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> Pawfly 16-Inch 8W Pro Aquarium LED Light User Manual

Pawfly CW2582

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Model: CW2582

INTRODUCTION

Thank you for choosing the Pawfly 16-Inch 8W Pro Aquarium LED Light. This manual provides detailed instructions for the proper setup, operation, and maintenance of your new aquarium light. Designed for 17 to 30-inch fish tanks, this light features a full spectrum of multi-colored LEDs, 24/7 natural mode, D/N mode, and adjustable brightness to create an optimal environment for your aquatic life.



Image: The Pawfly 16-Inch 8W Pro Aquarium LED Light, a sleek black LED bar designed for aquariums.

PRODUCT FEATURES

- **High Light Intensity:** Features 6500 K white light, 450-495 nm blue light, 495-570 nm green light, and 620-750 nm red light with a Color Rendering Index (CRI) of 98. This full spectrum light accurately reproduces the natural colors of aquatic objects, reducing visual fatigue and enhancing environmental comfort.
- **24/7 Natural Mode:** Automatically simulates natural light changes from sunrise, daylight, sunset, to moonlight, operating from 6 a.m. to 10 p.m. daily. This mode promotes fish vitality and ensures

a sound sleep cycle.

- **DIY Mode:** Allows customization of starting times using 'hour' and 'minute' buttons. Offers 10 adjustable brightness levels to meet the specific growth needs of your fish and plants.
- **Heavy-duty Design:** The clear light board is strictly sealed with silicone for IPX8 waterproofing, preventing moisture or droplet ingress. A solid aluminum shell accelerates heat dissipation, ensuring safety and continuous lighting with long-lasting bulbs and an ETL-certified adapter.
- **D/N Mode:** Customize daytime (6h, 8h, 10h) and nighttime (2h, 3h, 4h) working hours to simulate natural daylight and moonlight cycles.

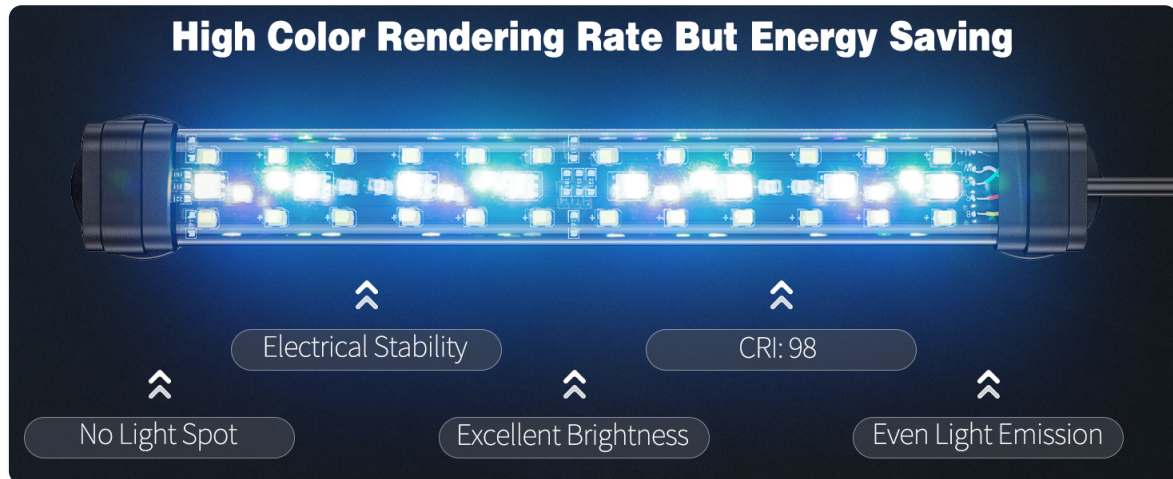


Image: Diagram illustrating the high color rendering rate and energy-saving features of the LED light, highlighting electrical stability, excellent brightness, and even light emission.

