

Pawfly Pawfly-2510

Pawfly 11W Aquarium LED Light (Model Pawfly-2510)

Instruction Manual

1. SAFETY INSTRUCTIONS

Please read all safety instructions carefully before using the Pawfly 11W Aquarium LED Light. Failure to follow these instructions may result in electric shock, fire, or damage to the product.

- **Electrical Safety:** Ensure the power outlet matches the voltage requirements of the light. Do not operate with a damaged cord or plug. Keep the power adapter and connections dry.
- **Water Exposure:** This light is designed to be placed over an aquarium and is rated IP67 waterproof, meaning it can withstand water splashes and vapor. **However, it is not submersible. Do not immerse the light in water.**
- **Installation:** Install the light securely on the aquarium using the provided brackets. Ensure it is stable and cannot fall into the water.
- **Maintenance:** Always unplug the light from the power source before performing any maintenance, cleaning, or when placing hands in the aquarium water.
- **Children and Pets:** Keep the light and its power cord out of reach of children and pets to prevent accidents.
- **Ventilation:** Ensure adequate ventilation around the light to prevent overheating.

2. PRODUCT OVERVIEW

The Pawfly 11W Aquarium LED Light (Model Pawfly-2510) is an extendable full-spectrum lighting solution designed for 12 to 18 inch fish tanks. It features brilliant white, blue, and red LEDs, offering both daytime and night modes with adjustable brightness and an integrated timer function.



Image: The Pawfly 11W Aquarium LED Light with its inline controller, showcasing the white, blue, and red LEDs.

Key Features:

- **Full Spectrum Lighting:** Contains 6500K white, 450nm blue, and 660nm red lights for optimal aquatic environment.
- **Two Lighting Modes:** Easily switch between Daytime and Night modes.
- **Six Intensity Levels:** Adjustable brightness for both white/red and blue lights.
- **Integrated Timer:** Auto On/Off functionality with 8h, 10h, and 12h duration options.
- **Extendable Brackets:** Fits aquariums from 12 to 18 inches in length.
- **Durable Construction:** Solid aluminum shell for efficient heat dissipation and IP67 waterproof rating.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Pawfly 11W Aquarium LED Light with integrated controller
- Extendable Metal Brackets (pre-attached or separate)

- Power Adapter
- Instruction Manual (this document)

4. SETUP

Follow these steps to install your Pawfly Aquarium LED Light:

1. **Unpack the Light:** Carefully remove all components from the packaging.
2. **Attach Brackets (if separate):** If the metal brackets are not pre-attached, slide them into the slots on each end of the light fixture until they are secure.
3. **Adjust Brackets:** Extend the brackets to match the length of your aquarium. The light is designed for tanks between 12 and 18 inches (30 to 45 cm). Ensure the light fixture is centered over the tank.



Image: Illustration of the extendable brackets, showing the light fixture's minimum length of 11.5 inches (30 cm) and maximum extended length of 20 inches (51 cm).

4. **Position the Light:** Place the light fixture with its extended brackets securely on the edges of your aquarium. Ensure it is stable and level.

Sturdy Metal Bracket

Stably support the lighting panel without bending



Telescopic



Detachable



Heavy-duty

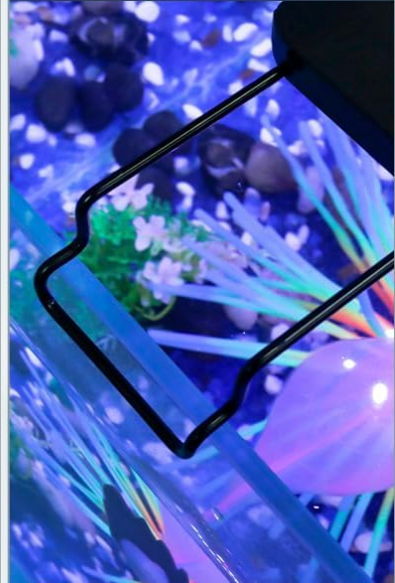


Image: The Pawfly light securely mounted on an aquarium using its sturdy metal brackets.

5. **Connect Power:** Plug the power adapter into the light's power input, then plug the adapter into a suitable electrical outlet. Ensure your hands are dry during this step.

