

FEDOUR ED6-400

FEDOUR Full Spectrum LED Aquarium Light

MODEL: ED6-400 (40-60cm, 15W)

User Manual

1. INTRODUCTION

Thank you for choosing the FEDOUR Full Spectrum LED Aquarium Light. This light is designed to provide optimal illumination for freshwater aquariums and promote healthy growth of aquatic plants. Featuring a full spectrum LED array, an integrated timer, and adjustable brackets, this product offers convenience and efficiency for your aquatic environment. Please read this manual thoroughly before installation and operation to ensure proper use and longevity of your device.

2. SAFETY INSTRUCTIONS

- **WARNING: This LED light is NOT waterproof.** Do not immerse the light unit or power adapter in water. Avoid splashing water directly onto the unit.
- Ensure your hands are dry before handling the power plug or switch.
- Always unplug the light from the power outlet before performing any maintenance, cleaning, or when placing/removing items from the aquarium.
- Do not operate the light if any part is damaged, especially the power cord or plug. Contact customer support for assistance.
- Keep out of reach of children and pets.
- Ensure the voltage of your power supply matches the requirements of the light (240V).
- Do not cover the light with any materials that could obstruct ventilation, as this may lead to overheating.
- This product is intended for indoor use only, specifically for aquariums.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x FEDOUR Full Spectrum LED Aquarium Light Unit (Model ED6-400)
- 1 x Power Adapter with Integrated Timer and On/Off Switch
- 2 x Extendable Mounting Brackets

4. PRODUCT FEATURES

- **Full Spectrum Lighting:** Equipped with 45 LED beads (30 white, 6 red, 3 green, 6 blue) to support plant photosynthesis and enhance fish coloration.
- **Integrated Timer:** Easy-to-set timer with options for 6, 9, 12, or 24 hours of continuous lighting.
- **Convenient On/Off Switch:** Additional switch for manual control without unplugging.
- **Extendable Brackets:** Adjustable brackets extend approximately 10 cm (4 inches) on each side, fitting aquariums from 40 cm to 60 cm in length.
- **Stable Design:** Unique support feet ensure the light remains stable on the aquarium rim.
- **High Brightness:** 15W power output, providing approximately 2000 lumens of illumination.



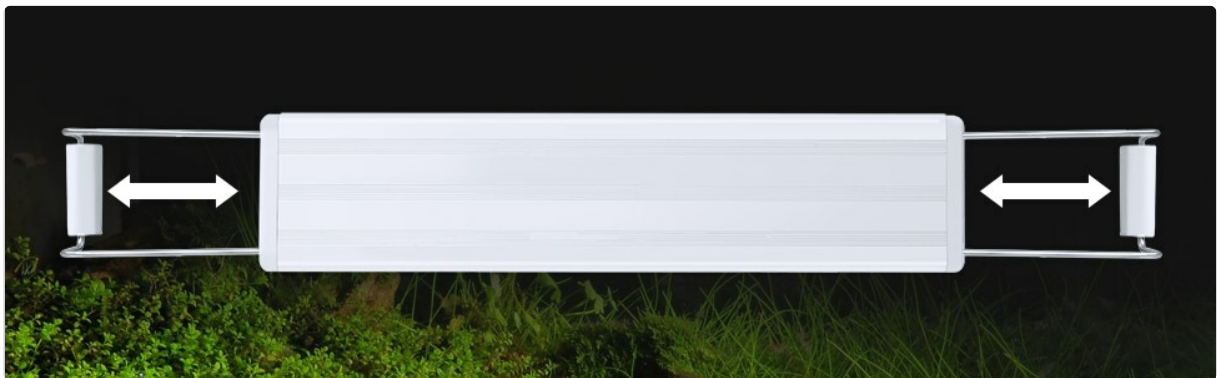
This image displays a detailed view of the LED array, highlighting the combination of white, red, green, and blue lights that constitute the full spectrum. The lower part of the image compares an aquarium before and after illumination, showcasing the light's ability to enhance plant growth and vibrancy.

