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PopBloom MJ3BP2-A

PopBloom T30 Reef Marine LED Aquarium Light

Model: MJ3BP2-A | **Brand:** PopBloom

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your PopBloom T30 Reef Marine LED Aquarium Light. This lighting system is designed to provide a full spectrum light suitable for coral reefs, SPS, LPS, and marine fish tanks ranging from 36 to 48 inches. It features a smart controller with multiple programmable channels and auto modes to simulate natural light cycles.



Image 1.1: The PopBloom T30 Reef Marine LED Aquarium Light system, showing two light units connected to a central controller.

2. Safety Information

Please read and understand all safety instructions before installing or operating this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect power before performing any maintenance or installation.
- Do not operate if the power cord or plug is damaged.
- Ensure the light fixture and controller are kept away from water splashes and excessive humidity.
- This product is designed for indoor use only.
- Do not attempt to disassemble or modify the light fixture or controller. Refer all servicing to qualified personnel.
- Keep out of reach of children.

3. Package Contents

Verify that all components listed below are present in your package:

- 2x T30 LED Light Fixtures
- 1x Smart Controller

- 2x Arm Mounting Kits
- 2x Power Supplies with Plugs
- 1x Rail Kit (for connecting two lights in a straight line)

4. Setup and Installation

Follow these steps to properly set up your PopBloom T30 Reef Marine LED Aquarium Light.

4.1. Assembling the Light Fixtures

The system includes two T30 light fixtures. These can be used individually or connected using the provided rail kit for a seamless setup over longer tanks.