5. OPERATING INSTRUCTIONS

The Pawfly Aquarium LED Light features an inline controller with several buttons for operation.

Auto On/Off

Customize the most suitable lighting time for your fish



Only work within the first 8 h of a 24-hour period



Only work within the first 10 h of a 24-hour period



Only work within the first 12 h of a 24-hour period

Image: The inline controller for the Pawfly Aquarium LED Light, showing buttons labeled D, N, Timer, and Power/Mode (M).

Controller Buttons:

- **M Button (Power/Mode):** Short press to switch between Daytime and Night modes. Hold for 3 seconds to turn the light completely off.
- **D Button (Daytime Brightness):** In Daytime Mode, press to adjust the brightness of the white and red lights.
- **N Button (Night/Blue Brightness):** In Daytime Mode, press to adjust the brightness of the blue light. In Night Mode, press to adjust the overall luminance of the blue light.
- **Timer Button:** Press to cycle through timer options (8h, 10h, 12h).

5.1. Power On/Off

- To turn the light **ON**: Plug in the power adapter. The light will typically turn on to its last-used setting.
- To turn the light **OFF**: Hold the **M button** for 3 seconds.
- To turn the light **ON** again from the off state: Short press the **M button**.

5.2. Switching Lighting Modes

The light offers two primary modes: Daytime Mode (full spectrum) and Night Mode (blue light only).

- Short press the **M button** repeatedly to toggle between Daytime Mode and Night Mode.

