ONF Flat Nano+

ONF Flat Nano+ 15W Full Spectrum Aquarium Light User Manual

Model: Flat Nano+

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your ONF Flat Nano+ 15W Full Spectrum Aquarium Light. Please read this manual thoroughly before use to ensure proper function and safety.

Figure 1: ONF Flat Nano+ Aquarium Light and companion app interface.

Video 1: Overview of the ONF Flat Nano+ LED Aquarium Light, demonstrating its features for plant growth and app control.

2. SAFETY INFORMATION

To prevent injury or damage to the product, observe the following safety precautions:

- Always disconnect the power supply before performing any maintenance or installation.
- This product is designed for indoor use only.
- Ensure the power cord is not damaged or pinched.
- Do not immerse the light fixture or power adapter in water. The light is IP54 waterproof, meaning it is protected from dust and splashing water, but not submersion.
- Keep out of reach of children.
- Do not attempt to disassemble or modify the product. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- ONF Flat Nano+ 15W Full Spectrum Aquarium Light
- Power Adapter
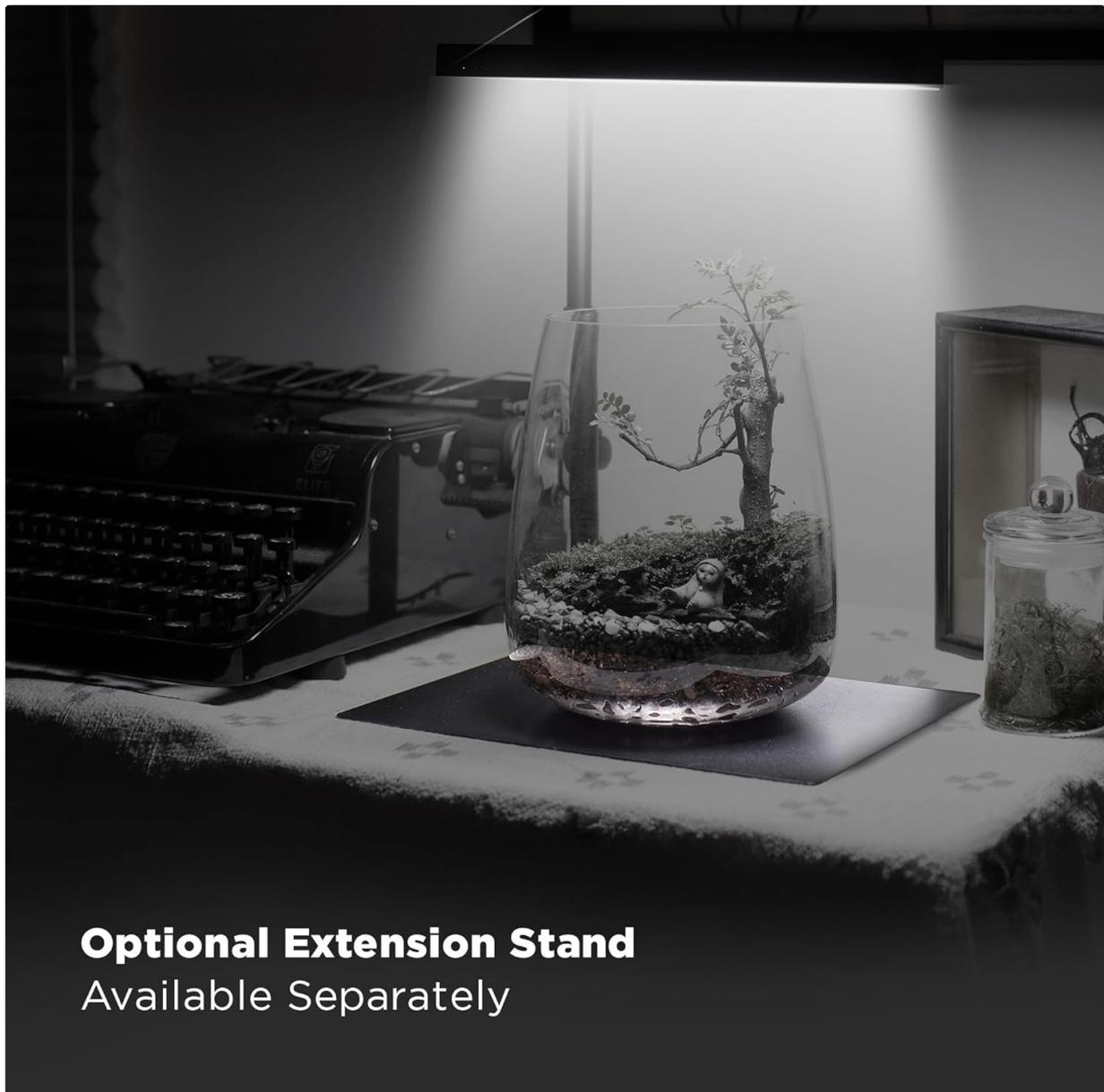- Mounting Clamp
- Screwdriver for clamp adjustment

