

[Manuals.plus](#) /

> [fishkeeper](#) /

> fishkeeper LED Aquarium Light FK099-1 User Manual

fishkeeper FK099-1

fishkeeper LED Aquarium Light FK099-1 User Manual

Model: FK099-1 | Brand: fishkeeper

INTRODUCTION

Thank you for choosing the fishkeeper LED Aquarium Light FK099-1. This light is designed to provide optimal lighting for your freshwater aquarium, simulating natural lighting cycles to support plant growth and fish health. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of your product.

IMPORTANT SAFETY WARNINGS

- **Not Submersible:** This aquarium light has a water-resistant aluminum housing but is **not submersible**. Do not immerse the light fixture in water.
- **Protective Film:** A thin protective film is applied to the light board to prevent scratches during transportation. **Please remove this film before use** to ensure optimal lighting effect. Failure to do so will result in dimmer illumination.
- **Power Source:** Use only with the provided universal power adapter (AC 100-240V). Ensure the power outlet matches the specified voltage.
- **Installation:** Ensure the clip-on bracket is securely fastened to the aquarium glass.
- **Maintenance:** Always unplug the light from the power source before performing any maintenance or cleaning.
- **Certification:** This product is Safety-certified (CE).

WHAT'S IN THE BOX

The package includes the following components:

- fishkeeper LED Aquarium Light (FK099-1)
- Universal Power Adapter (AC 100-240V)
- Clip-on Bracket

PRODUCT SPECIFICATIONS

Feature	Detail
Model Name	FK099-1
Wattage	6 watts
Recommended Tank Size	1-5 Gallons (7" to 18" tanks)
Light Source Type	LED (5730 LEDs)
Light Color	White, Blue, Full Spectrum (RGBW)
Brightness Levels	10 levels
Timer Durations	4H, 8H, 12H
Special Features	24/7 Natural Lighting Cycle, Auto On/Off, Adjustable Bracket, Memory Function
Mounting Type	Clip On (for tanks less than 0.98 inches thick)
Material	Aluminum, Plastic
Power Source	Corded Electric (AC 100-240V)
Item Weight	9.9 ounces



Figure 1: Detailed product specifications for various fishkeeper LED Aquarium Light models, including the FK099-1 (6W).

SETUP INSTRUCTIONS

- 1. Unpack:** Carefully remove all components from the packaging.
- 2. Remove Protective Film:** Locate and gently peel off the thin protective film from the LED light board. This film is for transport protection and must be removed for proper light output.
- 3. Attach to Aquarium:**
 - o Position the clip-on bracket onto the edge of your aquarium. Ensure your tank's glass thickness is less than 0.98 inches (2.5 cm) for a secure fit.
 - o Tighten the screw on the bracket until the light is firmly attached to the tank. Do not overtighten.