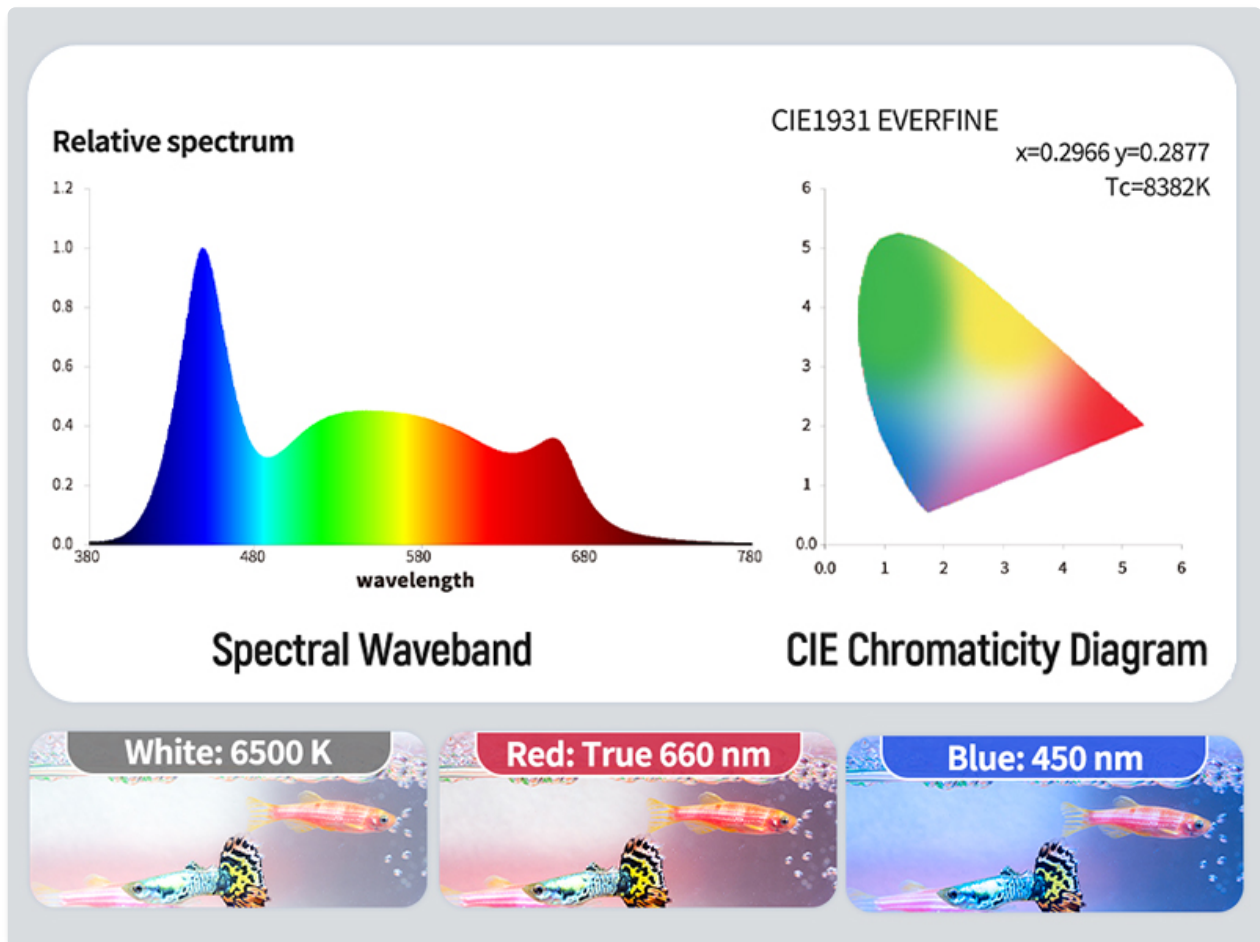


Image: An aquarium displaying the bright, full-spectrum illumination of Daytime Mode on the left, and the calming blue light of Night Mode on the right.

5.3. Adjusting Brightness (6 Intensity Levels)

Brightness can be adjusted independently for different light components.

- **In Daytime Mode:**
 - Press the **D button** to adjust the brightness of the white and red lights.
 - Press the **N button** to adjust the brightness of the blue light.
- **In Night Mode:**
 - Press the **N button** to adjust the luminance of the blue light only.