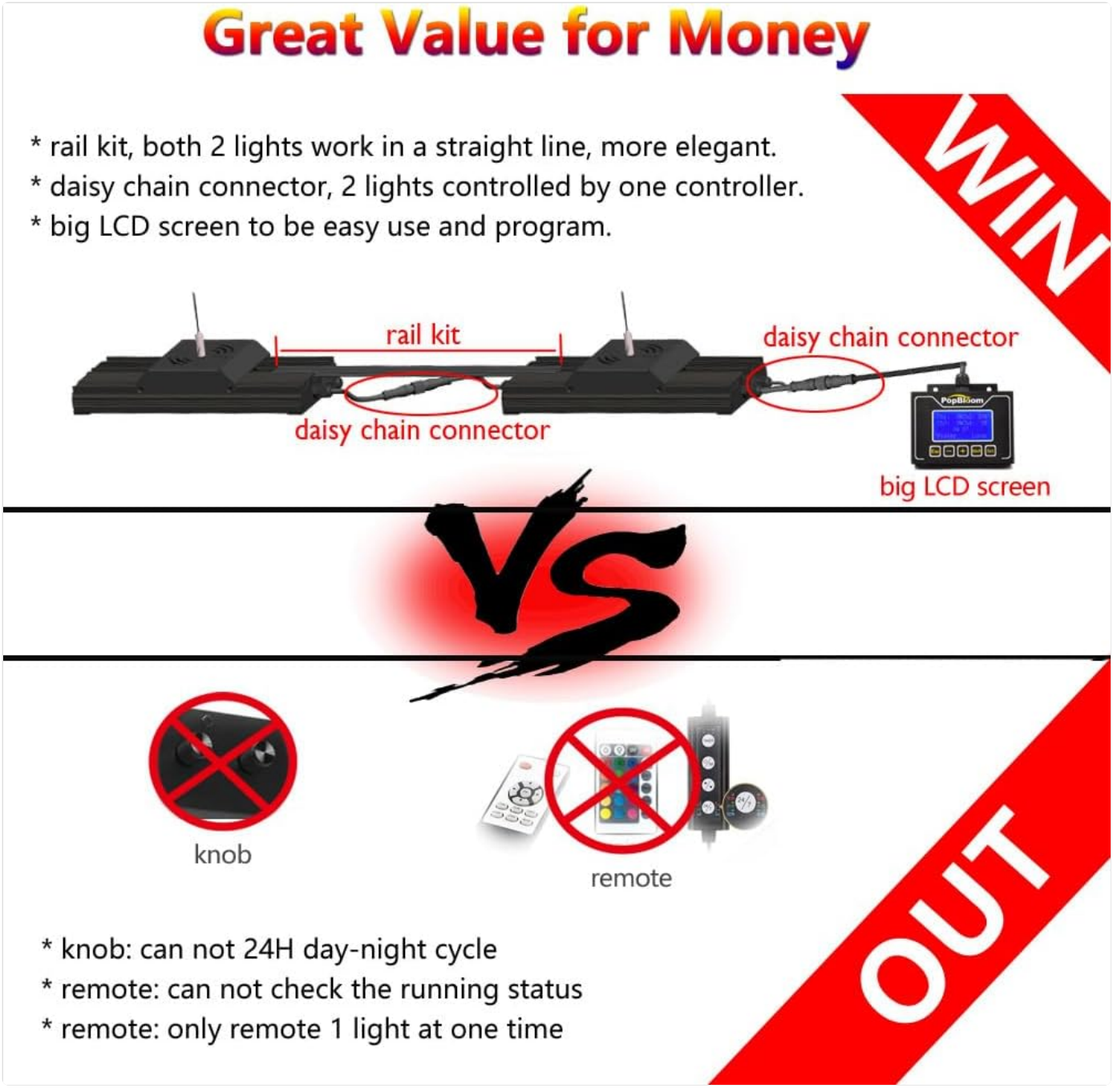


Image 4.1: Illustration of connecting two light units using the rail kit and daisy chain connector for control by a single controller.

4.2. Arm Mounting Kit Installation

The arm mounting kit allows for flexible positioning of the light fixtures on your aquarium. It is suitable for various tank

edge types, including horizontal, rimless, and rimmed tanks. The arm is scalable from 2-16cm and has an adjustable height from 19-34cm.

1. Attach the arm mounting bracket to the edge of your aquarium. Ensure it is securely fastened.
2. Slide the light fixture onto the arm.
3. Adjust the height and horizontal position of the light fixture to achieve optimal coverage for your tank.
4. Tighten all adjustment screws to secure the light in place.



Image 4.2: Detailed view of the arm mounting kit, illustrating adjustable length and height, and compatibility with different tank rim styles.

4.3. Connecting the Controller and Power

1. Connect the light fixtures to the smart controller using the provided cables.
2. Connect the power supplies to the light fixtures.
3. Plug the power supplies into a suitable electrical outlet.

5. Operating Instructions

The PopBloom T30 features a smart controller with a large LCD screen for easy programming and operation. It offers both automatic and customizable modes.

