

## NICREW N18925

# NICREW SlimLED Aquarium Light

Model: N18925 - User Manual

## 1. INTRODUCTION

Thank you for choosing the NICREW SlimLED Aquarium Light. This manual provides essential information for the safe and efficient operation of your new aquarium lighting system. Please read it thoroughly before installation and use, and retain it for future reference.

The NICREW SlimLED Aquarium Light is designed to provide optimal lighting for healthy and vibrant aquatic life. It features super bright 6500K white LEDs, 460nm blue LEDs, and 660nm red LEDs, offering a full spectrum for plant growth and enhancing fish coloration. The high-efficiency LED chips provide a 120° beam angle for excellent light spread. Its durable aluminum alloy casing ensures long-lasting performance.

## 2. SAFETY INSTRUCTIONS

- Always disconnect the power supply before performing any maintenance or cleaning.
- This product is designed for indoor use only. Do not expose to rain or extreme moisture.
- Ensure your hands are dry when handling the power adapter and controller.
- Do not operate the light if any part is damaged, especially the power cord or LED fixture.
- Keep out of reach of children.
- Ensure the light is securely mounted to prevent it from falling into the aquarium.
- Do not attempt to disassemble or modify the light fixture. This will void the warranty.

## 3. PACKAGE CONTENTS

Verify that all components are present in the package:

- NICREW SlimLED Aquarium Light Fixture
- Extendable Mounting Brackets (2x)
- Wired Controller with Timer

- Power Adapter



Fits Aquarium	Dimensions	Wattage
28 - 42 cm	26 x 6 x 1.15 cm	9W
43 - 60 cm	41 x 6 x 1.15 cm	14W
58 - 75 cm	56 x 6 x 1.15 cm	16W
75 - 95 cm	72.5 x 6 x 1.15 cm	20W
90 - 110 cm	87 x 6 x 1.15 cm	25W
120 - 140 cm	117 x 6 x 1.15 cm	32W

Figure 3.1: Overview of the NICREW SlimLED Aquarium Light components.

## 4. SETUP INSTRUCTIONS

1. **Attach Mounting Brackets:** Slide the extendable mounting brackets onto each end of the light fixture. Ensure they are securely attached.
2. **Position the Light:** Place the light fixture on top of your aquarium. Adjust the extendable brackets to fit your tank's width (90-110 cm). The brackets are designed to fit both rimmed and rimless aquariums.
3. **Connect Power:** Connect the wired controller to the light fixture, then connect the power adapter to the controller. Finally, plug the power adapter into a suitable electrical outlet.

# Adjustable Brackets

The light features an extendable mounting bracket, allowing easy installation on a variety of aquarium widths.



Figure 4.1: Adjustable brackets for easy installation on various aquarium widths.

## 5. OPERATING INSTRUCTIONS

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The wired controller allows for easy management of the light's functions.

# Simplified Control for Powerful Function

Achieve perfect lighting balance with adjustable spectrum and timer function.

## Power

Long press to turn **on/off** the light  
Short press to switch lighting mode

## Timer

With **W/D**: setting **6H/8H/10H**  
daylight timer

With **B/N**: setting **2H/4H/6H**  
moonlight timer

Adjust brightness  
of **blue LEDs**

Adjust brightness  
of **white LEDs**



Figure 5.1: Wired controller for simplified operation.

## 5.1 Power and Mode Control

- **Power On/Off:** Long press the power button (**Power Symbol**) to turn the light on or off.
- **Switch Lighting Mode:** Short press the power button (**Power Symbol**) to cycle through lighting modes: Full Spectrum (White + Blue + Red), White Only, Blue Only.
- **Adjust Brightness:** Use the 'W/D' button to adjust the brightness of the white LEDs and the 'B/N' button to adjust the brightness of the blue LEDs.

## 5.2 Timer Function

The wired timer allows for automated lighting cycles, including sunrise and sunset effects.

- **Daylight Timer (W/D):** Press the 'W/D' button to set the daylight duration. Available settings are 8 hours, 10 hours, or 12 hours. The light will gradually brighten at the start and dim at the end of the cycle (sunrise/sunset effect).
- **Moonlight Timer (B/N):** Press the 'B/N' button to set the moonlight duration (blue LEDs only). Available settings are 2 hours, 4 hours, or 6 hours. This mode also includes a gradual transition.