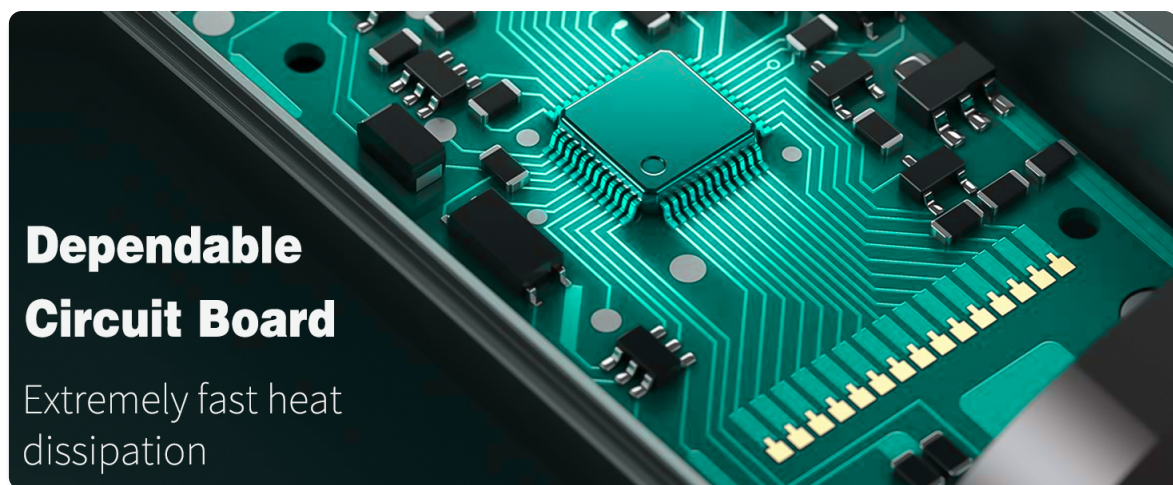


Image: Close-up view of the light bar showing three rows of lamp beads, specifying white (6500 K), red (620-750 nm), blue (450-495 nm), and green (495-570 nm) light wavelengths.

SETUP AND INSTALLATION

Follow these steps to properly install your Pawfly Aquarium LED Light:

1. **Unpack and Inspect:** Carefully remove all components from the packaging and inspect for any damage.
2. **Assemble Suction Cups/Velcro:** Attach the provided suction cups or Velcro strips to the light bar. The light comes with both options for flexible placement.

3. **Position the Light:** Place the light bar inside or on top of your aquarium. Ensure the suction cups are firmly pressed against a clean, smooth surface of the tank glass, or the Velcro is securely attached.
4. **Connect Power:** Connect the light to the controller, and then connect the controller to the ETL-certified power adapter. Plug the adapter into a suitable power outlet.