5. SETUP INSTRUCTIONS

1. **Unpack:** Carefully remove all components from the packaging. Inspect for any damage.
2. **Attach Brackets:** Slide the two extendable mounting brackets onto each end of the LED light unit. Ensure they are securely fitted into the grooves.
3. **Adjust Length:** Extend the brackets to match the length of your aquarium. The brackets can extend up to 10 cm (4 inches) on each side, accommodating aquariums from 40 cm to 60 cm.
4. **Position Light:** Place the light unit with the extended brackets onto the rim of your aquarium. Ensure the support feet are stable and the light is centered over the tank. The brackets are suitable for aquarium glass thickness up to 0.76 cm (0.3 inches).
5. **Connect Power:** Connect the power adapter to the light unit. Then, plug the power adapter into a standard 240V electrical outlet.



This image focuses on the adjustable bracket system, demonstrating how it securely attaches to the rim of an aquarium. The design ensures stability and is compatible with aquarium glass up to 0.8 cm thick.



A top view of the aquarium light with its extendable brackets fully extended. Arrows illustrate that each bracket can extend by up to 15 cm, allowing the light to fit a wider range of aquarium lengths.

6. OPERATING INSTRUCTIONS

6.1. Manual On/Off

Use the red rocker switch located on the power cord to manually turn the light ON or OFF. This allows for immediate control without affecting the timer settings.

6.2. Timer Function

The integrated timer allows you to set the lighting duration automatically. The timer unit has a button and indicator lights for 6H, 9H, 12H, and 24H.

1. **Activate Timer:** Press the timer button (usually marked with a clock icon) to cycle through the available lighting durations.
2. **Select Duration:** Each press of the button will illuminate a different indicator light (6H, 9H, 12H, or 24H), corresponding to the selected lighting period.
3. **Start Cycle:** Once a duration is selected, the light will turn on and remain on for the chosen period. It will then turn off automatically. The cycle will repeat daily at the same time it was initially set.
4. **Disable Timer:** To disable the timer, press the button until no indicator light is illuminated, or use the manual on/off switch.



This image displays the FEDOUR aquarium light connected to its power supply, featuring an integrated timer control unit with selectable durations (6, 9, 12, or 24 hours) and a separate on/off switch for convenient operation. The total cable length is 1.5 meters.

7. MAINTENANCE

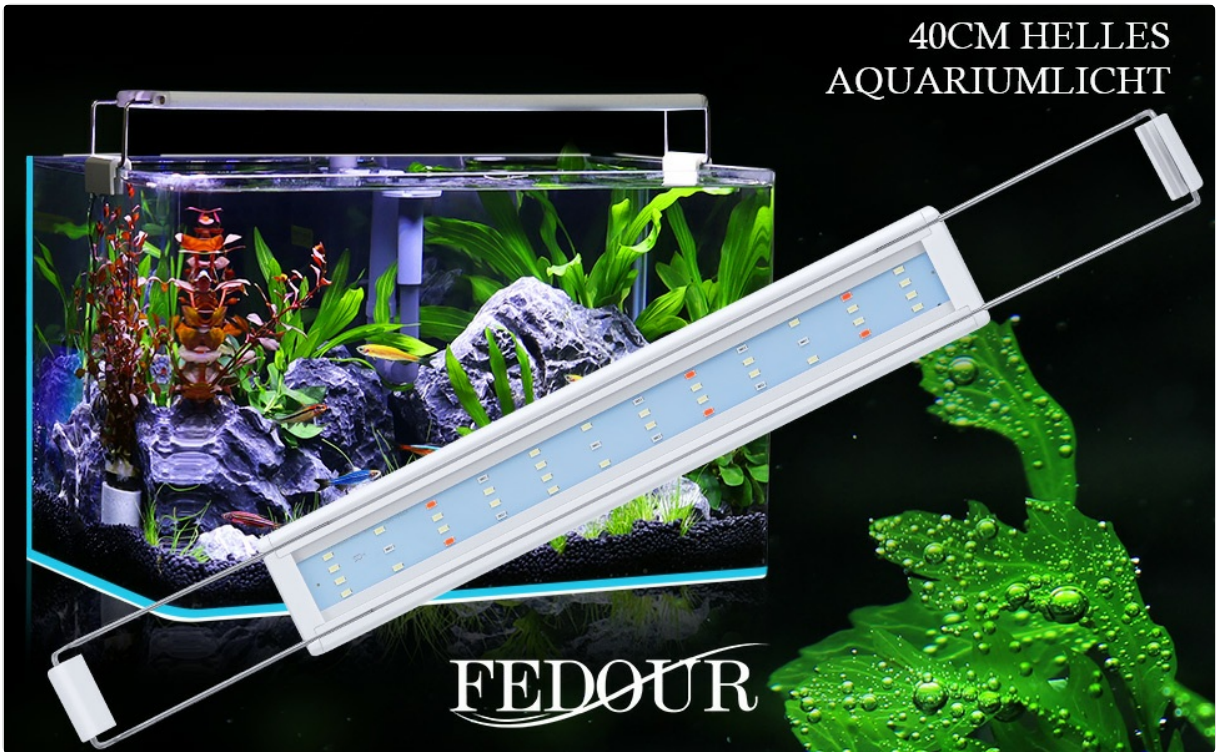
- **Cleaning:** Always unplug the light before cleaning. Use a soft, dry cloth to wipe the light unit. Do not use abrasive cleaners or immerse the unit in water. If necessary, a slightly damp cloth can be used, but ensure no water enters the electrical components.
- **Inspection:** Regularly check the power cord, plug, and light unit for any signs of damage or wear. If any damage is found, discontinue use and contact customer support.
- **Placement:** Ensure the light is always placed securely on the aquarium rim and not in a position where it could fall into the water.

