (6H, 9H, 12H, 24H):** Sets the duration for the light to remain on.
- **Brightness Adjustment Buttons (+/-):** Adjusts the light intensity across 10 levels.
- **Power Button:** Turns the light on or off.

### 5.2 24/7 AUTO Mode

The AUTO Mode simulates a natural 24-hour daylight cycle, gradually changing brightness throughout the day. Once set, the light will automatically cycle daily without further intervention.

1. Press the **AUTO** button on the controller.
2. Select the time setting closest to your current local time (e.g., 8:00, 10:00, 12:00, 16:00, 20:00, 23:00) to synchronize the cycle.
3. The light will then follow the programmed 24-hour cycle, simulating sunrise, daylight, sunset, and nighttime.

## 24/7 AUTO MODE!

-- Simulate **Daylight Changes**, Set AUTO MODE at Any Time.

### Brightness

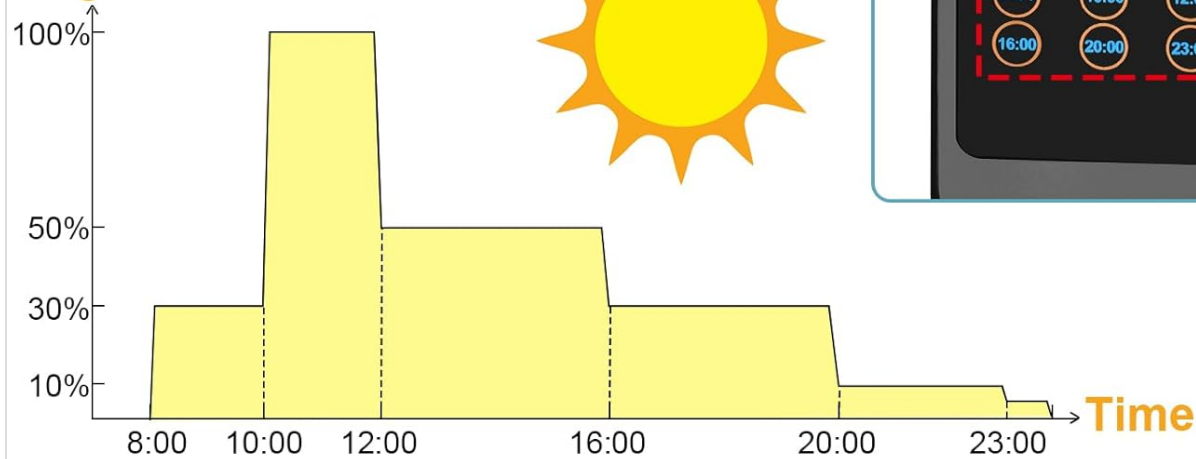


Image: A graphical representation of the 24/7 AUTO mode, showing how light brightness changes throughout a 24-hour period, mimicking natural daylight.

### 5.3 Timer Function

To set a fixed lighting duration, use the timer buttons:

- Press the desired timer button (6H, 9H, 12H, or 24H) to set the lighting duration.
- The light will remain on for the selected period and then turn off. This cycle will repeat daily.

### 5.4 10-Level Brightness Adjustment

Adjust the light intensity to suit your aquarium's needs:

- Use the + button to increase brightness.
- Use the - button to decrease brightness.
- There are 10 distinct brightness levels available.