# Gradient Effect

Simulate natural sunrise and sunset to create a realistic environment

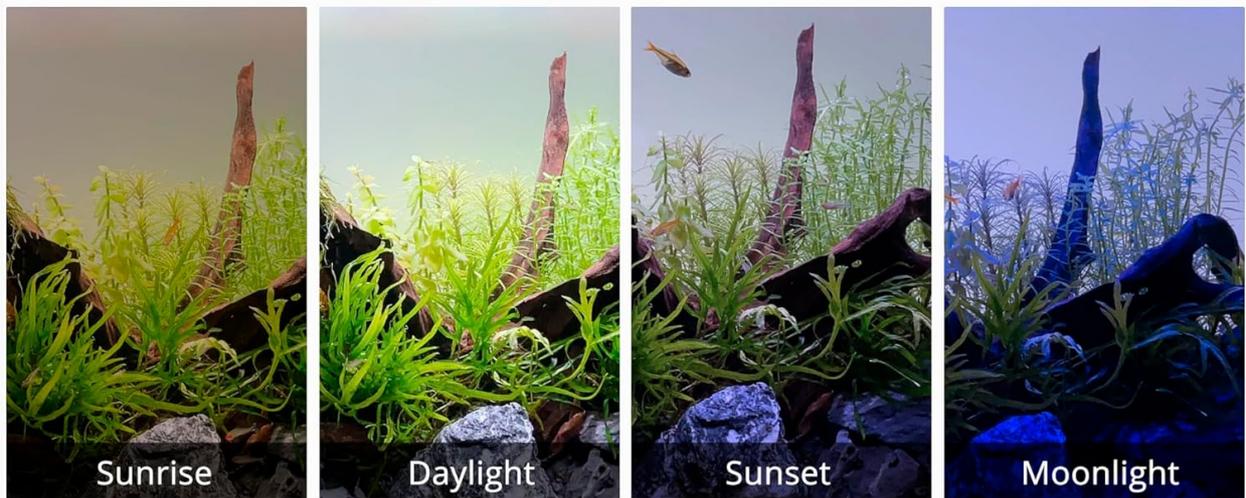
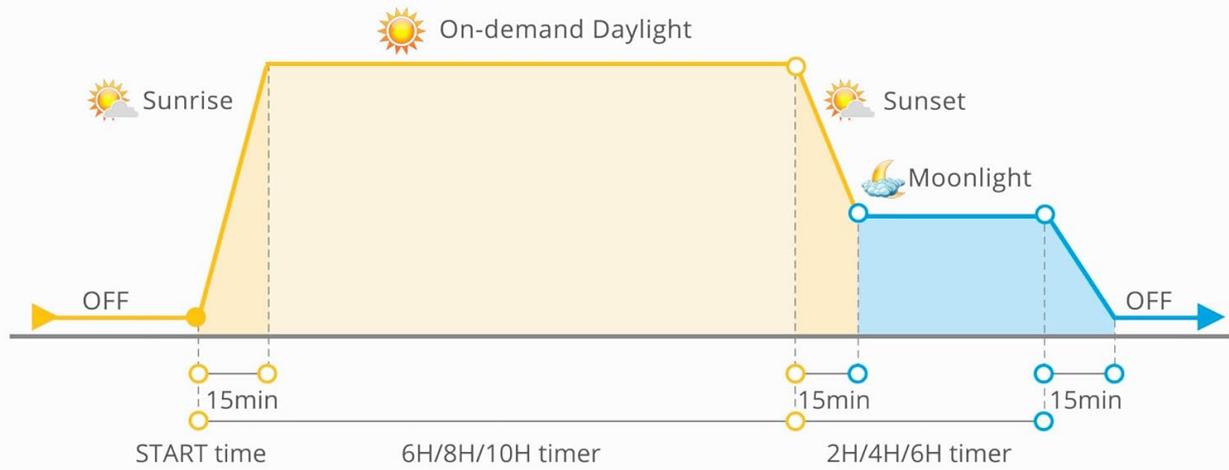


Figure 5.2: Gradient effect simulating natural sunrise and sunset.

# Daylight and Moonlight



Daylight Mode  
All LEDs On



Moonlight Mode  
Only Blue LEDs On



Figure 5.3: Daylight Mode (all LEDs on) and Moonlight Mode (blue LEDs only).

## 6. MAINTENANCE

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

- **Cleaning:** Periodically wipe the light fixture and LED cover with a soft, damp cloth to remove dust, water spots, and algae. Ensure the light is unplugged before cleaning. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the power cord, controller, and light fixture for any signs of damage. If any damage is found, discontinue use immediately and contact customer support.
- **Water Exposure:** While the light is designed for aquarium environments, avoid submerging the fixture or controller in water. The aluminum alloy casing is durable, but direct water immersion can cause damage.