8. TROUBLESHOOTING

- **Light does not turn on:**
 - Check if the power plug is securely inserted into the outlet.
 - Ensure the manual on/off switch is in the 'ON' position.
 - Verify that the power outlet is functional by plugging in another device.
 - If the timer is set, ensure it's within its active lighting period.
- **Timer function is not working correctly:**
 - Ensure a specific duration (6H, 9H, 12H, or 24H) is selected and its indicator light is on.
 - The timer cycle starts from the moment you select the duration. If you want it to start at a specific time, plug it in and set the timer at that desired start time.
- **Light flickers or dims:**
 - Check for loose connections between the light unit and the power adapter.
 - Ensure the power supply is stable.

- If the issue persists, the unit may be faulty. Contact customer support.

9. SPECIFICATIONS



This image illustrates the various models of FEDOUR aquarium lights, detailing their length, wattage, lumen output, recommended aquarium size, number of LED beads, and a consistent color temperature of 6500K for full spectrum lighting.

Feature	Specification
Brand	FEDOUR
Model Number	ED6-400
Dimensions (L x W x H)	40 x 8 x 6 cm (15.7 x 3.1 x 2.4 inches)
Weight	410 g (0.9 lbs)
Power	15 Watts
Voltage	240 Volts
Luminous Flux	2000 lm
LED Type	Full Spectrum LED (30 White, 6 Red, 3 Green, 6 Blue)
Number of LEDs	45
Color Temperature	6500K
Material	Aluminum Alloy, Plastic, Stainless Steel
Cable Length	1.5 meters (4.9 feet)
Timer Settings	6H, 9H, 12H, 24H

Recommended Aquarium Length	40-60 cm (15.7-23.6 inches)
Max Aquarium Glass Thickness	0.76 cm (0.3 inches)

For more detailed product information, including energy efficiency, please refer to the official EPREL database:

<https://eprel.ec.europa.eu/qr/1578057>

10. WARRANTY AND SUPPORT

This FEDOUR LED Aquarium Light comes with a **12-month warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage caused by:

- Improper installation or use not in accordance with this manual.
- Accidental damage, misuse, abuse, or neglect.
- Unauthorized repairs or modifications.
- Normal wear and tear.

For technical support, warranty claims, or any questions regarding your product, please contact FEDOUR customer service through the retailer where you purchased the product.