## Timing Function

6H-9H-12H-24H-OFF,  
in a cycle way



## Dimming Function 10-Level Brightness Adjustment

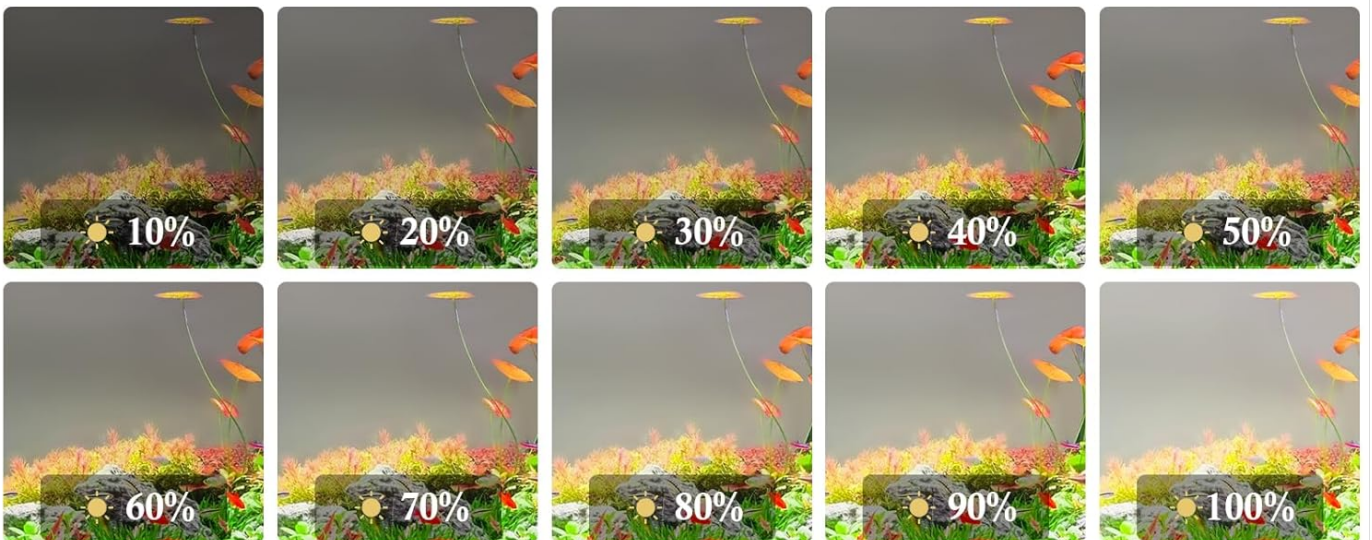


Image: A visual representation of the 10-level brightness adjustment feature, demonstrating the range from dim to full intensity.

### 5.5 Full Spectrum Light for Plant Growth

This LED light provides a full spectrum of light, including blue (440-490nm), green (520-570nm), and red (610-670nm) wavelengths. This spectrum is crucial for the photosynthesis of aquatic plants, promoting healthy growth and vibrant coloration in your aquarium.

# Full Spectrum Light, Promote Plant Growth

High color rendering, true-color, bright lighting.

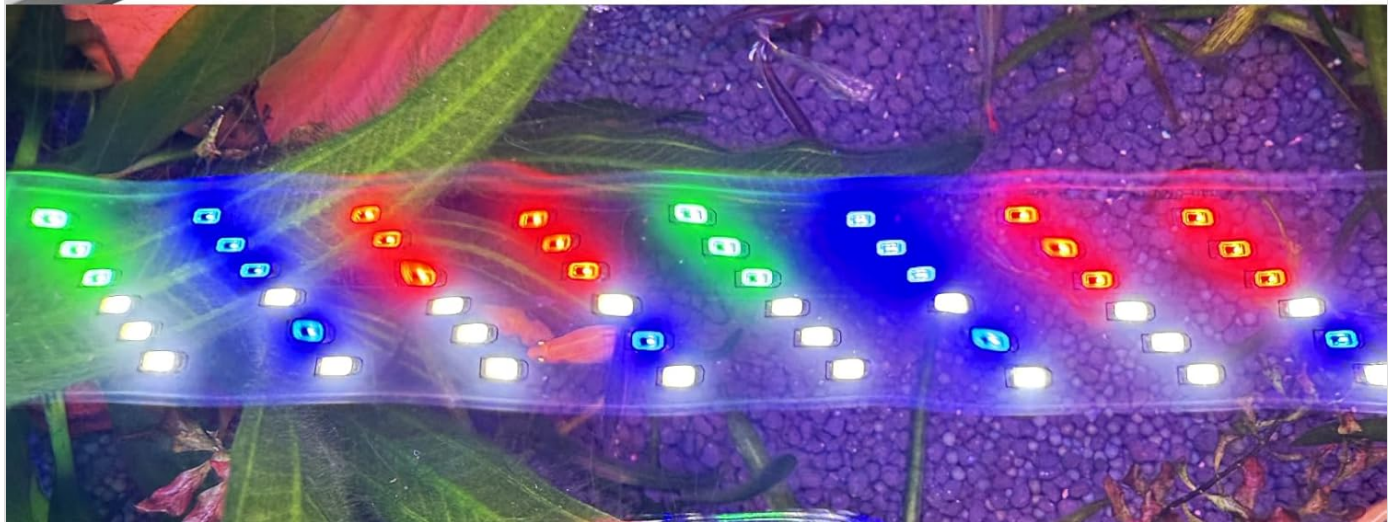
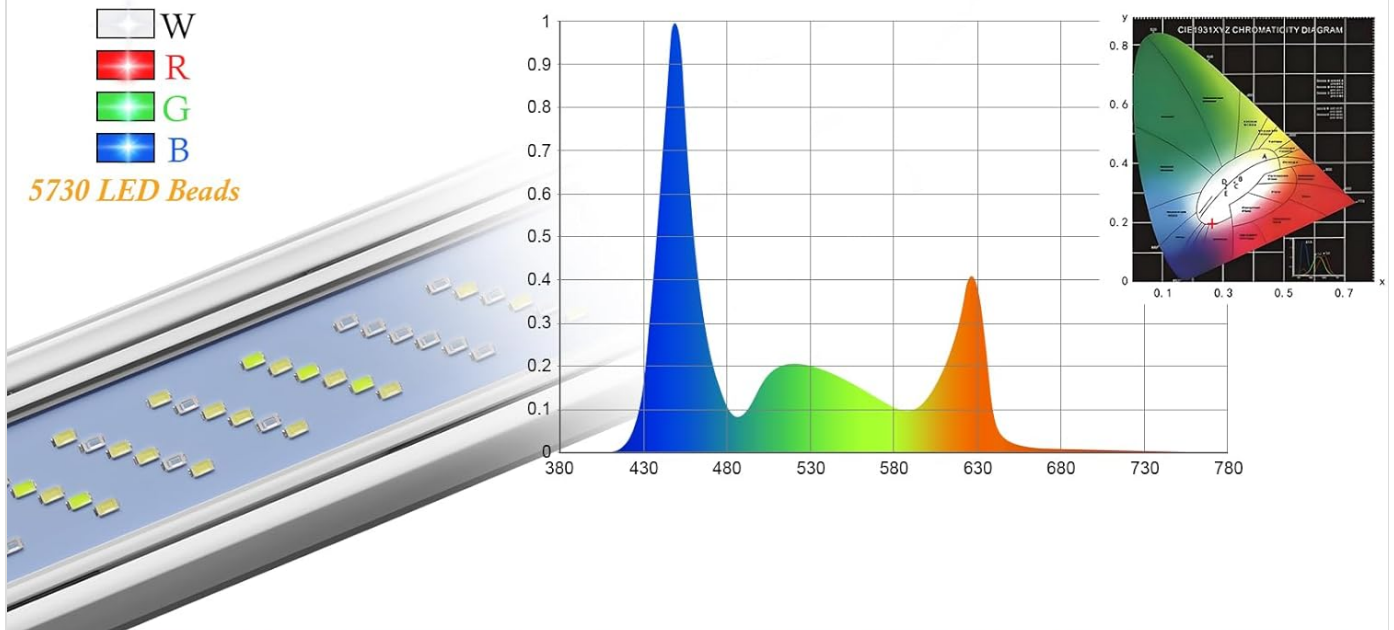


