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› PopBloom RL115 WiFi LED Reef Aquarium Light User Manual

PopBloom RL115

PopBloom RL115 WiFi LED Reef Aquarium Light User Manual

1. INTRODUCTION

Thank you for choosing the PopBloom RL115 WiFi LED Reef Aquarium Light. This advanced lighting system is designed to provide optimal light conditions for marine SPS, LPS corals, and saltwater tanks, promoting healthy growth and vibrant coloration. This manual will guide you through the installation, operation, and maintenance of your new aquarium light.

What's in the Box

- 1 x RL115 LED Reef Aquarium Light
- 1 x Arm Kit for mounting
- 1 x Power Supply & Plug
- 1 x User Manual

Package List



RL90 with arm kit

- 1x RL90 white light
- 1x Parallel bracket
- 1x Vertical bracket
- 1x Base & screw bag
- 1x 90W Power supply & cable
- 1x User Manual



RL115 with arm kit

- 1x RL115 white light
- 1x Parallel bracket
- 1x Vertical bracket
- 1x Base & screw bag
- 1x 115W Power supply & cable
- 1x User Manual

Image 1.1: Contents of the PopBloom RL115 package, including the light unit, arm kit, power supply, and user manual.

New

The advanced series - RL115

More PAR. More power. More glow.

- The RL115's new chipset delivers a richer blue spectrum and stronger white light, enhances fluorescence, color, and coral growth.
- Improved color rendition, Increased number of white&blue LEDs.
- It also features a major upgrade with GaN tech in the power adapter.



Image 1.2: Overview of the PopBloom RL115 advanced series, highlighting its features and benefits.

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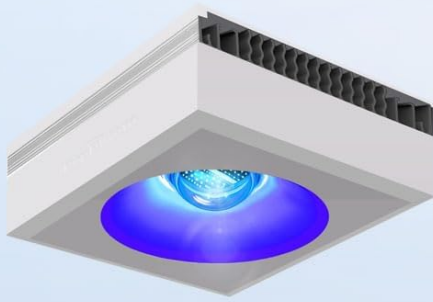
Video 1.1: An introductory video showcasing the PopBloom 2026 New Launch RL115 WiFi Reef Light, demonstrating its design and functionality.

2. SETUP AND INSTALLATION

2.1 Mounting the Light

The RL115 comes with an adjustable rearward sliding arm kit for easy installation on various tank types. Follow these steps to securely mount your light:

1. Assemble the arm kit components as shown in the diagram.
2. Attach the mounting bracket to the rim of your aquarium. The bracket is compatible with both rimless and rimmed tanks with glass/rim thickness less than 3cm (1.18 inches).
3. Slide the light fixture onto the arm. Adjust the length and height to achieve the desired position over your tank. The adjustable length is 12cm (4.8 inches) and adjustable height is 12cm (4.8 inches).
4. Ensure all connections are secure before proceeding.



2026 New Upgraded

New

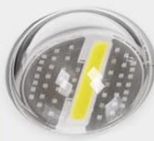
RL90 - 90W

RL115 - 115W

<<<<

More LED . More Brighter

>>>>



COB leds - 8 rows

10W 12000k White
65W Reef-grow Blue



COB leds -10 rows



20W 12000k White
80W Reef-grow Blue



<<<<

Higher PAR . Deeper Penetration

>>>>

PAR>150 @ 24" depth



PAR>170 @ 24" depth
PAR>150 @ 32" depth

1 light fit 60x60x60cm
(24x24x24inch)



1 light fit 60x60x80cm
(24x24x32inch)

<<<<

GaN Hydrid Power Adapter

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Size: 14x6x3.2cm
(5.5x2.4x1.26inch)