24/7 DEFAULT MODE

Simulate natural lighting

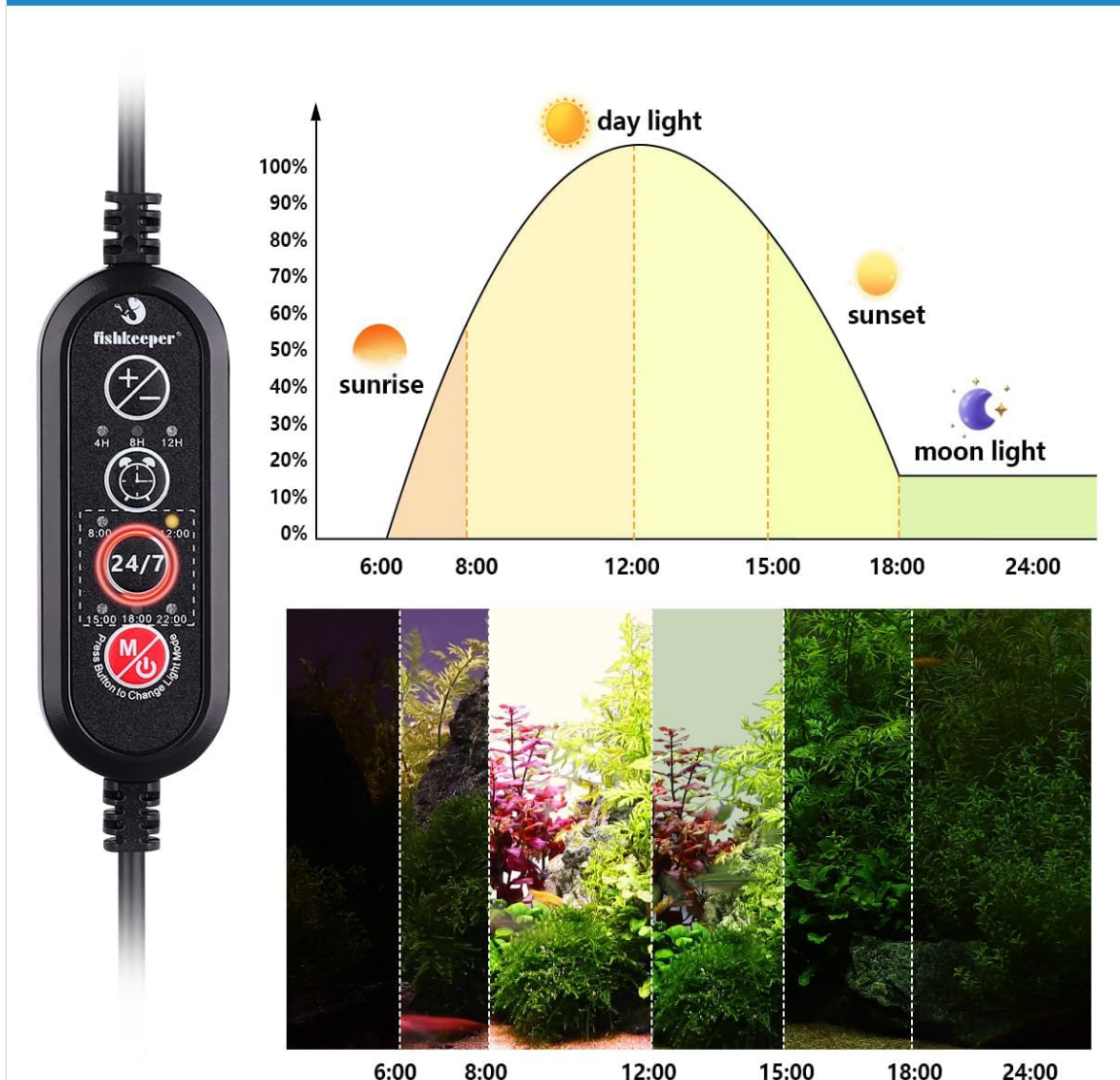


Figure 2: Securely attaching the clip-on bracket to the aquarium rim.

Product Specifications



MODEL	FK099-6W	FK099-9W	FK099-14W
INPUT VOLTAGE	AC100-240V	AC100-240V	AC100-240V
OUTPUT VOLTAGE	DC5V2A	DC5V2A	DC5V3A
POWER	6W	9W	14W
LED QUANTITY	18PCS	27PCS	36PCS
APPLICATION	5Gal(19L)	5-20Gal (19-75L)	20-40Gal (75-150L)

Figure 3: The clip-on bracket is designed for tank glass up to 0.98 inches thick.

- Adjust Light Position:** The light features an adjustable bracket allowing 180° vertical and 360° horizontal rotation. Adjust the light to your desired angle and height over the aquarium.
- Connect Power:** Connect the power adapter to the light and then plug it into a suitable electrical outlet.

Your browser does not support the video tag.

Video 1: Demonstrates the installation of the fishkeeper LED Aquarium Light, including attaching the clip and adjusting the bracket.

OPERATING INSTRUCTIONS

The fishkeeper LED Aquarium Light offers various modes and settings controlled via the inline controller.

Controller Functions:



- 24/7 Lighting cycle
- 3 Timer & 10 Brightness Level
- Adjustable Bracket
- Full Spectrum + Cycle

Figure 4: The inline controller for adjusting light settings.

- **Power Button (M):** Press to cycle through different light modes (White, Blue, Full Spectrum, Off). Long press to enter 24/7 mode.
- **Brightness Buttons (+/-):** Adjusts brightness in 10 levels (10% to 100%). Not adjustable in 24/7 mode.
- **Timer Button (Clock Icon):** Sets the timer duration for 4H, 8H, or 12H.
- **24/7 Button:** Activates the 24/7 natural lighting cycle.

1. 24/7 Natural Lighting Cycle Mode

This mode simulates a natural 24-hour cycle of sunrise, daylight, sunset, and moonlight. It automatically adjusts color and brightness throughout the day to promote plant growth and fish health. The cycle runs daily from 6:00 AM to 12:00 AM (midnight) with no further setup required after initial time synchronization.

- **Activation:** Press the "24/7" button on the controller.
- **Schedule:**
 - 6:00 AM - 8:00 AM: Sunrise (gradual increase in light)
 - 8:00 AM - 3:00 PM: Day Light (full brightness)
 - 3:00 PM - 6:00 PM: Sunset (gradual decrease in light)
 - 6:00 PM - 12:00 AM: Moonlight (blue light)
 - 12:00 AM - 6:00 AM: Off
- **Note:** Brightness is not adjustable in 24/7 mode.

