

NICREW N81214

NICREW C10 Plants LED Aquarium Light Instruction Manual

Model: N81214 (30-36 inch, 20W)

PRODUCT OVERVIEW

The NICREW C10 Plants LED Aquarium Light is designed to provide optimal lighting for aquatic plants, featuring a full spectrum, adjustable brightness, and a programmable day/night cycle. Its robust construction ensures durability and efficient heat management.



Image: NICREW C10 Plants LED Aquarium Light, designed to maximize plant growth potential.

KEY FEATURES

- **Excellent Spectrum:** Combines 6500K white, 460nm blue, and TRUE 665nm deep red LEDs for efficient photosynthesis.
- **Brightness Adjustable:** Individual dimming from 0% to 100% for CH1 (white and red LEDs) and CH2 (blue LEDs), offering 10,000 color temperature combinations.

- **Day+Night Cycle:** Simulates natural day and night cycles with gradual ramp-up and dim-down features for sunrise and sunset.
- **Nature-Centered Design:** Gentle light transitions prevent startling fish. Light is completely off at night for fish rest.
- **Water-Resistant and Effective Heat Management:** Aluminum alloy body with heat sinks for durability and cooling.

SETUP AND INSTALLATION

Follow these steps for initial setup and installation of your NICREW C10 Plants LED Aquarium Light.

Mounting the Light

The light features adjustable mounting arms to fit various aquarium sizes. Simply extend the brackets to rest securely on the edges of your rimless tank.



Fits Aquarium	Dimensions	Wattage
12"-18"	10.4" x 3.1" x 0.4"	9 Watts
18"-24"	16.5" x 3.1" x 0.4"	13 Watts
24"-30"	22.4" x 3.1" x 0.4"	16 Watts
30"-36"	28.7" x 3.1" x 0.4"	20 Watts
36"-48"	34.2" x 3.1" x 0.4"	27 Watts
48"-60"	44.8" x 3.1" x 0.4"	32 Watts

Image: The NICREW C10 light with adjustable brackets, showing how it fits various aquarium sizes and its dimensions.

Controller Setup

The C10 light includes an inline digital controller for easy programming. Refer to the video below for a detailed guide on setting up the controller.

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Video: This video from NICREW demonstrates how to use the C10 Plants LED Controller, including first-time setup, setting the current time, and programming the timer and color spectrum.

First Time Setup (Reset to Factory Settings)

1. Press and hold the **Settings** button and **Power** button simultaneously for 3 seconds to reset the unit to default factory settings.

Set the Current Time

1. Press and hold the **Settings** button for 3 seconds. The current time will begin to flash.
2. Use the + and - buttons to adjust the hours.
3. Press the **Settings** button to advance to the minutes setting.
4. Use the + and - buttons to adjust the minutes.
5. Press the **Settings** button again to set the time. This will advance you to the sunrise time setting.

Set the Timer (Sunrise, Sunset, Sleep)

After setting the current time, the LCD display will flash the sunrise time. Follow these steps to set the timer and color spectrum:

1. Use the + and - buttons to set the desired sunrise hour. Press **Settings** to save and advance to minutes. Repeat for minutes.
2. Press the **Settings** button to move to the sunset time setting. Use + and - to set hours and minutes.
3. Press the **Settings** button to move to the sleep time setting. Use + and - to set hours and minutes.
4. *Tip:* If you want to use only the day cycle and not the night cycle, press the **Power** button when the sleep time is flashing. Sleep time will change to OFF, and the night cycle will be disabled. The lights will begin to dim at sunset time and turn off completely after 15 minutes.

Set the Color Spectrum (Daylight and Moonlight)

After setting the sleep time, the LCD display will flash the daylight spectrum settings.

1. Use the + and - buttons to set the brightness of the white and red LEDs (CH1).
2. Press the **Settings** button to advance to the brightness of blue LEDs (CH2) setting.
3. Use the + and - buttons to set the brightness of the blue LEDs.
4. Press the **Settings** button. The moonlight color spectrum will be set, and the setup is complete.

Easy to See! Easy to Use!



Sharp & Legible
Display



Day+Night
Cycle



Customized
Setting



Image: Close-up view of the NICREW C10 controller, showing its clear display and intuitive buttons for easy programming.

OPERATING THE LIGHT

Once programmed, the light will operate automatically according to your settings. You can also manually control the light or adjust brightness as needed.

Manual On/Off and Mode Cycling

If at any time you wish to turn your light on or off manually, simply press the **Power** button. Press the **Power** button again to cycle through different modes (e.g., full spectrum, blue only, off).