Submersible Tube Light

Perfect blend of illumination and dazzling lighting shows

16 in
40 cm

CRI:
98

Power:
9 W

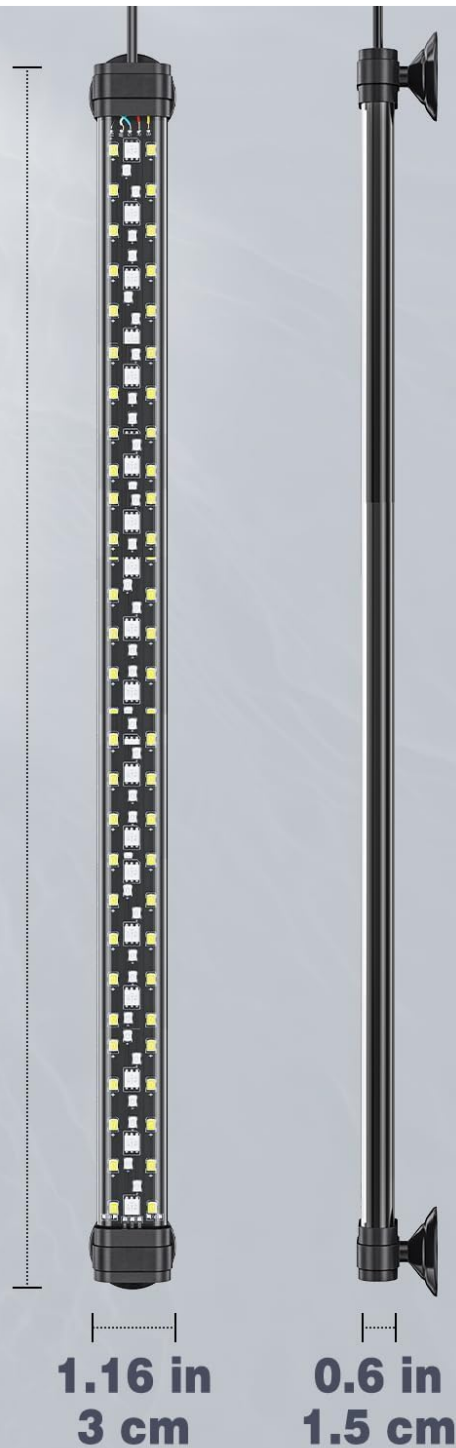
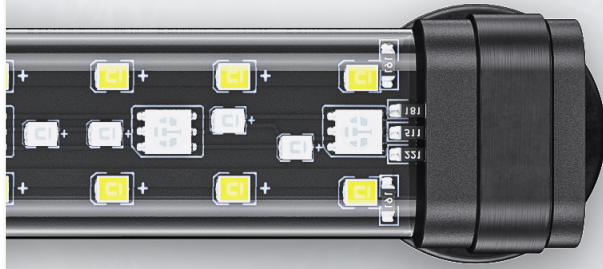


Image: Diagram showing the dimensions of the submersible tube light (16 inches / 40 cm length, 1.16 inches / 3 cm width, 0.6 inches / 1.5 cm height) with a CRI of 98 and power of 9W.



Heavy-duty Clear Board

Firmly embed and uneasy to crack

ETL-certified Adapter

Reliable design & no worry about electric shock
Always ensure safety during continuous lighting



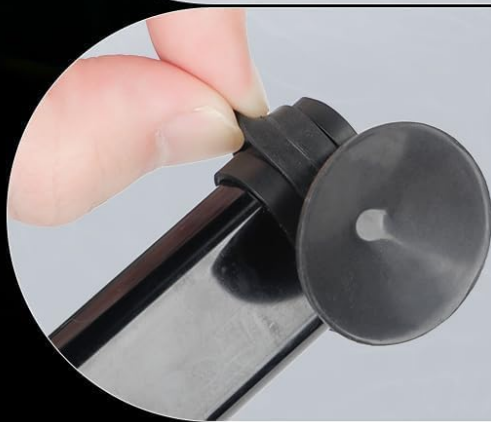
Image: Step-by-step guide for installing the light using Velcro: 1. Separate the two pieces of Velcro. 2. Remove the white adhesive tapes. 3. Stick one piece to the glass and the other to the light. 4. Stick the two pieces together to fix the light.

Easy to Install



Practical Velcro

Handy to fix the light anywhere in the fish tank



Strong Suction Cup

Always stick tightly to the smooth surface of fish tank

Image: Illustration showing the practical Velcro for fixing the light anywhere in the fish tank and strong suction cups for smooth tank surfaces.

OPERATING INSTRUCTIONS

Your Pawfly Aquarium LED Light features an intuitive controller for various lighting modes and settings.