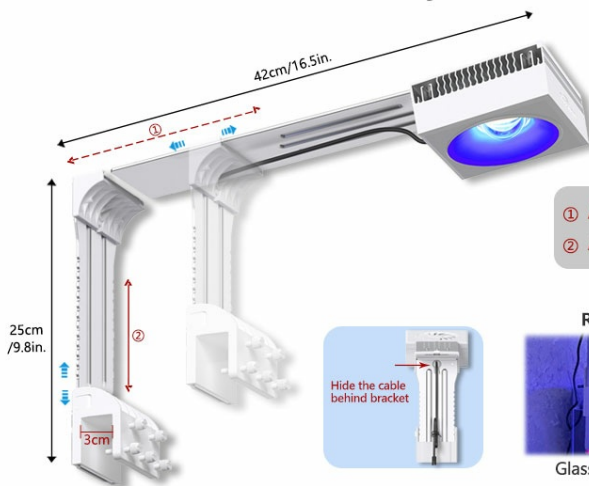


Size: 8x7.5x3.1cm (3.15x2.95x1.22inch)
8% higher energy efficiency



Image 2.1: The PopBloom RL115 light unit mounted with its adjustable arm kit on an aquarium.

Adjustable Rearward Sliding Arm Kit



① Adjustable Length: 12cm/4.8in.

② Adjustable Height: 12cm/4.8in.

Rimless

Rimmed



Glass/Rimmed thickness < 3cm/1.18in



Image 2.2: Detailed diagram illustrating the adjustable rearward sliding arm kit, showing length and height adjustments, and compatibility with rimless and rimmed tanks.

2.2 Tank Compatibility and Coverage

The RL115 is suitable for a variety of tank sizes. Refer to the compatibility chart below to determine the recommended number of lights for your aquarium dimensions.

Compatibility - Advanced series

* Maximum water depth : RL115 : 80cm/32" | RL90 : 60cm /24"

		Tank Length						
		60cm 24"	90cm 36"	120cm 48"	150cm 59"	180cm 71"	200cm 79"	225cm 89"
Tank Width	50cm 20"	1x RL90	2x RL90	2x RL90	3x RL90	3x RL90	4x RL90	4x RL90
	60cm 24"	1x RL90	2x RL90	2x RL90 2x RL115	3x RL90 3x RL115	4x RL90 3x RL115	4x RL90 4x RL115	5x RL90 4x RL115
	80cm 32"	1x RL115	2x RL115	3x RL115	3x RL115	4x RL115	4x RL115	5x RL115



Image 2.3: A chart detailing tank length, width, and recommended number of RL90 or RL115 lights for optimal coverage.

2.3 Power Connection

Connect the provided GaN Hybrid Power Adapter to the light fixture and then plug it into a standard electrical outlet. Ensure the power supply is placed in a dry, well-ventilated area.



Image 2.4: The GaN Hybrid Power Adapter, featuring 95% conversion rate and multiple protection mechanisms.

3. OPERATING INSTRUCTIONS

The PopBloom RL115 light is controlled via a dedicated mobile application, offering both preset programs and full customization.

3.1 APP Download and Connection

1. Download and install the PopBloom app on your smartphone.
2. Enable Wi-Fi and Bluetooth on your phone.
3. Grant location permissions to the app if prompted.
4. Open the app and select "Add Device".
5. Connect your phone to your home 2.4GHz Wi-Fi network.
6. Follow the in-app instructions to add and connect to your RL115 light.

Simple Connection

- Download and install the app
- Open the phone Wi-Fi and bluetooth
- Accept Location permission
- Open the app to "Add Device"
- Connect to your home wifi
- Add & connect to the light

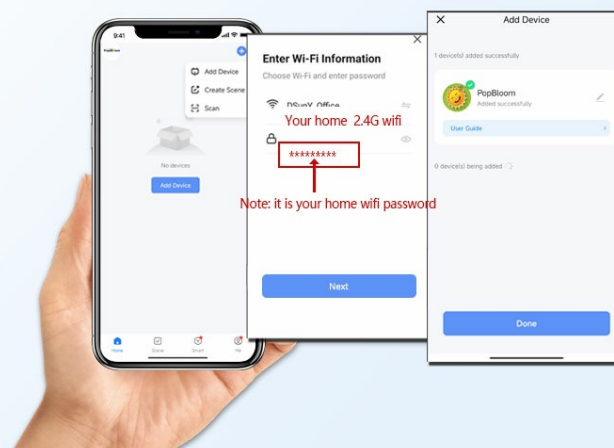


Image 3.1: Visual guide for connecting the PopBloom RL115 light to the mobile application via Wi-Fi.