## 7. TROUBLESHOOTING

If you encounter issues with your NICREW SlimLED Aquarium Light, refer to the following common problems

and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose connection; damaged power adapter/controller.	Check if the power adapter is securely plugged into the outlet and the controller. Ensure the controller is properly connected to the light fixture. Test the outlet with another device. If still not working, the adapter or controller may be faulty.
Timer function is not working correctly.	Incorrect timer setting; power interruption.	Re-set the desired timer duration (8/10/12h for daylight, 2/4/6h for moonlight). Ensure the power supply is stable and not interrupted.
Some LEDs are not lighting up.	Faulty LED chip; internal wiring issue.	This indicates a potential hardware fault. Discontinue use and contact customer support for assistance.
Light is flickering.	Unstable power supply; loose connection.	Check all connections. Ensure the power outlet provides stable voltage. Try plugging into a different outlet.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	N18925
Brand	NICREW
Product Dimensions (L x W x H)	87.3 x 5.5 x 30 cm
Item Weight	960 grams
Color	Black
Material	Aluminum (Casing), Acrylic (Shade)
Light Source Type	LED
LED Types	6500K White, 460nm Blue, 660nm Red
Beam Angle	120 Degrees
Power Source	Electric Cable
Aquarium Compatibility	90-110 cm (with extendable brackets)
Batteries Required/Included	No

# SlimLED Plants 90 - 110 cm

**108**

6500K White LEDs

**28**

460nm Blue LEDs

**14**

660nm Red LEDs

**70**

PAR@30 cm in air

**4600**

LUX@30 cm in air

**90**

Color Rendering Index (CRI)

**28 Watt.**

Total Power Consumption

**65 lm/W**

Efficacy

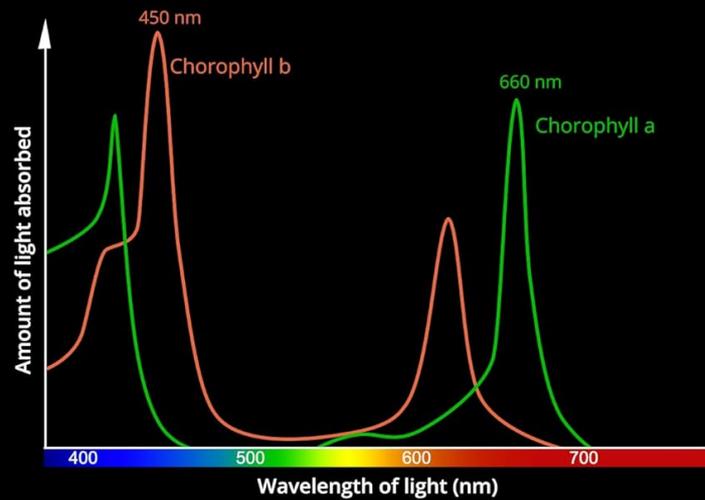
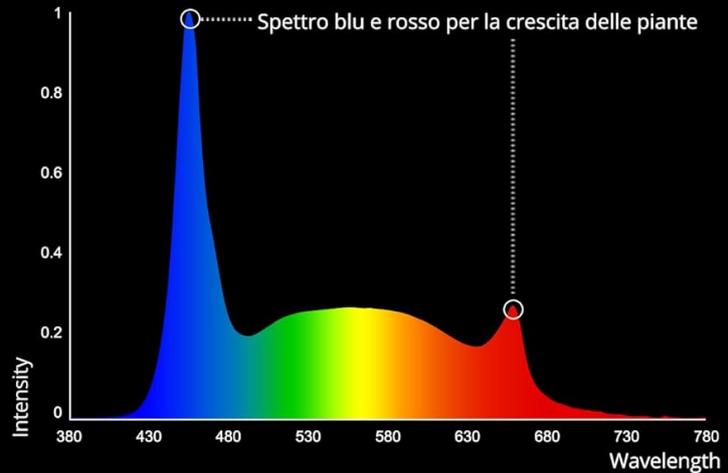


Figure 8.1: Detailed LED specifications and spectral data for the 90-110 cm model.

## 9. WARRANTY AND SUPPORT

Warranty information for this product is not explicitly provided in the available product data. For specific warranty details, please refer to the product packaging or contact the retailer where the product was purchased.

For technical support, troubleshooting assistance, or inquiries regarding spare parts, please contact NICREW customer service through their official website or the retailer's support channels. Please have your model number (N18925) and purchase information ready when contacting support.