Controller Overview

Easy to Use

A simple press to achieve your desired lighting modes

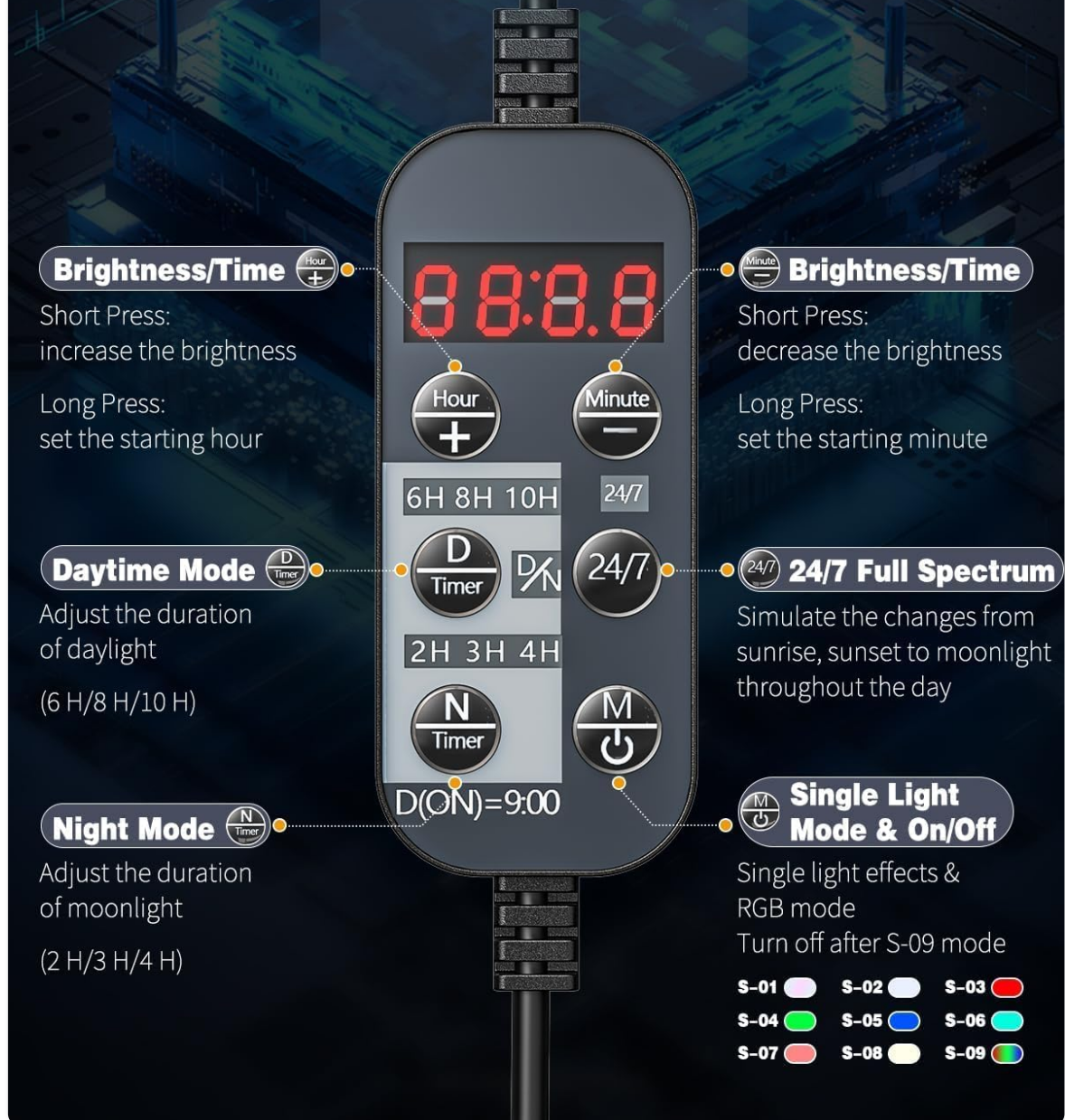


Image: Detailed view of the controller with buttons for Brightness/Time (increase/decrease, set hour/minute), Daytime Mode (6H, 8H, 10H), Night Mode (2H, 3H, 4H), 24/7 Full Spectrum, and Single Light Mode & On/Off (S-01 to S-09, OFF).