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Video 3.1: A detailed instruction video on how to use the PopBloom WiFi LED APP for controlling your aquarium light.

3.2 Preset Lighting Modes

The app offers 16 dedicated lighting preset programs suitable for various reef scenarios, including SPS, LPS, mixed corals, fish-only tanks, and acclimation. These presets provide a one-click fast setup for beginners.

Beginner Friendly

- 16 preset modes
- One-click fast setup
- 24 hours auto cycle

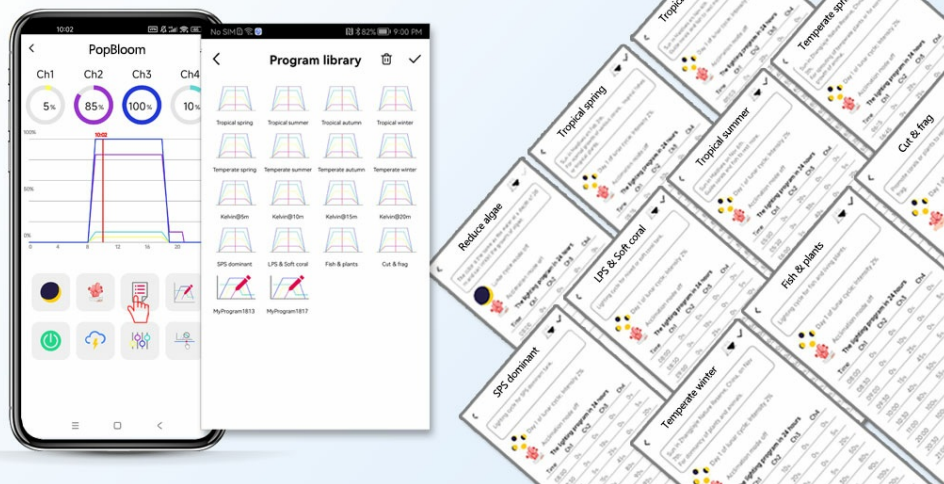


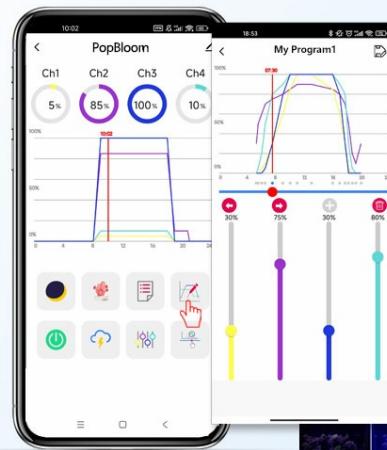
Image 3.2: The PopBloom app interface showing various preset lighting modes for different coral types and tank conditions.

3.3 Custom (DIY) Programming

For advanced users, the app allows full customization with up to 16 time-points for programming. You can independently adjust the brightness of the 4 channels and set ramp-up and ramp-down times to create a personalized daily schedule.

DIY(Custom) Program

- 16 time-points for programmable
- DIY the ramp up time and brightness
- DIY the ramp down time and brightness
- DIY 4 channels



- ➡ moving forward the time point
- ➡ moving backward the time point
- ➕ add the time point
- ⌵ select the time point

set the brightness of 4 channels in each time point

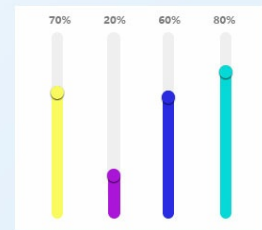


Image 3.3: The DIY programming interface within the PopBloom app, demonstrating how to set custom time points and channel brightness.