Image: A spectral distribution graph illustrating the full spectrum output of the LED light, with distinct peaks in blue, green, and red wavelengths beneficial for aquatic plant photosynthesis.

## 6. MAINTENANCE

- **Cleaning:** Regularly wipe the light fixture with a soft, dry cloth to remove dust and water spots. Ensure the light is unplugged before cleaning. Do not use abrasive cleaners or immerse the light in water.
- **Inspection:** Periodically check the power cord and controller for any signs of damage. If damage is found, discontinue use and contact customer support.

## 7. TROUBLESHOOTING

- **Light does not turn on:**
  - Ensure the power adapter is securely plugged into a working electrical outlet.
  - Check if the power button on the controller has been pressed.
  - Verify that the power cord is not damaged.

- **Controller not responding:**

- Unplug the light from the power source, wait 30 seconds, and plug it back in to reset the controller.
- Ensure the controller buttons are clean and free from debris.

- **Light cycle is incorrect or inconsistent:**

- If using AUTO mode, ensure you have selected the correct starting time closest to your current time.
- If using a timer, ensure it was set correctly. Power interruptions may require resetting the timer.

## 8. SPECIFICATIONS

### ED6S-300DG 7W for 12-18in tank



Model	ED6S-300DG	ED6S-400DG	ED6S-600DG	ED6S-800DG	ED6S-1000DG
Power	7W	10W	14W	20W	24W
Lumen	650lm	900lm	1300lm	1800lm	2200lm
Color Rendering	82	81.3	81.7	83.9	81.7
Color Temp	8700/8800K				

Image: A table detailing various specifications for different HITOP aquarium light models, including power, lumen, color rendering, and color temperature.

Feature	Detail
Model Name	ED6S-DG-White
Product Dimensions	11"D x 2.9"W x 1.6"H
Item Weight	0.8 Pounds (12.8 ounces)
Wattage	7 watts
Brightness	650 Lumens
Color Temperature	8700 Kelvin
Color Rendering Index (CRI)	95.0
Light Source Type	LED (RGBW 4 colors, 5730 LED Beads)
Material	Plastic
Power Source	Corded Electric
Voltage	120 Volts
Water Resistance Level	Water Resistant (IPX4)
Special Features	7/24 Auto mode, Dimmable (10-level), Full Spectrum, Memory Function, Timer
Compatible Tank Size	12-18 inches

## 9. WARRANTY INFORMATION

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This HITOP aquarium light comes with an **18-month warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or failure to follow the instructions in this manual. Please retain your proof of purchase for warranty claims.

## 10. CUSTOMER SUPPORT

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If you have any questions, concerns, or require assistance with your HITOP aquarium light, please contact our customer support team. Refer to your purchase documentation or the retailer's website for contact details.