Setting the Time and Brightness (DIY Mode)

- **Set Starting Hour:** Long press the 'Hour +' button to set the desired starting hour.
- **Set Starting Minute:** Long press the 'Minute -' button to set the desired starting minute.
- **Adjust Brightness:** Short press the 'Brightness/Time' buttons (Hour + / Minute -) to cycle through 10 adjustable brightness levels (10% to 100%).

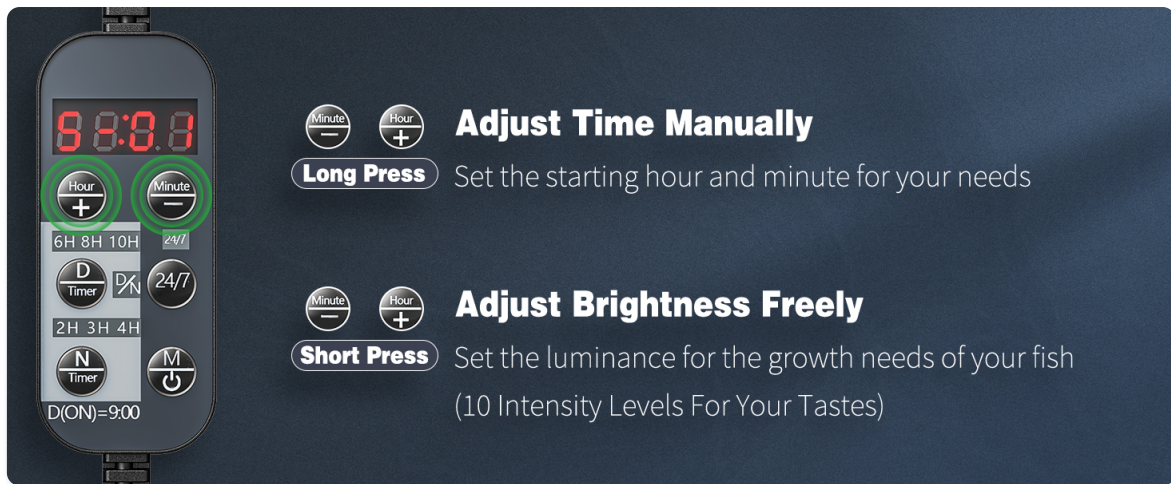


Image: Instructions for adjusting time manually (long press hour/minute buttons) and adjusting brightness freely (short press brightness buttons for 10 intensity levels).

24/7 Natural Mode

This mode automatically simulates a natural day-night cycle.

- **Activate:** Press the '24/7' button. The light will automatically turn on at 6 a.m. and off at 10 p.m.
- **Cycle:** The light intensity and color spectrum will gradually change throughout the day, mimicking sunrise, full daylight, sunset, and moonlight.