3.4 Natural Simulation Features

The RL115 can simulate natural lighting conditions to mimic the marine environment:

- **Sunrise/Sunset:** Gradually increases and decreases light intensity.
- **Lunar Cycle:** Simulates the moon's phases over a 27-day cycle.
- **Lightning:** Creates a storm effect for a dynamic environment.
- **Acclimation:** A program to help new corals adjust to the light.

Natural Simulation

- Simulate sunrise sunset
- DIY lunar cycle
- DIY coral acclimation
- DIY lightning

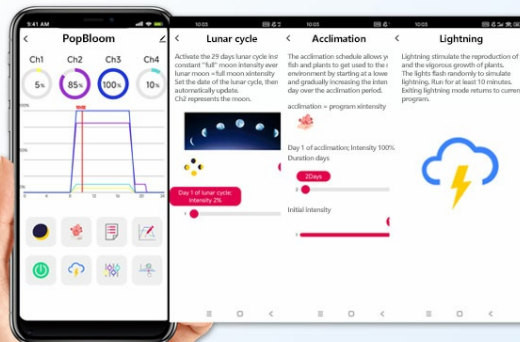


Image 3.4: The PopBloom app displaying options for natural simulations like lunar cycle, acclimation, and lightning effects.

3.5 Sharing Settings

The app allows you to share your customized lighting programs with other users, facilitating community engagement and optimal coral care.

Sharing Setting

Have a great setting?
Sharing it to your friends' phone,
helping corals to grow better.

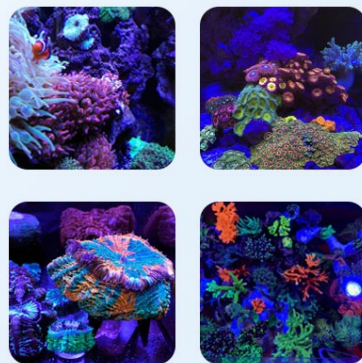
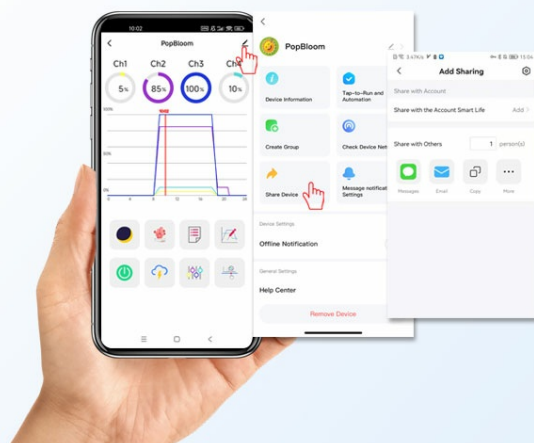


Image 3.5: Screenshot of the PopBloom app's sharing feature, enabling users to share their custom light settings.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your PopBloom RL115 light.

4.1 Cleaning

- **Light Fixture:** Periodically wipe the exterior of the light fixture with a soft, dry cloth to remove dust and salt creep. Ensure the light is unplugged before cleaning.
- **Lens:** Gently clean the projector-grade glass lens with a soft, damp cloth to maintain optimal light output. Avoid abrasive cleaners.
- **Cooling Fan:** Ensure the cooling fan vents are free from obstructions to prevent overheating. Use a soft brush or compressed air to clear any dust buildup.

4.2 Inspection

- Regularly check the power cord and adapter for any signs of damage.
- Inspect the mounting arm for stability and ensure it remains securely attached to the aquarium.

5. TROUBLESHOOTING

If you encounter any issues with your PopBloom RL115 light, refer to the following common troubleshooting steps:

5.1 Light Not Turning On

- Check if the power adapter is securely plugged into both the light fixture and the electrical outlet.
- Verify that the electrical outlet is functional by plugging in another device.
- Ensure there are no visible damages to the power cord or adapter.