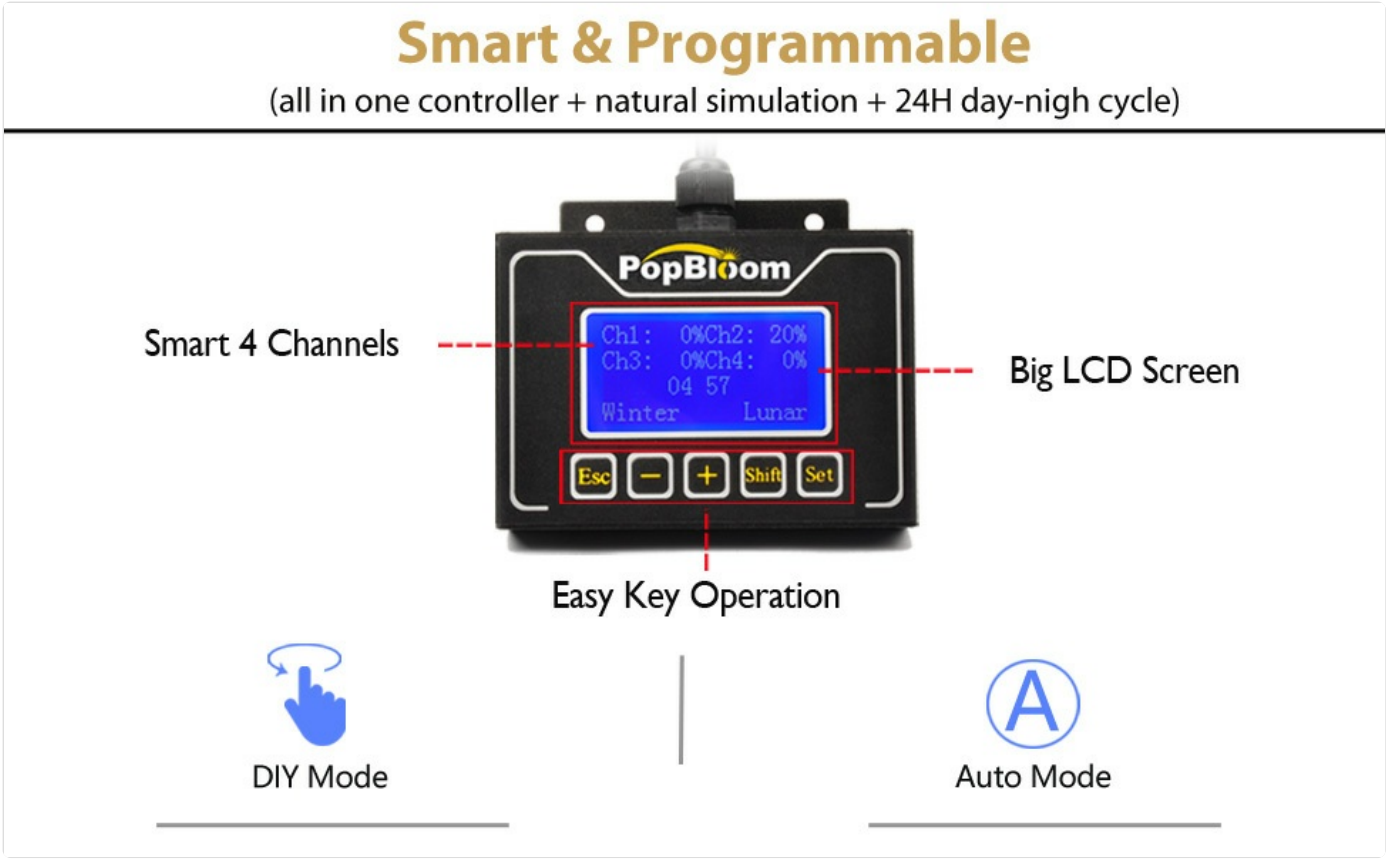


Image 5.1: The smart controller interface, highlighting the LCD screen and easy-to-use buttons for navigation and setting adjustments.

5.1. Controller Overview

The controller features a large LCD screen displaying channel percentages, current time, and selected mode. Navigation is done via the 'Esc', '-', '+', 'Shift', and 'Set' buttons.

5.2. Automatic Modes

The system includes 6 automatic modes designed to simulate natural light conditions, including 4 seasons (Spring, Summer, Autumn, Winter), Lunar Moon Cycle, and Sunrise/Sunset effects. These modes provide a 24-hour auto cycle without daily adjustments.



Image 5.2: Visual representation of the smart auto running features, including simulated seasons, lunar moon cycle, and sunrise/sunset effects.

5.3. DIY Cycle Setting (Programmable Channels)

The T30 light features 4 independently programmable channels with 8 time-points. This allows for gradual ramping up and down of light intensity throughout a 24-hour cycle.

1. Access the DIY setting menu on the controller.
2. Select the channel you wish to program (Channel 1, 2, 3, or 4).
3. For each channel, set up to 8 time-points. At each time-point, specify the desired brightness percentage.
4. The system will automatically transition between these set points, creating a customized light cycle.



Image 5.3: Step-by-step guide for setting a custom 24-hour light cycle using 8 time points for each of the 4 programmable channels.

