

[Manuals.plus](#) /

› [PopBloom](#) /

› PopBloom RL90 WiFi LED Aquarium Light User Manual

PopBloom RL90 WiFi

PopBloom RL90 WiFi LED Aquarium Light User Manual

Model: RL90 WiFi

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PopBloom RL90 WiFi LED Aquarium Light. Designed for marine aquariums, this full-spectrum LED light offers advanced control features via the SmartLife app, ensuring optimal conditions for SPS/LPS corals and fish.

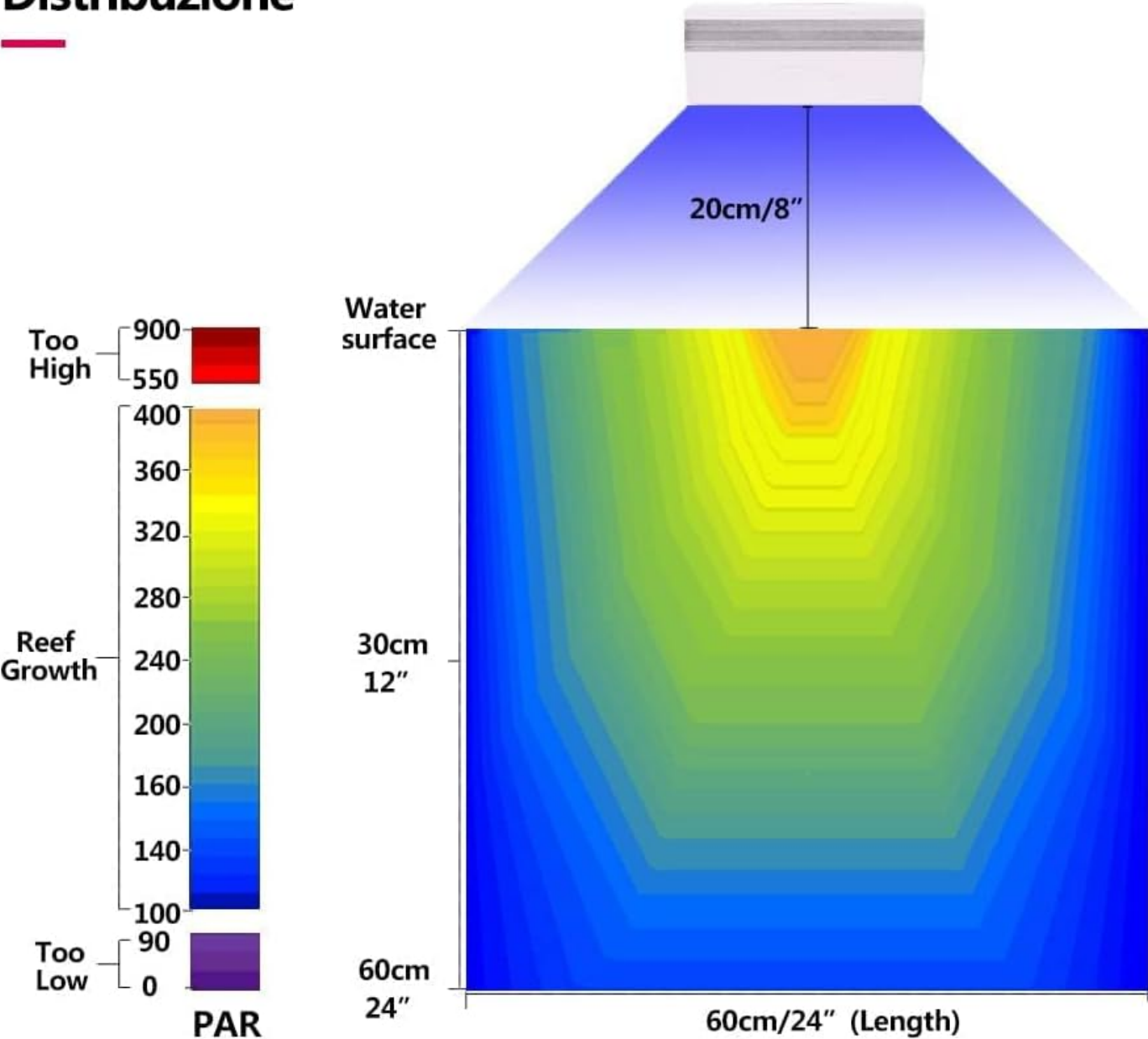
2. WHAT'S IN THE BOX

Please check the package contents to ensure all items are present:

- 1 x PopBloom RL90 WiFi LED Lamp
- 1 x Suspension Kit
- 1 x Power Adapter
- 1 x Power Plug
- 1 x User Manual

PAR ideale

Distribuzione



RL90 montato 20 cm/8" sopra il centro di un 60x60x60CM

Figure 1: Package contents including the RL90 WiFi LED lamp, power supply, and suspension kit.