5.2 APP Connection Issues

- Confirm your phone is connected to a 2.4GHz Wi-Fi network. The light does not support 5GHz Wi-Fi.
- Ensure your phone's Bluetooth is enabled and location services are granted to the app.
- Restart the app and try the connection process again.
- If issues persist, try resetting the light's Wi-Fi module (refer to the app's help section for specific reset instructions).

5.3 Inconsistent Light Output

- Check your programmed schedule in the app for any unintended settings.
- Ensure the light's lens is clean and free from obstructions or salt creep.
- Verify that the cooling fan is operating correctly and not blocked, as overheating can affect performance.

For further assistance, please contact PopBloom customer support.

6. SPECIFICATIONS

Detailed technical specifications for the PopBloom RL115 LED Reef Aquarium Light:

Feature	Specification
Model Number	HertzRL115WiFi
Power	115W
PAR (24" depth)	>170
PAR (32" depth)	>150
CRI	>95
Dimensions (L x W x H)	4.72"L x 4.72"W x 2.17"H (12x12x5.5 cm)
Weight	2.5 Pounds
Material	Aluminum frame with plastic casing
Lens Angle	110° wide-angle
Control Method	WiFi & APP Control (4 Channels fully programmable)
Voltage	120 Volts
Power Source	Corded Electric
Mounting Type	Bracket Mount

Specifications

RL115



Dimensions

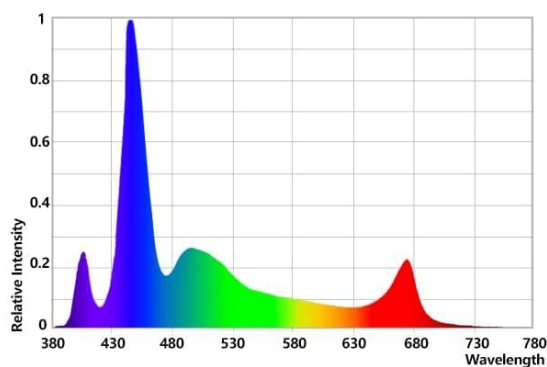
4.7x4.7x2.2 inch / 12x12x5.5 cm

Power Watts 115 W

Maximum Coverage

24x24 inch / 60x60 cm

Spectrum All channels @100%



Full Spectrum

Producing natural color and a gentle shimmer while give you choicesto create the perfect color spectrum.

Channels	Symbol	Watts
Channel 1		20 W
Channel 2		5 W
Channel 3		80 W
Channel 4		10 W



Image 6.1: Visual representation of the PopBloom RL115's dimensions, power, coverage, and spectral channels.

RL90 Reef



4.7 x 4.7 x 2.2 inch
light dimension

90 Watts
Compact LED array

500 PAR
At surface

150 PAR
60cm depth

60x60x60 cm / 24x24x24 inch
1 light recommend

Channels	Symbol	Watts
CH1: 12000K White		10 W
CH2: Moonlight		5 W
CH3: Reef-grow Blue		65 W
CH4: Vivid Color		10 W

RL115 Reef



4.7 x 4.7 x 2.2 inch
light dimension

115 Watts
Compact LED array

570 PAR
At surface

170 PAR
60cm depth

150 PAR
80cm depth

60x60x80 cm / 24x24x32 inch
1 light recommend

Channels	Symbol	Watts
CH1: 12000K White		20 W
CH2: Moonlight		5 W
CH3: Reef-grow Blue		80 W
CH4: Vivid Color		10 W

Image 6.2: A comparison chart highlighting the differences and upgrades between the PopBloom RL90 and RL115 models, including LED count, wattage, and PAR values.