Adjusting Brightness

When the light is on, you can adjust the brightness of the white/red LEDs (CH1) and blue LEDs (CH2) individually using the + and - buttons. This allows for fine-tuning the light intensity and color temperature to suit your aquarium's needs.

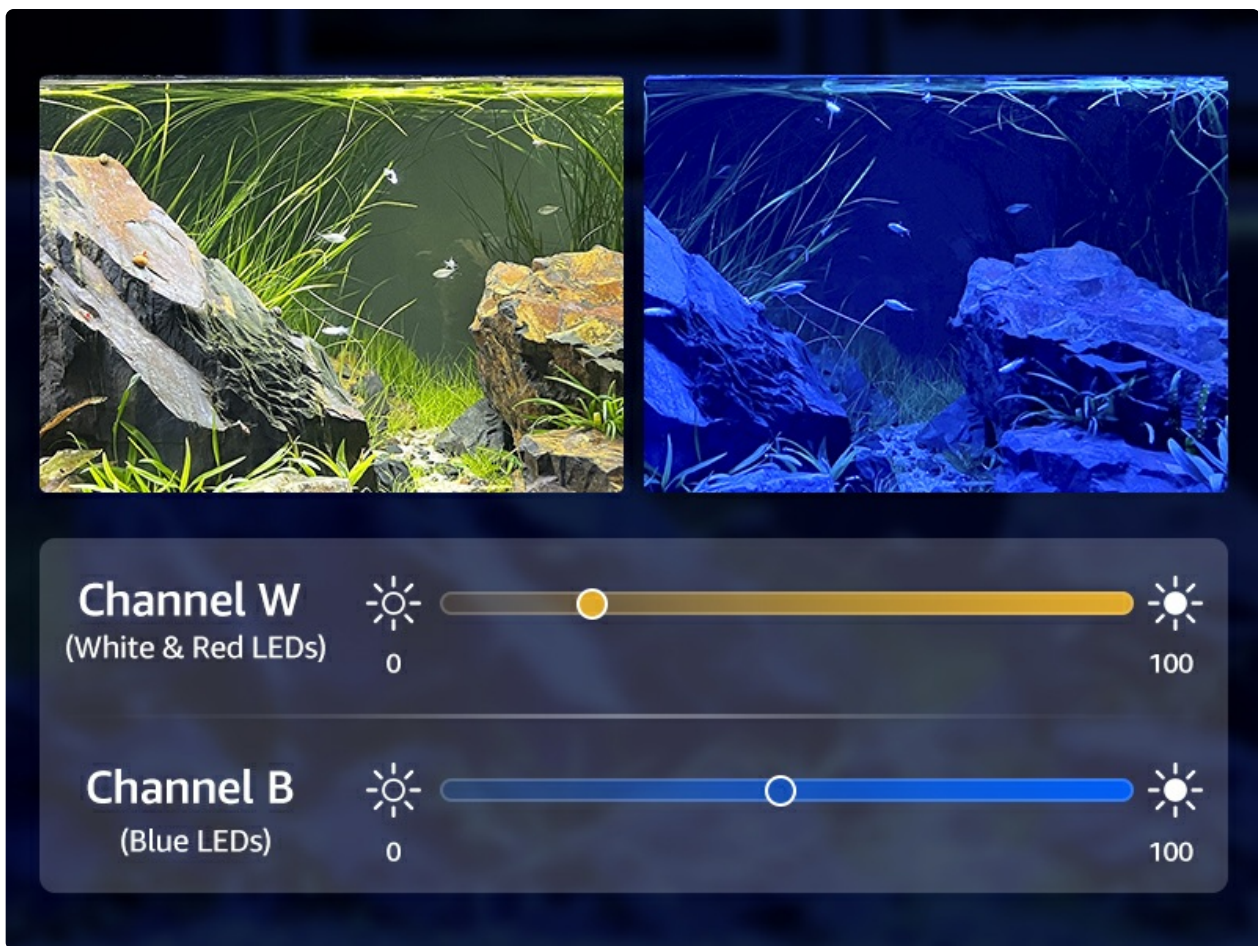


Image: The controller display illustrating the individual dimming controls for Channel W (White & Red LEDs) and Channel B (Blue LEDs), allowing for precise brightness adjustments from 0% to 100%.



Image: A split aquarium view demonstrating the difference between vibrant daylight illumination and natural lunar-simulated moonlight, highlighting the light's versatile modes.

MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your aquarium light and the health of your aquatic environment.