3. SPECIFICATIONS

Feature	Detail
Brand	PopBloom
Model Number	RL90 WiFi
Product Dimensions	12 x 12 x 5.5 cm
Item Weight	680 g

Material	Plastic, Aluminum
Color	Blue (Light output)
Light Source Type	LED
Wattage	100 Watts
Control Features	APP Group Control, Sunrise/Sunset, 4 Seasons, Lunar Cycle, 24-hour Cycle, Lightning Simulation
Connectivity	WiFi (2.4 GHz)

4. SETUP GUIDE

4.1 Physical Installation

The PopBloom RL90 WiFi LED light comes with a suspension kit for mounting. Ensure the light is securely positioned above your aquarium to provide even light distribution. Refer to the diagrams below for typical installation methods.



Professional for SPS/LPS Group Control By Phone

Figure 2: The RL90 WiFi LED light installed using the suspension kit over a marine aquarium.

4.2 App Download and Connection

To control your PopBloom RL90 WiFi LED light, download the SmartLife app on your smartphone or tablet (Android or iOS). Ensure your device is connected to a 2.4 GHz Wi-Fi network.

1. Download the SmartLife app from your device's app store.
2. Open the app and create an account or log in.
3. Ensure your phone's WiFi and Bluetooth are enabled.
4. In the app, select 'Add Device' and allow it to automatically search for PopBloom lamps.
5. Follow the on-screen prompts to connect your light(s) to your Wi-Fi network. You may need to enter your Wi-Fi password.
6. Once connected, you can name each lamp for easy identification.

Your browser does not support the video tag.

Video 1: A guide demonstrating the SmartLife app setup and connection process for the PopBloom RL90 WiFi LED Aquarium Light.

5. OPERATING INSTRUCTIONS

The SmartLife app provides comprehensive control over your PopBloom RL90 WiFi LED Aquarium Light. You can manage individual lights or group them for synchronized control.

5.1 Group Control

If you have multiple RL90 lights, you can create a group within the SmartLife app to control them simultaneously. This allows for uniform lighting across your aquarium.