24/7 Natural Day-Night Cycle

Enjoy a sunrise-to-moonlight cycle for a thriving aquarium

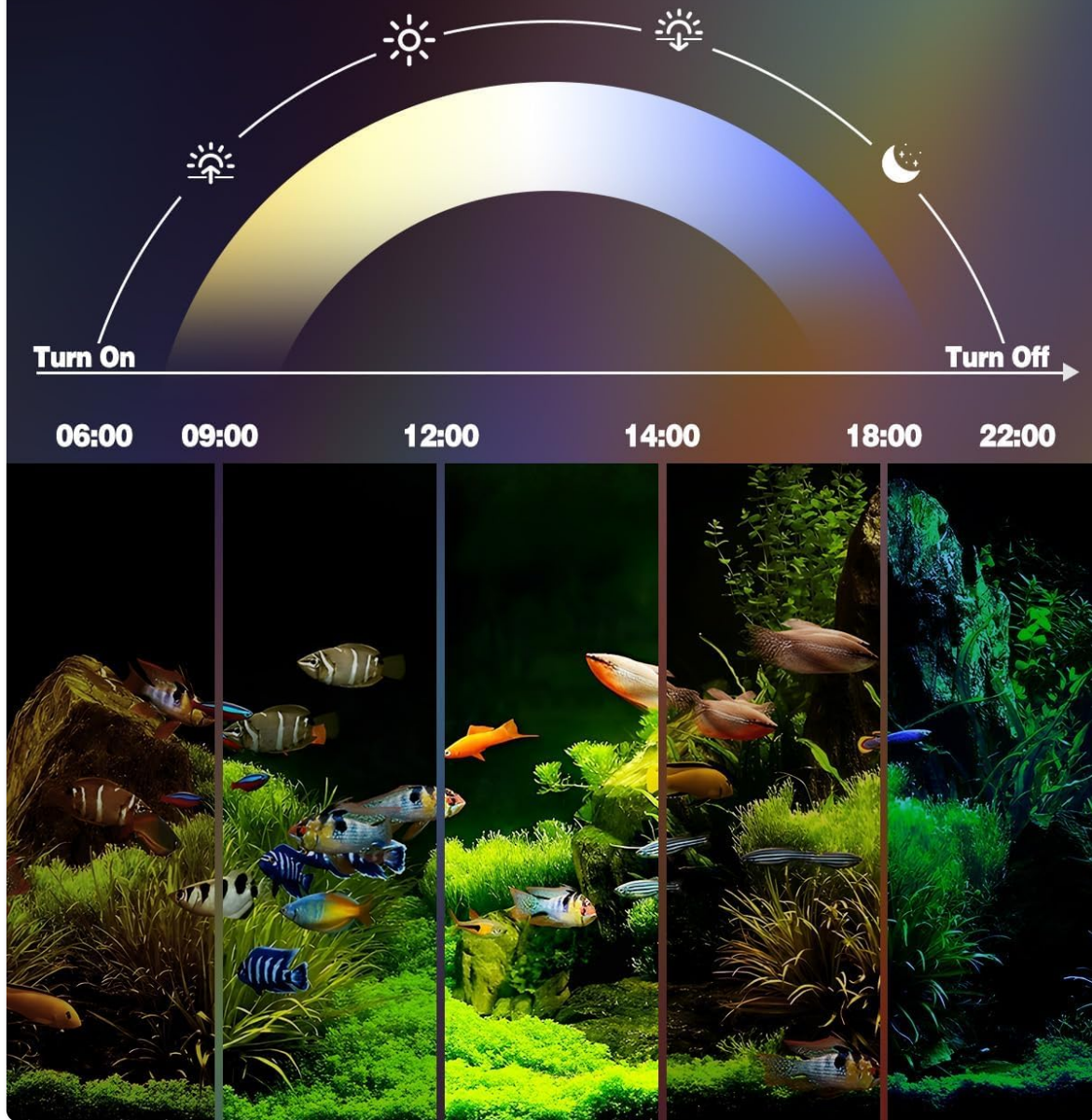


Image: Graphic illustrating the 24/7 natural day-night cycle, showing light intensity and color changes from 06:00 (sunrise) to 22:00 (turn off).

Simulate sunrise, sunset and moonlight throughout the day

88:00

Hour + Minute -

6H 8H 10H 24/7

D Timer 24/7

2H 3H 4H

N Timer M

D(ON)=9:00

Turn On 06:00 08:00 13:00 18:00 22:00 Turn Off

6 a.m. – 6 p.m.: sunlight
Effectively promote photosynthesis
Greatly increase oxygen supplement
Complement lights for colorful fish

6 p.m. – 10 p.m.: moonlight
Simulate natural sunset and moonlight
Soft lighting for fish to sleep soundly

Image: Diagram showing the 24/7 cycle with sunlight from 6 a.m. to 6 p.m. (promoting photosynthesis, increasing oxygen, complementing colors) and moonlight from 6 p.m. to 10 p.m. (simulating natural sunset and soft lighting for fish sleep).

D/N Mode

Customize specific daytime and nighttime durations.