Light Unit Care

- The light is constructed from aluminum alloy with heat sinks for efficient heat dissipation. This design helps keep the LEDs cool and extends their lifespan.

- The unit is water-resistant, designed to withstand daily splashes and humidity. However, avoid submerging the unit.
- Regularly wipe the light surface with a soft, damp cloth to remove dust and water spots, ensuring maximum light output.

Algae Control

Effective algae control is crucial for a healthy aquarium. The following practices are recommended:

- **Proper Lighting Period:** Limit aquarium lighting to 8-10 hours per day. Excessive light can promote algae growth.
- **Regular Water Changes:** Perform water changes of about 15-20% every other week to reduce nutrient buildup.
- **Avoid Overfeeding the Fish:** Observe your fish's food consumption and adjust meal sizes as needed to prevent excess food from decaying and contributing to algae.
- **Choose the Location Wisely:** Keep your aquarium away from direct sunlight, which can significantly increase algae growth.

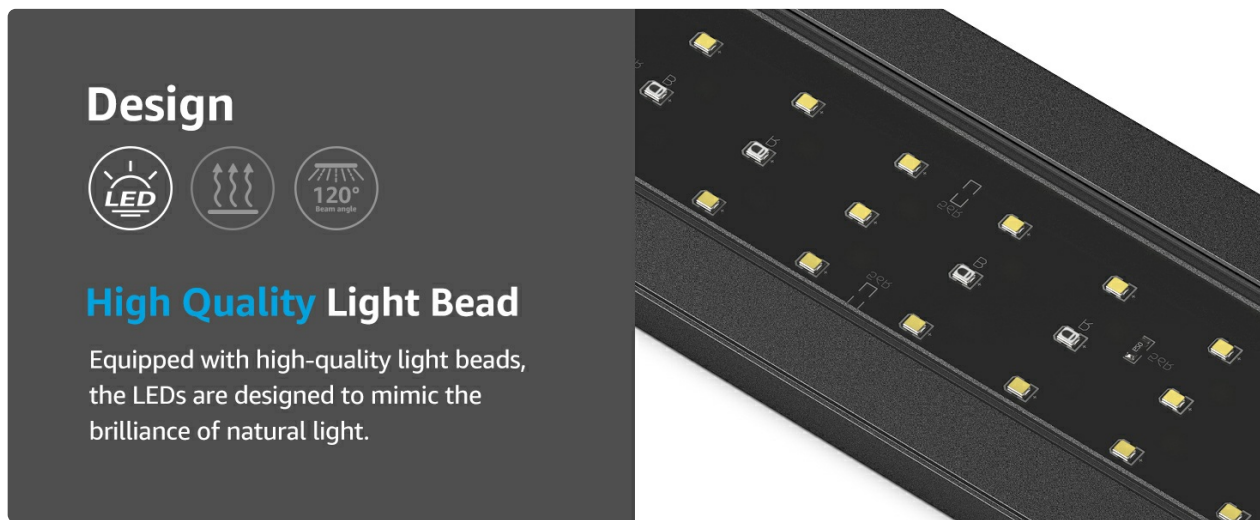


Image: Visual guide offering tips on how to effectively control algae blooming in an aquarium, including proper lighting, water changes, feeding, and placement.

TROUBLESHOOTING

If you encounter issues with your NICREW C10 Plants LED Aquarium Light, try the following steps:

- **Light Not Turning On:** Check all power connections. Ensure the adapter is securely plugged into both the light and the power outlet.
- **Incorrect Timing/Brightness:** Refer to the 'Setup and Installation' section to re-program the controller. You can also perform a factory reset as described in the 'First Time Setup' section.
- **Flickering Lights:** Ensure the power supply is stable. If flickering persists, try resetting the unit.
- **Controller Display Issues:** If the display is blank or unresponsive, check connections. A factory reset may resolve minor software glitches.

For persistent issues, please contact NICREW customer support.

SPECIFICATIONS

Feature	Specification
Brand	NICREW
Model Name	C10 V2
Item Model Number	N81214
Size	30 - 36 in
Wattage	20 Watts
Product Dimensions (LxWxH)	28 x 3.1 x 0.39 inches
Item Weight	2.05 pounds
Material	Aluminum
Light Source Type	LED
Color Temperature	6500 Kelvin
Bulb Features	Adjustable Brightness, Day+Night Cycle, Sunrise/Sunset Simulation
Included Components	Adapter

WARRANTY

This NICREW C10 Plants LED Aquarium Light comes with a**1-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims.

SUPPORT

For further assistance, technical support, or warranty inquiries, please visit the official NICREW website or contact their customer service department.