4. SETUP

4.1 Physical Installation

The ONF Flat Nano+ is designed for rimless tanks with a glass thickness between 0.19 and 0.31 inches (approximately 5-8mm).

1. Attach the mounting clamp to the edge of your rimless aquarium. Use the provided screwdriver to securely tighten the clamp. Ensure the clamp is firm but do not overtighten to avoid damaging the glass.
2. Insert the light fixture's vertical arm into the clamp.
3. Adjust the height and angle of the light to achieve optimal coverage for your aquascape. The light features an adjustable rotating head for precise positioning.
4. Connect the power adapter to the light fixture and then plug it into a suitable power outlet.

Optional Extension Stand
Available Separately

Figure 2: The ONF Flat Nano+ is ideal for 2-9 gallon rimless tanks, featuring an adjustable rotating light head.

Video 2: Instructions for installing the ONF Flat Nano / Nano+ clip onto an aquarium.

4.2 App Installation and Pairing

The ONF Flat Nano+ can be controlled via the ONF Link app, available for iOS and Android devices.

1. Download the 'ONF Link' app from your device's app store.
2. Ensure Bluetooth is enabled on your smartphone or tablet.
3. Open the ONF Link app. Navigate to the 'Device List' and press the magnifier icon to search for your device.
4. The light's Bluetooth indicator will flash rapidly during pairing. Select 'FLAT NANO+' from the list to connect.
5. Once connected, the app will display 'Connect successfully!'.

Video 3: Demonstrates the Bluetooth connection process for the FLAT NANO+ with the ONF Link app.

5. OPERATING INSTRUCTIONS

5.1 Manual Brightness Adjustment

The ONF Flat Nano+ features a touch-sensitive button on the light fixture for manual control.

- **Long Press:** Press and hold the button to turn the light ON or OFF.
- **Short Press:** Briefly press the button to cycle through four preset brightness levels: 25%, 50%, 75%, and 100%.

Figure 3: Manual brightness adjustment via the touch button, offering 20 dimming levels and 7000K color temperature.

Video 4: Demonstration of manual brightness adjustment on the FLAT NANO+ light.

5.2 App Control

The ONF Link app offers advanced control options:

- **Brightness Control Mode:** Adjust the light intensity from 0% to 100% with fine granularity. This mode is suitable for use with an external timer.
- **Daylight Cycle Mode:** Create a personalized lighting schedule with up to five groups of time and brightness settings. The light will gradually brighten or dim between set points, simulating natural sunrise and sunset. This feature helps prevent sudden light shocks to aquatic life and plants.
- The app's built-in memory saves your settings even when the light is turned off.

Figure 4: Customize your light's daylight cycle using the ONF app, setting brightness levels for different times.