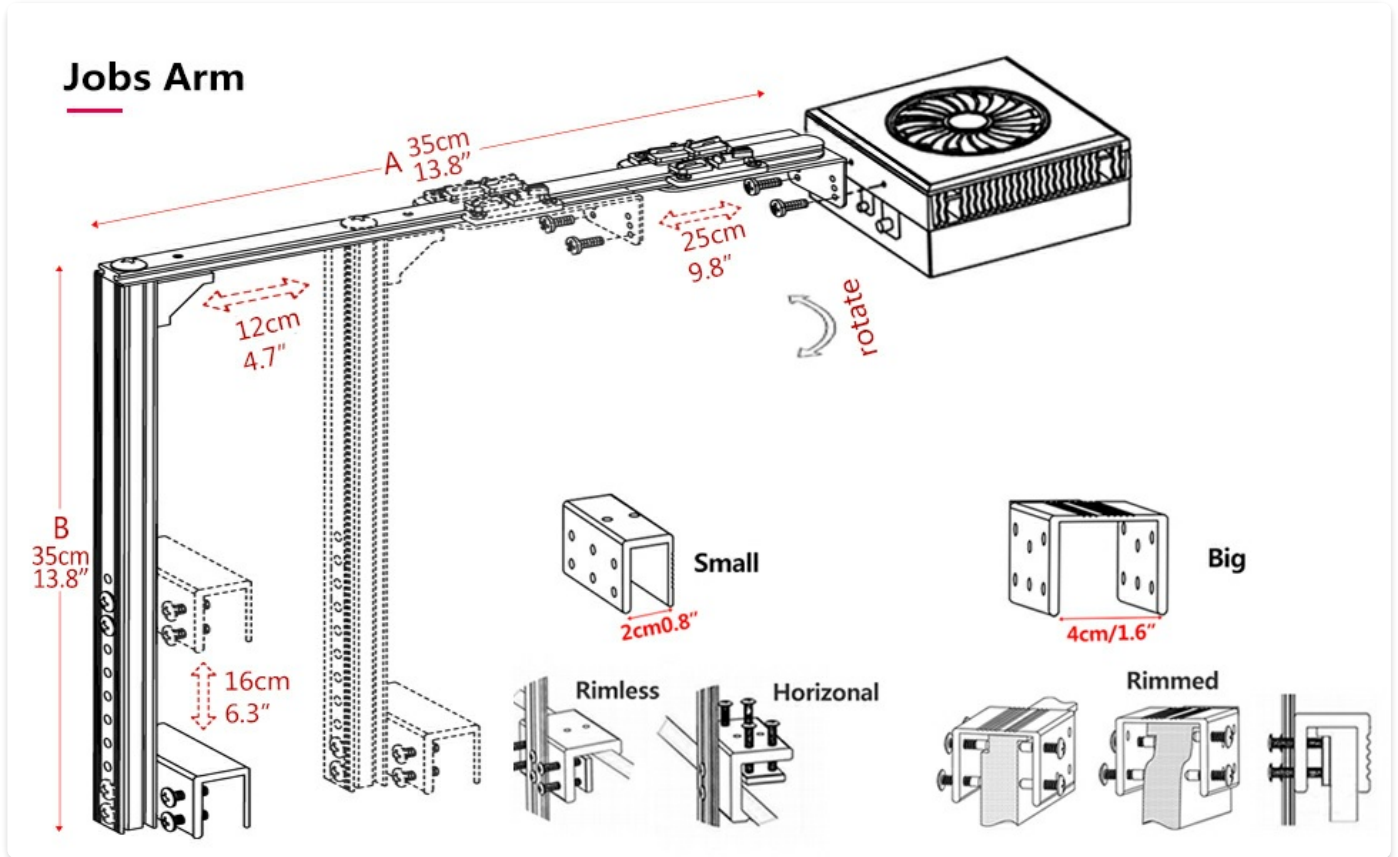


Figure 3: The SmartLife app demonstrating group control functionality for multiple RL90 lights.

5.2 Manual Mode

Adjust the intensity of each of the four channels (Ch1, Ch2, Ch3, Ch4) independently to achieve your desired spectrum and brightness. This mode allows for precise customization of your aquarium lighting.



Figure 4: Manual mode in the SmartLife app, allowing individual adjustment of light channels.

5.3 Preset Programs

The app offers 16 preset programs designed for various aquarium types and conditions, including SPS dominant, LPS & Soft coral, Fish & Plants, and different seasonal simulations (Tropical Spring, Summer, Autumn, Winter; Temperate Spring, Summer, Autumn, Winter). Select a program that best suits your aquarium's needs.



Figure 5: Program library within the SmartLife app, offering various preset lighting schedules.

5.4 Custom Program (DIY Mode)

You can create and edit your own 24-hour lighting program. Set start and end times, and adjust the color and brightness for each channel at different time points. A maximum of 16 custom programs can be saved.



Figure 6: Custom program editing interface in the SmartLife app, allowing users to define their own lighting schedules.

5.5 Natural Simulations

The RL90 WiFi light can simulate natural phenomena:

- **Sunrise & Sunset:** Gradually increases and decreases light intensity to mimic natural dawn and dusk.
- **Lunar Cycle:** Activates a 29-day lunar cycle, adjusting light intensity to simulate moon phases.
- **Lightning:** Randomly simulates lightning during a storm.
- **4 Seasons:** Adjusts lighting parameters to simulate seasonal changes.



Figure 7: SmartLife app displaying options for natural simulations, including lunar cycle and lightning.

5.6 Acclimation Function

The acclimation schedule helps your corals, fish, and plants adapt to new lighting environments. It gradually increases light intensity over a set period, starting from a lower intensity to prevent shock.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your PopBloom RL90 WiFi LED Aquarium Light.

- **Cleaning:** Periodically wipe the light fixture and lenses with a soft, damp cloth to remove salt creep, dust, and water

spots. Ensure the light is unplugged before cleaning.

- **Ventilation:** Ensure the cooling vents on the light fixture are not obstructed to prevent overheating.
- **Cable Inspection:** Regularly check power cables and connections for any signs of wear or damage. Replace immediately if any damage is found.

7. TROUBLESHOOTING

If you encounter issues with your PopBloom RL90 WiFi LED Aquarium Light, refer to the following common solutions:

- **Light Not Turning On:**
 - Check if the power adapter is securely connected to both the light and the power outlet.
 - Verify that the power outlet is functional.
 - Ensure the light is not set to 0% intensity in the app or in a scheduled 'off' period.
- **App Connection Issues:**
 - Confirm your smartphone/tablet is connected to a 2.4 GHz Wi-Fi network.
 - Restart the SmartLife app and try reconnecting.
 - Ensure the light is within range of your Wi-Fi router.
 - If issues persist, try resetting the light and re-adding it through the app.
- **Inconsistent Lighting:**
 - Check your active program in the SmartLife app for any unintended settings or conflicts.
 - Ensure all lights in a group are properly synchronized.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact PopBloom customer service. Keep your proof of purchase for any warranty claims.

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Question

Example: How do I reset this device or fix this error?

Details

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