- **Set Daytime Duration:** Press the 'D Timer' button to select 6h, 8h, or 10h for daylight.
- **Set Nighttime Duration:** Press the 'N Timer' button to select 2h, 3h, or 4h for moonlight.



Image: Illustration of the D/N mode, allowing selection of daytime duration (6h, 8h, 10h) and night duration (2h, 3h, 4h) to simulate natural light cycles.

Single Color Effects

Choose from various single-color or RGB cycling modes.

- **Cycle Modes:** Press the 'M' button to cycle through different single-color effects (S-01 to S-09) or turn the light off.



Image: Controller diagram showing various single-color modes (Full Brightness, Cool White, Red, Green, Blue, Cyan, Pink, Warm White) and an RGB cycling mode (S-09).

Official Product Videos

[Pawfly Aquarium LED Light for 18 to 24 Inch Fish Tank](#)

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Video: This video provides a general overview of the Pawfly Aquarium LED Light, demonstrating its features and basic operation, including the controller functions.

How to setting 24/7 Cycle Mode?

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Video: This video demonstrates how to set up the 24/7 cycle mode on a similar aquarium light controller. While from a related brand (Seaoura), the controller interface is functionally identical to the Pawfly model for setting the 24/7 cycle.

MAINTENANCE

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

- **Cleaning:** Due to its IPX8 waterproof rating, the light bar can be safely cleaned with a soft, damp cloth. Ensure the power is disconnected before cleaning. Do not use abrasive cleaners.
- **Cable Inspection:** Regularly check the power cable and adapter for any signs of damage. If any damage is found, discontinue use immediately and contact support.
- **Bulb Longevity:** The LED bulbs are designed for long-term use and do not require replacement.