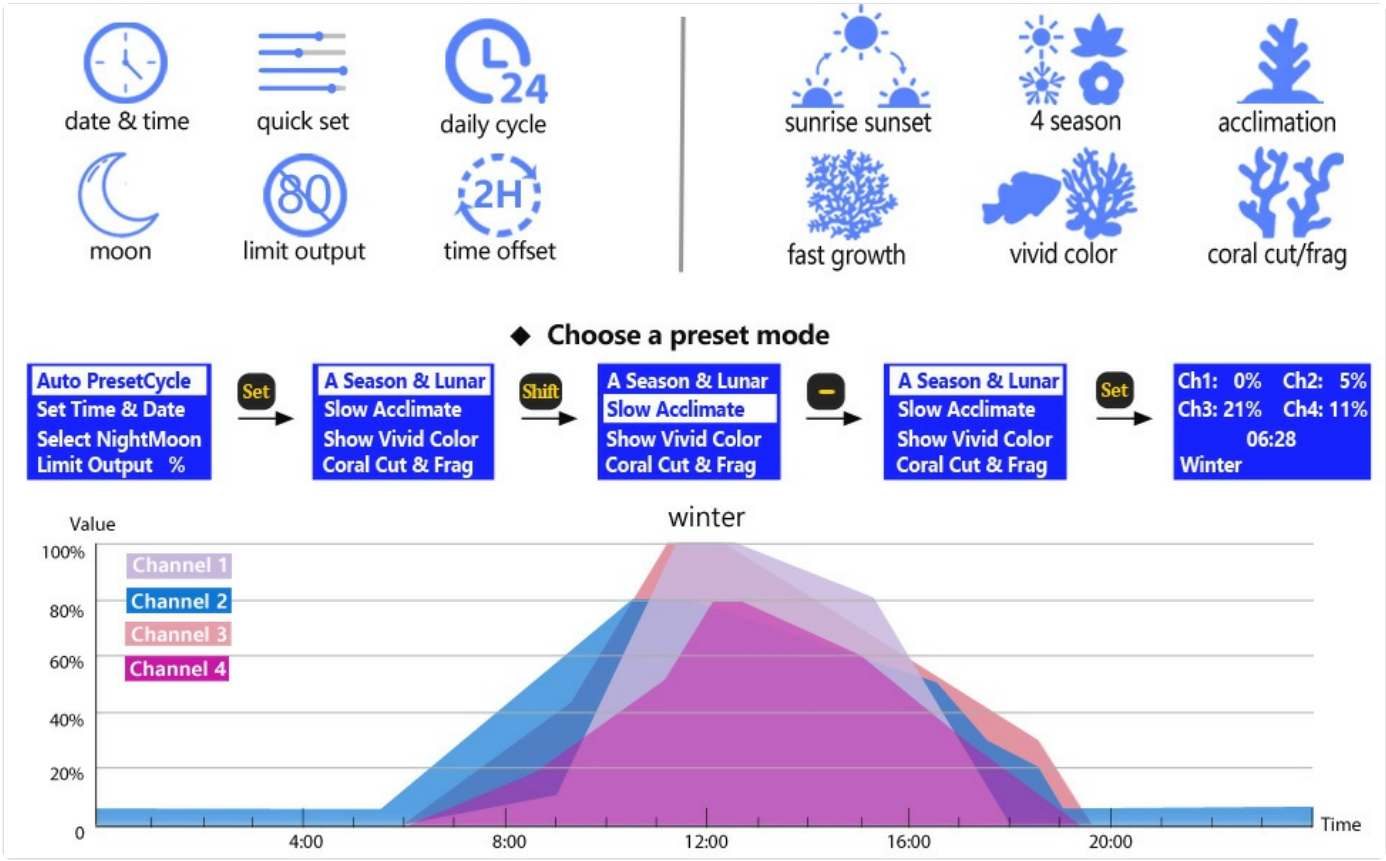


Image 5.4: Graphical representation of various preset light cycles and how the intensity of different channels changes throughout the day.

6. Maintenance

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

- **Cleaning:** Periodically wipe the light fixture and controller with a soft, dry cloth. Do not use abrasive cleaners or immerse in water.
- **Fan Maintenance:** The smart fan operates quietly. Ensure the fan vents are clear of dust and debris to maintain efficient cooling.
- **Cable Inspection:** Regularly check power cords and connection cables for any signs of wear or damage. Replace immediately if damage is found.

7. Troubleshooting

If you encounter issues with your PopBloom T30 light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty power supply.	Check power outlet, ensure all cables are securely connected. Test with another power supply if available.
Controller screen is blank.	No power to controller, cable issue.	Verify power connection to the light fixtures, as the controller is powered through them. Check controller cable.
Lights are not dimming/changing as programmed.	Incorrect program settings, controller malfunction.	Review your DIY program settings or selected auto mode. Reset the controller if necessary.

Problem	Possible Cause	Solution
Fan is noisy.	Dust accumulation, obstruction.	Clean fan vents. Ensure nothing is obstructing the fan blades.

If the problem persists after attempting these solutions, please contact PopBloom customer support for further assistance.