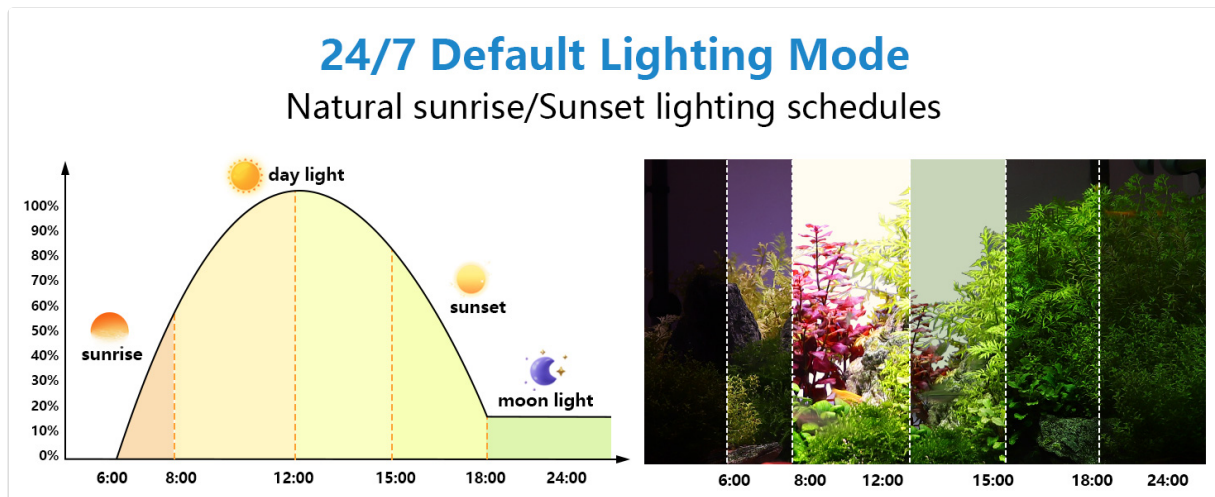


Figure 5: The 24/7 default lighting mode simulates natural light changes.

2. Adjustable Timer & Brightness (DIY Mode)

In DIY mode, you can manually select light color, brightness, and set a timer duration.

- **Color Modes:** Press the 'M' (Mode) button to cycle through:
 - **White Mode:** White/Green LEDs active.
 - **Blue Mode:** Blue/Red LEDs active.
 - **Full Spectrum Mode:** All RGBW LEDs active.

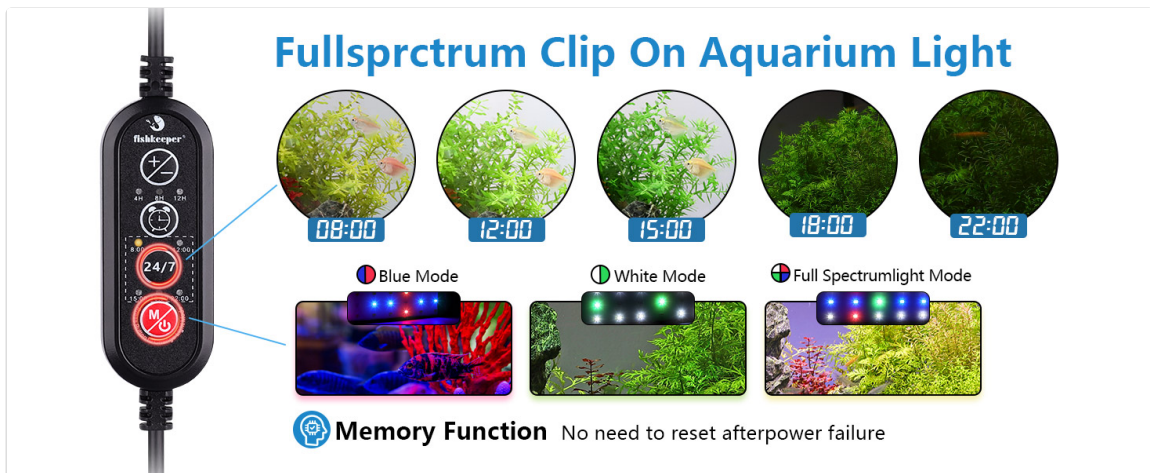


Figure 6: Available color modes for your aquarium.

- **Brightness Adjustment:** Use the '+' and '-' buttons to select from 10 brightness levels (10% to 100%) for the chosen color mode.