5.3 Advanced Full-Spectrum Lighting

The ONF Flat Nano+ utilizes a patented ColorFull LED technology to provide a precisely tuned full-spectrum illumination. This enhances plant growth and boosts vibrant colors in your aquatic environment.
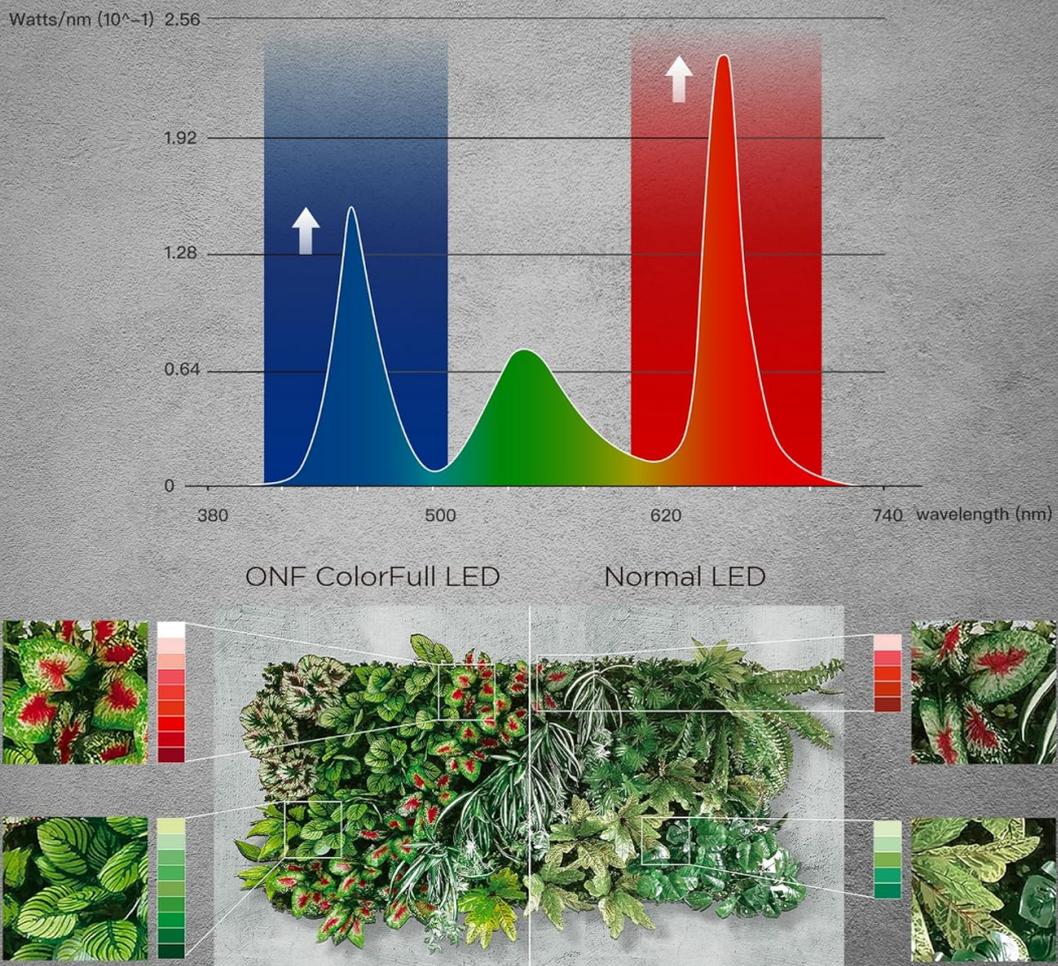
Figure 5: Comparison of the patented ColorFull LED spectrum with normal LED, highlighting enhanced plant coloration.

Video 5: A comparison of ONF COLORFULL LED full spectrum lighting with other plant lights, showcasing plant appearance.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your ONF Flat Nano+ light.

- **Cleaning:** Gently wipe the light fixture with a soft, damp cloth to remove dust or water spots. Do not use abrasive cleaners or solvents. Ensure the light is unplugged before cleaning.
- **Inspection:** Periodically check the power cord and connections for any signs of wear or damage.

7. TROUBLESHOOTING

If you encounter issues with your ONF Flat Nano+ light, refer to the following common solutions:

- **Light not turning on:** Ensure the power adapter is securely connected to both the light fixture and a working power outlet. Check if the outlet is receiving power.
- **App not connecting:** Verify that Bluetooth is enabled on your device and that the ONF Link app has

Bluetooth permissions. Try restarting the app and ensuring the light is powered on.

- **Difficulty modifying daylight cycle schedule in app:**If you need to change the time of a previously set schedule group, you may need to delete the later groups first. In the Daylight Cycle settings, slide the group you wish to delete to the left to reveal the delete option. Delete groups from the bottom of the list upwards to ensure continuity.
- **Light appears dim or inconsistent:**Check the brightness settings in the app or manually cycle through the brightness levels to ensure it is set to your desired intensity.

If problems persist, please contact ONF customer support for further assistance.

8. SPECIFICATIONS

Figure 6: Key LED specifications including luminous flux, power consumption, LED type, and lifetime.

Feature	Specification
Model Name	Flat Nano Plus
Wattage	15 watts

Feature	Specification
Luminous Flux	1300 lumens
Color Temperature	7000K
Light Source Type	LED
Number of Light Sources	20
Control Method	Remote (via App)
Special Feature	Dimmable, Energy Efficient
Water Resistance Level	IP54 Waterproof
Product Dimensions	9.05"D x 3.06"W x 3.06"H
Item Weight	1.65 pounds
Material	Aluminum, Plastic
Power Source	Corded Electric
Recommended Uses	Plant Growth (Aquariums, Terrariums, Potted Plants)

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact ONF Light directly. Refer to the product packaging or the official ONF website for the most current contact details.