IP68 Waterproof

Fully submerge it without damage or electric leakage

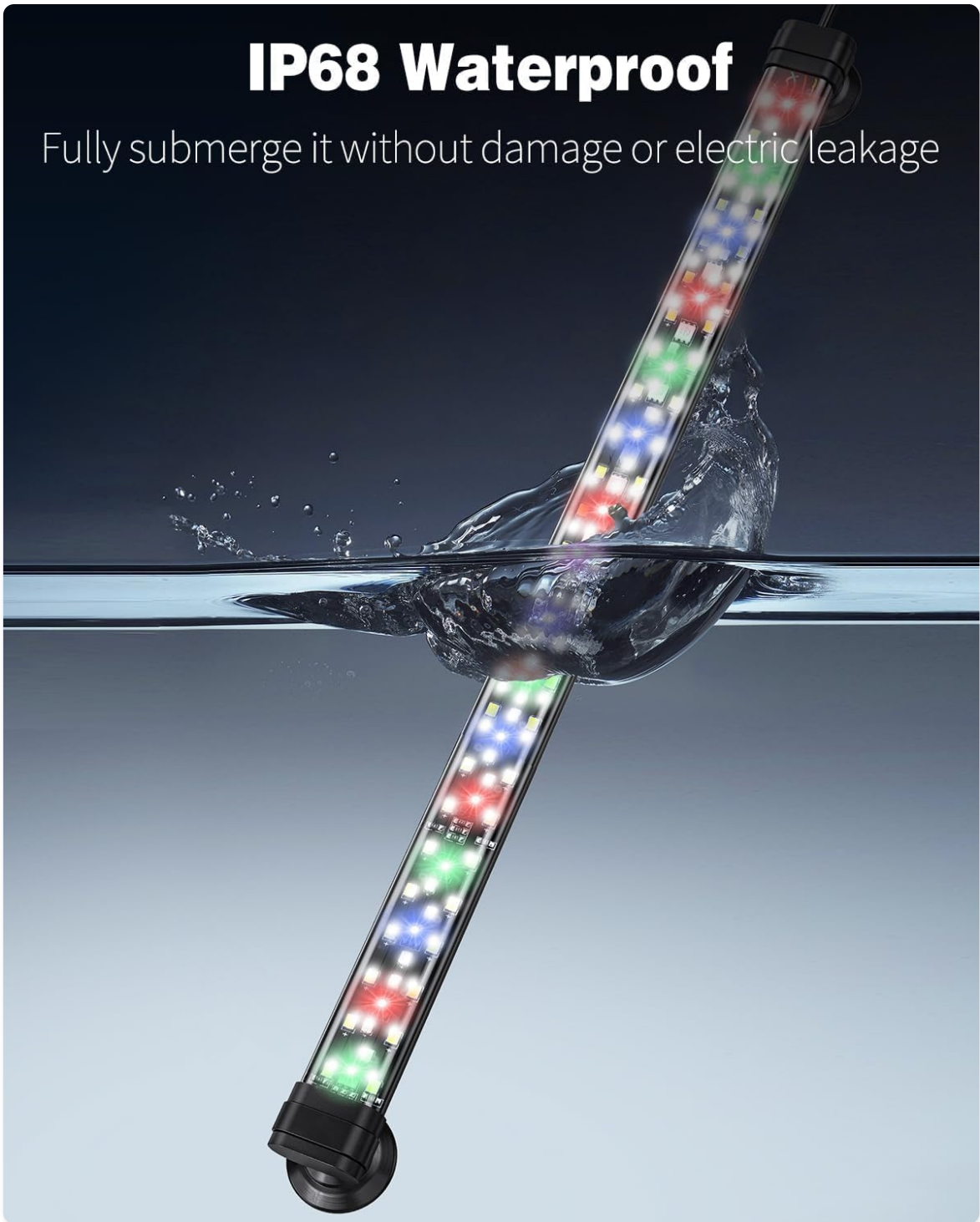


Image: The aquarium light submerged in water, demonstrating its IP68 waterproof capability, ensuring it can be fully submerged without damage or electrical leakage.



Image: Close-up of the light bar in water, emphasizing its IP68 waterproof rating and strict silicone sealing to prevent damage or electrical leakage.

TROUBLESHOOTING

If you encounter any issues with your Pawfly Aquarium LED Light, refer to the following common solutions:

- **Light Not Turning On:**

- Ensure the power adapter is securely plugged into both the wall outlet and the light controller.
- Check if the power outlet is functional by plugging in another device.
- Press the 'On/Off' button on the controller to ensure the light is not simply turned off.

- **Incorrect Timing/Mode:**

- Verify that the current time is correctly set on the controller for 24/7 or DIY modes. Refer to the 'Operating Instructions' section.
- If using 24/7 mode, ensure it is activated and not overridden by another mode.

- **Flickering at Low Settings:**

- Some flickering may occur at very low brightness settings. Try increasing the brightness slightly to see if the issue resolves.
- Ensure the power supply is stable and not experiencing fluctuations.

- **Suction Cups Not Holding:**

- Clean the tank glass surface thoroughly before attaching suction cups.
- Ensure suction cups are free from debris or damage. Replace if necessary.
- Consider using the provided Velcro strips for a more secure attachment if suction cups repeatedly fail.

SPECIFICATIONS

Feature	Detail
Product Dimensions	44 x 4.5 x 7 cm; 250 g
Item Model Number	CW2582
Manufacturer Part Number	PSTL-15.9
Brand	Pawfly
Light Source Type	Light Emitting Diode (LED)

Feature	Detail
Light Source Wattage	8 Watts
Number of Light Sources	4
Material	Aluminum
Color	Black-(pro)
Style	PRO with 24/7
Waterproof Rating	IPX8
Country of Origin	China
Date First Available	Aug. 26 2024

WARRANTY

This Pawfly Aquarium LED Light comes with a **1 Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. For any warranty-related inquiries, refer to the manufacturer's contact information provided with your product or on their official website.

SUPPORT

For further assistance, technical support, or product inquiries, please contact Pawfly customer service. Refer to the contact details provided in your product packaging or visit the official Pawfly store on Amazon.