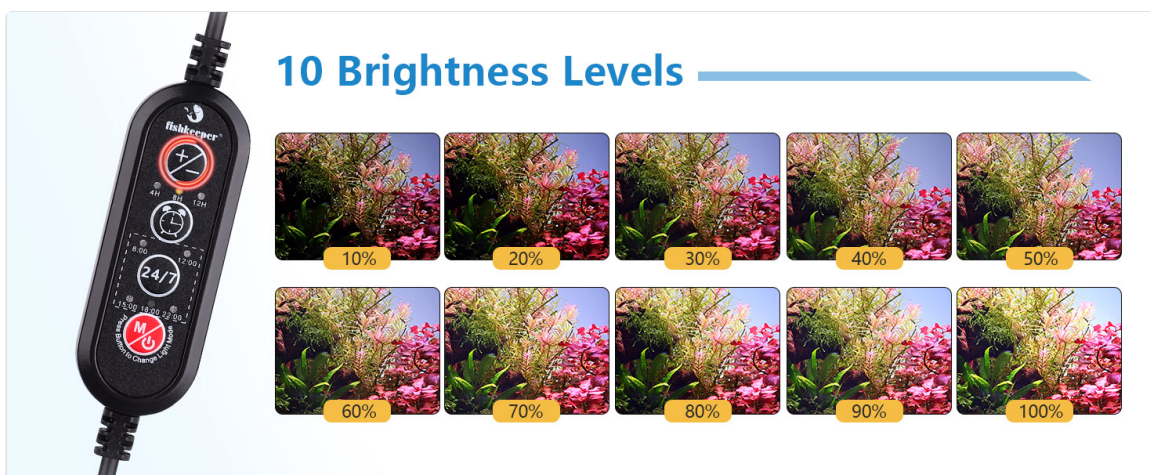


Figure 7: Adjusting brightness levels from 10% to 100%.

- **Timer Setting:** Press the 'Timer' button to select a duration of 4 hours, 8 hours, or 12 hours. The light will automatically turn off after the selected duration.

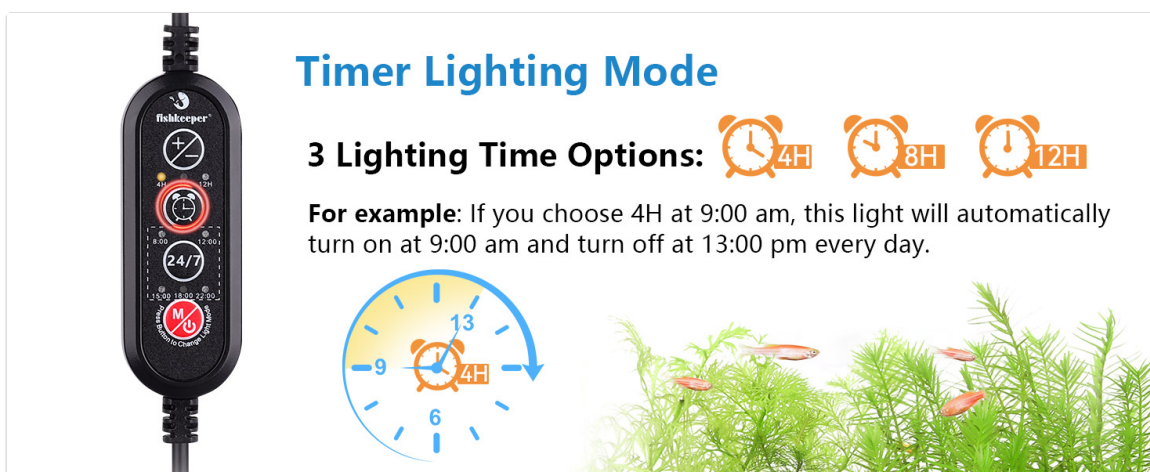


Figure 8: Setting the timer for 4, 8, or 12 hours.

- **Memory Function:** The light retains your last selected settings (color mode, brightness, and timer) even after a power interruption. No need to reset after power failure.

Your browser does not support the video tag.

Video 2: Demonstrates the various lighting modes, brightness levels, and timer functions of the fishkeeper LED Aquarium Light.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your aquarium light.

- **Cleaning:** Always unplug the light before cleaning. Wipe the light housing and LED surface with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no water enters the electrical components.
- **Inspection:** Periodically check the power cord and connections for any signs of damage. If any damage is found, discontinue use and contact customer support.
- **Heat Dissipation:** The aluminum alloy design provides fast heat dissipation. Ensure the light is not covered or obstructed to allow proper airflow.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty outlet.	Check power plug and connections. Test the outlet with another device. Ensure the power adapter is correctly connected.
Light is dim or uneven.	Protective film not removed, brightness set too low, dirty LED surface.	Ensure the protective film has been removed from the LED board. Increase brightness using the '+' button. Clean the LED surface.
Timer function not working correctly.	Incorrect timer setting, power interruption.	Re-set the timer duration. If in 24/7 mode, ensure the initial time sync is correct. The memory function should restore settings after power interruption.
Light flickers.	Unstable power supply, loose connection.	Check power connections. Try plugging into a different outlet.

WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact fishkeeper customer service directly. Keep your purchase receipt for warranty claims.