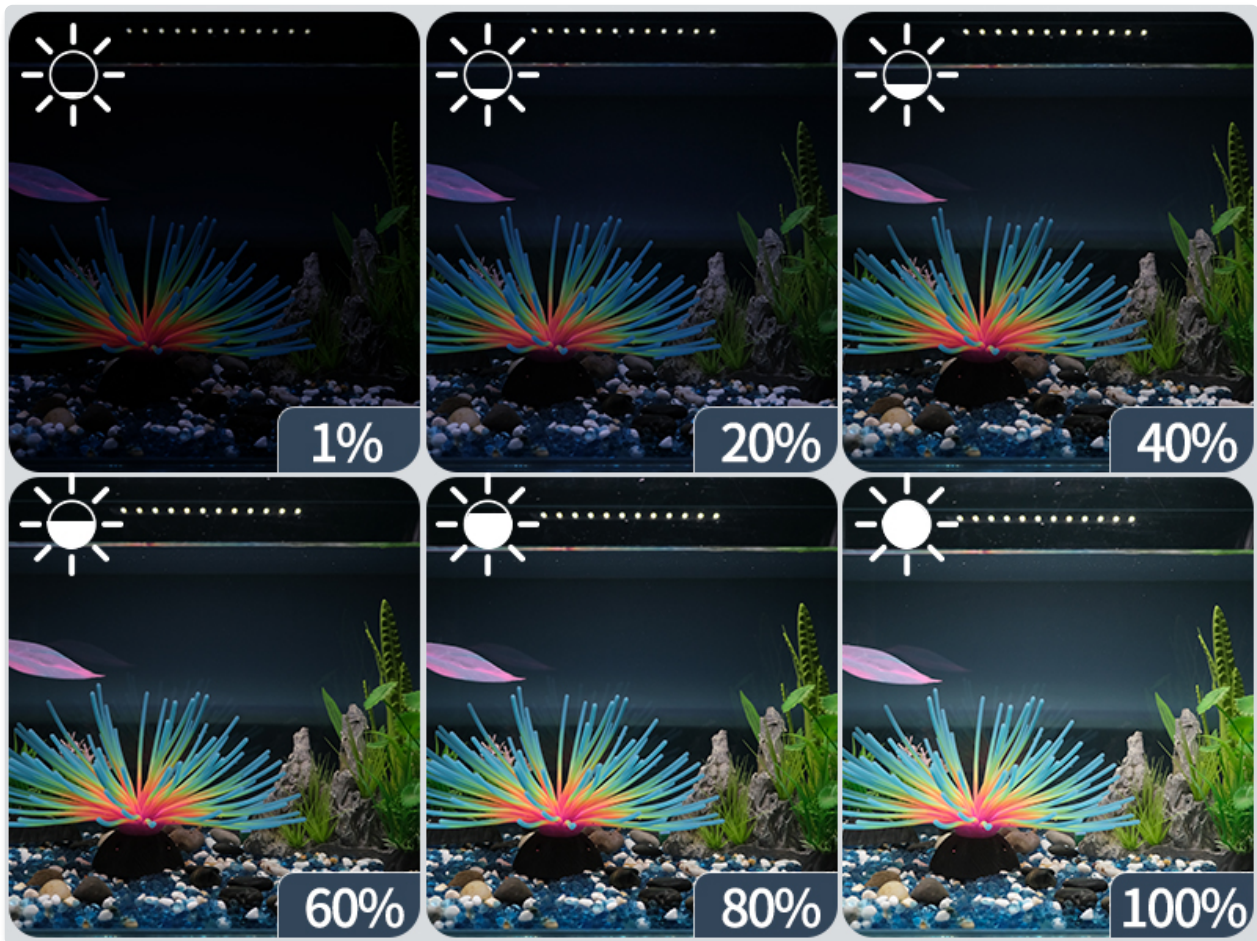


Image: Six panels illustrating different light intensity levels from 1% to 100% in an aquarium setting.

5.4. Timer Function (Auto On/Off)

The built-in timer allows for automated lighting cycles.

- Press the **Timer button** to cycle through the available durations: 8 hours (8H), 10 hours (10H), and 12 hours (12H).
- Once a duration is selected, the light will operate for that period and then turn off. It will automatically turn on again at the same time the next day, repeating the cycle.
- The timer function operates within the first 8, 10, or 12 hours of a 24-hour period from when the timer was set.



Image: Visual explanation of the 8-hour, 10-hour, and 12-hour timer settings, indicating that the light operates for the selected duration within a 24-hour cycle.

5.5. Memory Function

The light features a memory function. If the power is interrupted and then restored, the light will resume its last-used mode and brightness settings, including the timer cycle if it was active.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LED light.

- **Cleaning:** Periodically wipe the light fixture and LEDs with a soft, damp cloth to remove dust, water spots, or algae buildup. Ensure the light is unplugged and dry before reconnecting power. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the power cord and plug for any signs of damage. If damage is found, discontinue use and contact support.
- **Heat Dissipation:** Ensure the aluminum shell is free from obstructions to allow for proper heat dissipation.