PAR Distribution

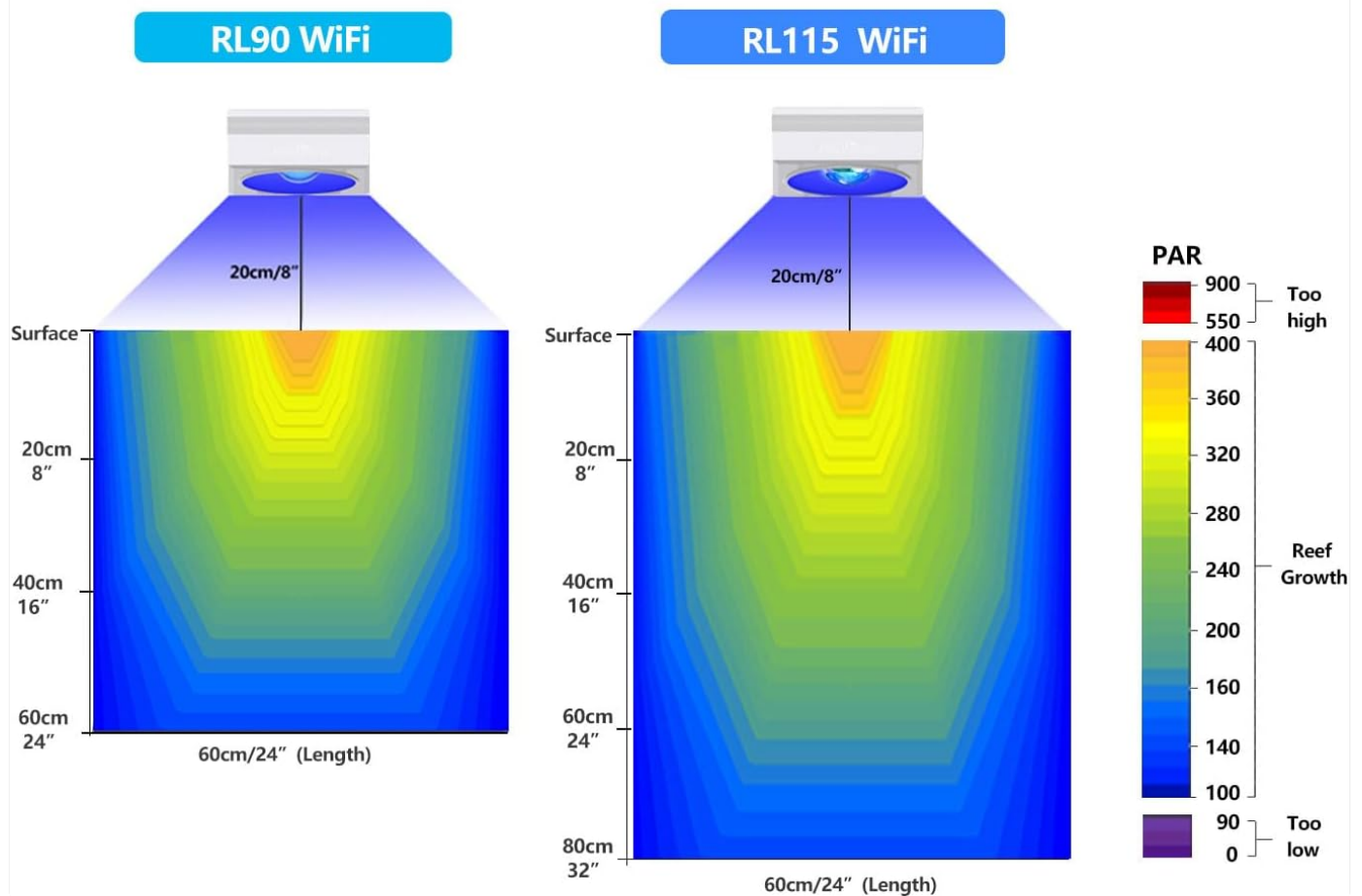


Image 6.3: PAR distribution maps for both RL90 and RL115 lights, illustrating light penetration at various depths in an aquarium.

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The PopBloom RL115 LED Reef Aquarium Light comes with a **3-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures stable, long-lasting performance. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

For any questions, technical support, or warranty inquiries, please contact PopBloom customer service. Refer to the contact information provided on the product packaging or the official PopBloom website.

Manufacturer: Shenzhen PopBloom Electronic Technology Co., Ltd

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question