8. Specifications

Feature	Detail
Model Number	MJ3BP2-A
Product Dimensions	12"L x 5.5"W x 1.5"H (per light fixture)
Item Weight	10 Pounds (total package)
Light Source Type	LED
Number of Light Sources	80
Wattage	180 Watts (Maximum Compatible Light Source Wattage)
Voltage	265 Volts
Material	Aluminum
Color	Black
Mounting Type	Table Mount (Arm Kit)
Bulb Features	4 dimmable and programmable channels
Special Features	4 seasons, DIY moon setting, lunar cycle, sunrise sunset, time offset
Average Life	50000 Hours
Energy Efficiency	30% higher energy efficiency
UPC	763230696954

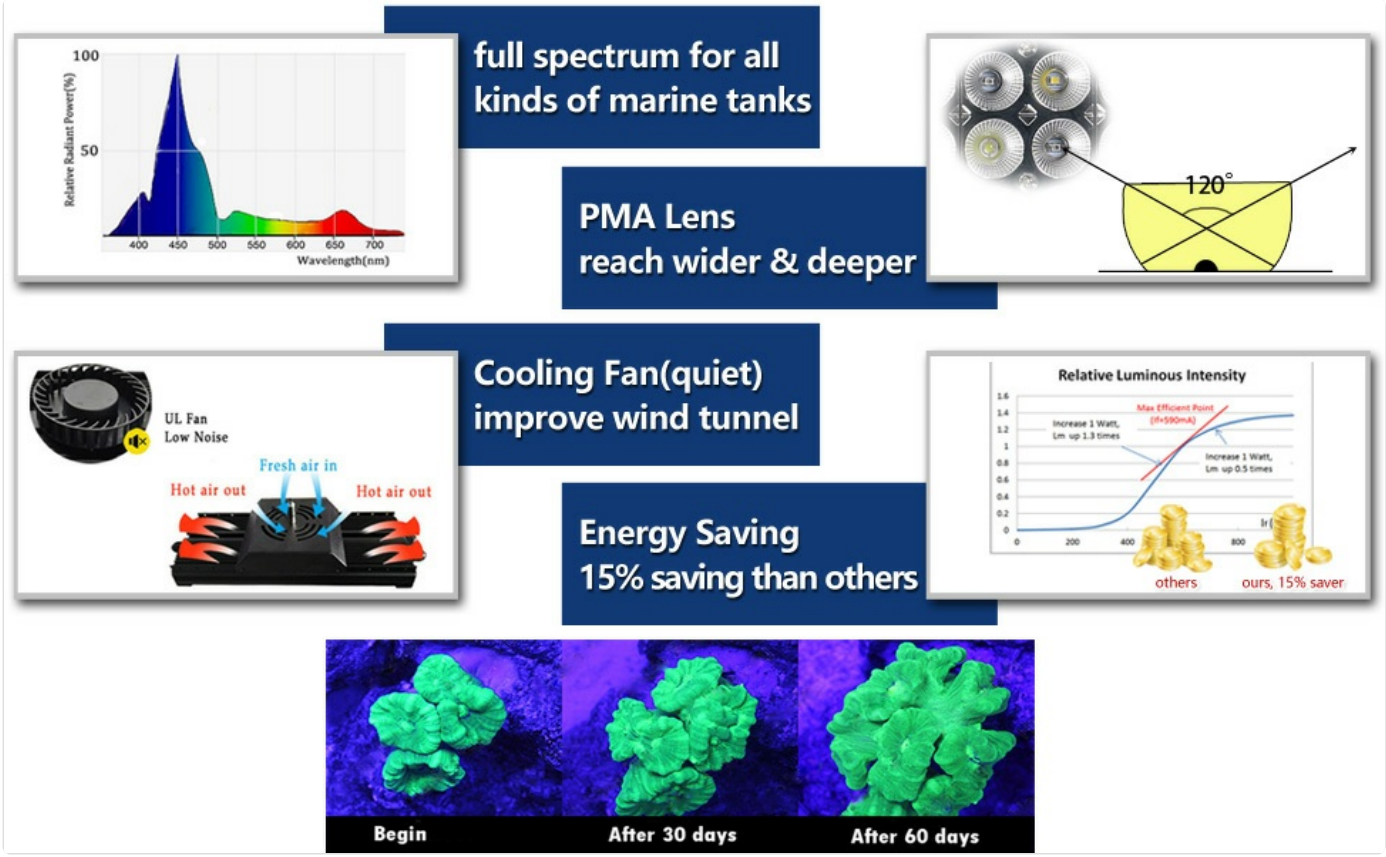


Image 8.1: Overview of key technical features including full spectrum output, wide-angle PMA lens, quiet cooling fan, and energy efficiency benefits.

9. Warranty and Support

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official PopBloom website. Keep your proof of purchase for warranty claims.

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