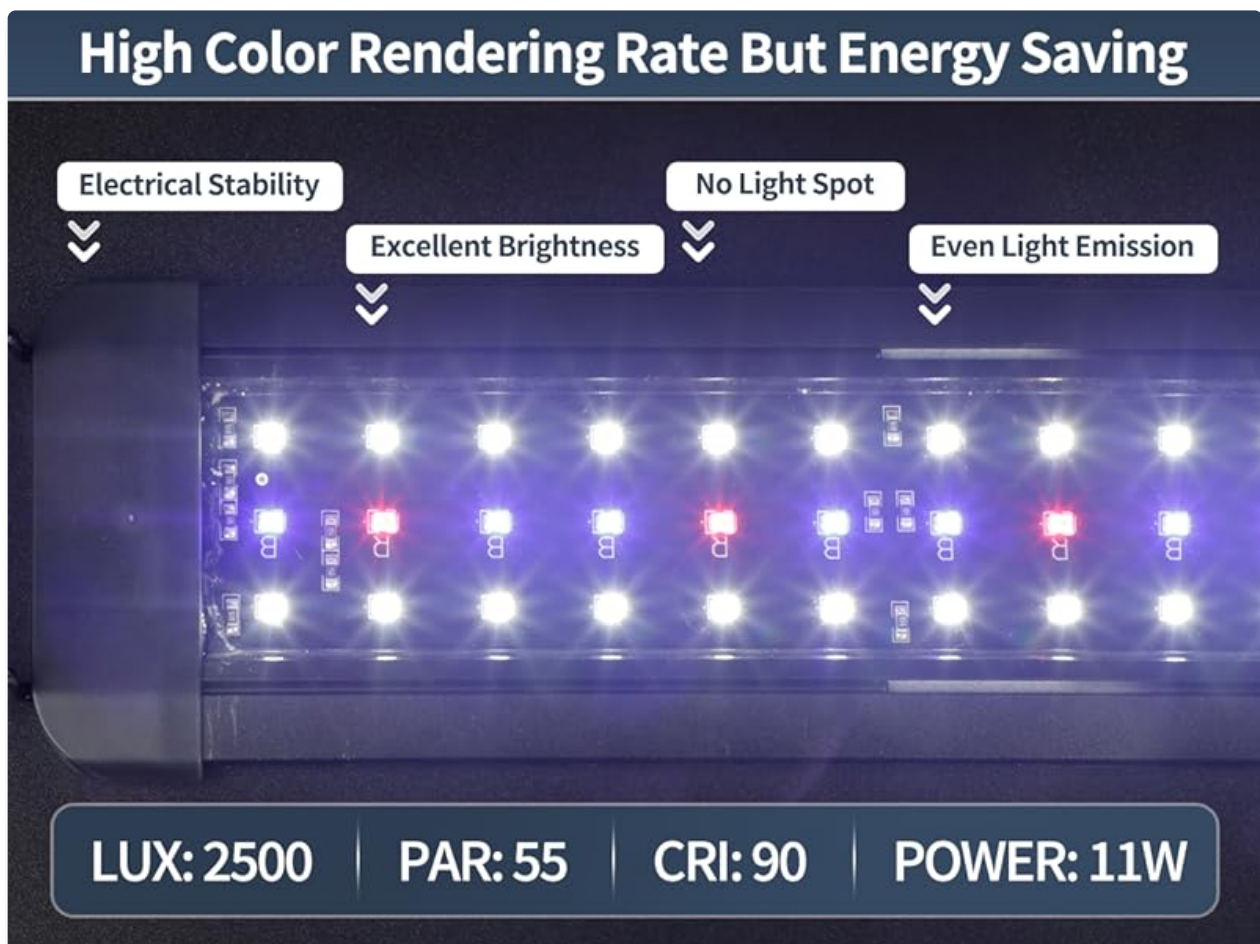


Image: Visuals highlighting the IP67 waterproof rating of the light and the heat dissipation capability of its solid aluminum shell.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, light turned off via controller.	Check power outlet. Ensure all connections are secure. Short press the M button to turn on.
Light flickers or is dim.	Low brightness setting, power issue, moisture inside unit.	Adjust brightness using D/N buttons. Check power connection. If moisture is suspected, discontinue use and contact support.
Timer function not working correctly.	Timer not set, power interruption.	Ensure timer is set by pressing the Timer button. If power was interrupted, the timer cycle might need to be reset.
Brackets do not fit tank.	Tank size outside specified range.	Ensure your tank is between 12 and 18 inches. The brackets are extendable within this range.

If the problem persists after attempting these solutions, please contact Pawfly customer support.

8. SPECIFICATIONS

Detailed technical specifications for the Pawfly 11W Aquarium LED Light (Model Pawfly-2510):

Feature	Specification
Model Number	Pawfly-2510
Power Source	Corded Electric
Light Source Type	LED
Wattage	11 Watts
Color Temperature (White)	6500 K
Blue Light Wavelength	450 nm
Red Light Wavelength	660 nm
LUX	2500
PAR	55
CRI	90
Material	Aluminum
Finish Type	Natural
Mounting Type	Bracket Mount
Product Dimensions	11.61 x 3.15 x 2.76 inches (29.5 x 8 x 7 cm)

Feature	Specification
Item Weight	13.6 ounces (385 grams)
Tank Compatibility	12 to 18 inches (30 to 45 cm) long
Special Features	Full Spectrum, Timer, Adjustable Brightness
Waterproof Rating	IP67 (Splash-proof, not submersible)

9. WARRANTY AND SUPPORT

For warranty information, please refer to the product packaging or the official Pawfly website. General warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

Customer Support:

If you have any questions, require technical assistance, or need to report an issue, please contact Pawfly customer support through the retailer where you purchased the product or visit the official Pawfly brand store:

[Visit the Pawfly Store on Amazon](#)