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## PopBloom Hertz75-2

# PopBloom Hertz75 WiFi LED Reef Aquarium Lighting

Model: Hertz75-2 User Manual

## Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your PopBloom Hertz75 WiFi LED Reef Aquarium Lighting system. Please read this manual thoroughly before using the product to ensure proper function and longevity. This lighting system is designed to provide optimal light spectrum for marine aquariums, supporting coral growth and fish health through intelligent control and full spectrum LED technology.

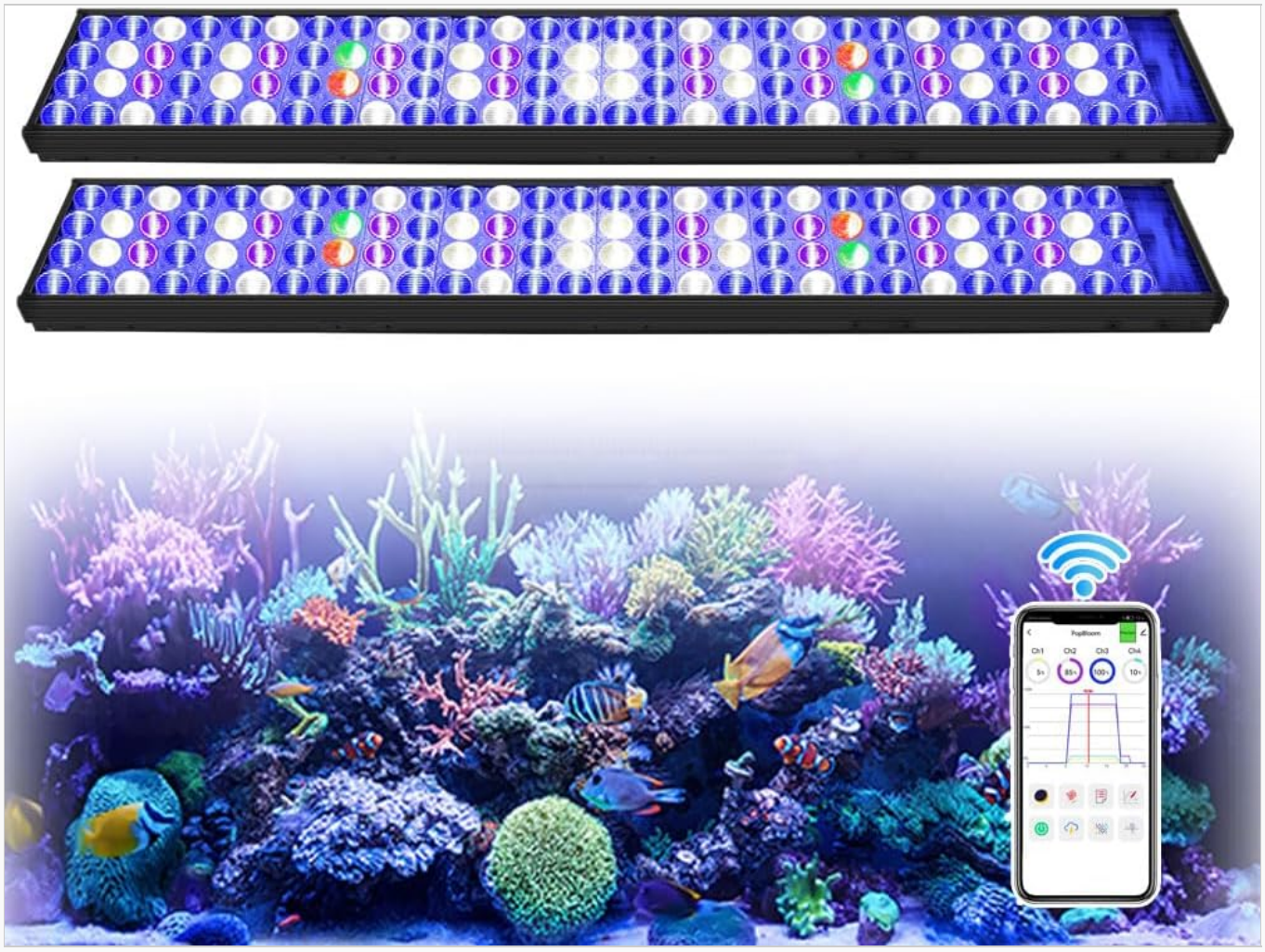

Image: Two PopBloom Hertz75 LED lights are shown installed above a marine aquarium, demonstrating their application. A smartphone screen on the right illustrates the intuitive app control interface for the lighting system.

## Safety Information

- Always disconnect power before performing any maintenance or installation.
- This product is designed for indoor use only. Do not expose to water splashes or high humidity.
- Ensure the power supply and plug are correctly connected and rated for your local electrical standards.
- Do not operate the light if any part is damaged. Contact customer support for assistance.
- Keep out of reach of children and pets.
- The light unit can become warm during operation. Avoid direct contact with the aluminum casing.

## Package Contents

Please verify that all items listed below are included in your package:

- 2x Hertz75 WiFi Light Panel
- 2x Power Supply
- 2x Power Plug
- 2x Hanging Kit
- 1x App User Manual




Image: A visual representation of the package contents for the PopBloom Hertz75 lighting system, showing two light panels, two hanging kits, two power supply units with plugs, and two user manuals.

## Setup

### 1. Physical Installation (Hanging)

1. Assemble the hanging kit according to the instructions provided in the separate hanging kit manual.
2. Attach the hanging wires to the designated points on the light panel.
3. Suspend the light panel above your aquarium using a secure mounting point. The recommended hanging distance between the light and the water surface is 15-30 cm (approximately 6-12 inches).

The ultra-thin design (1.4 inches / 3.6 cm thickness) also allows the light to fit inside tank covers, lids, or hoods if hanging is not preferred.

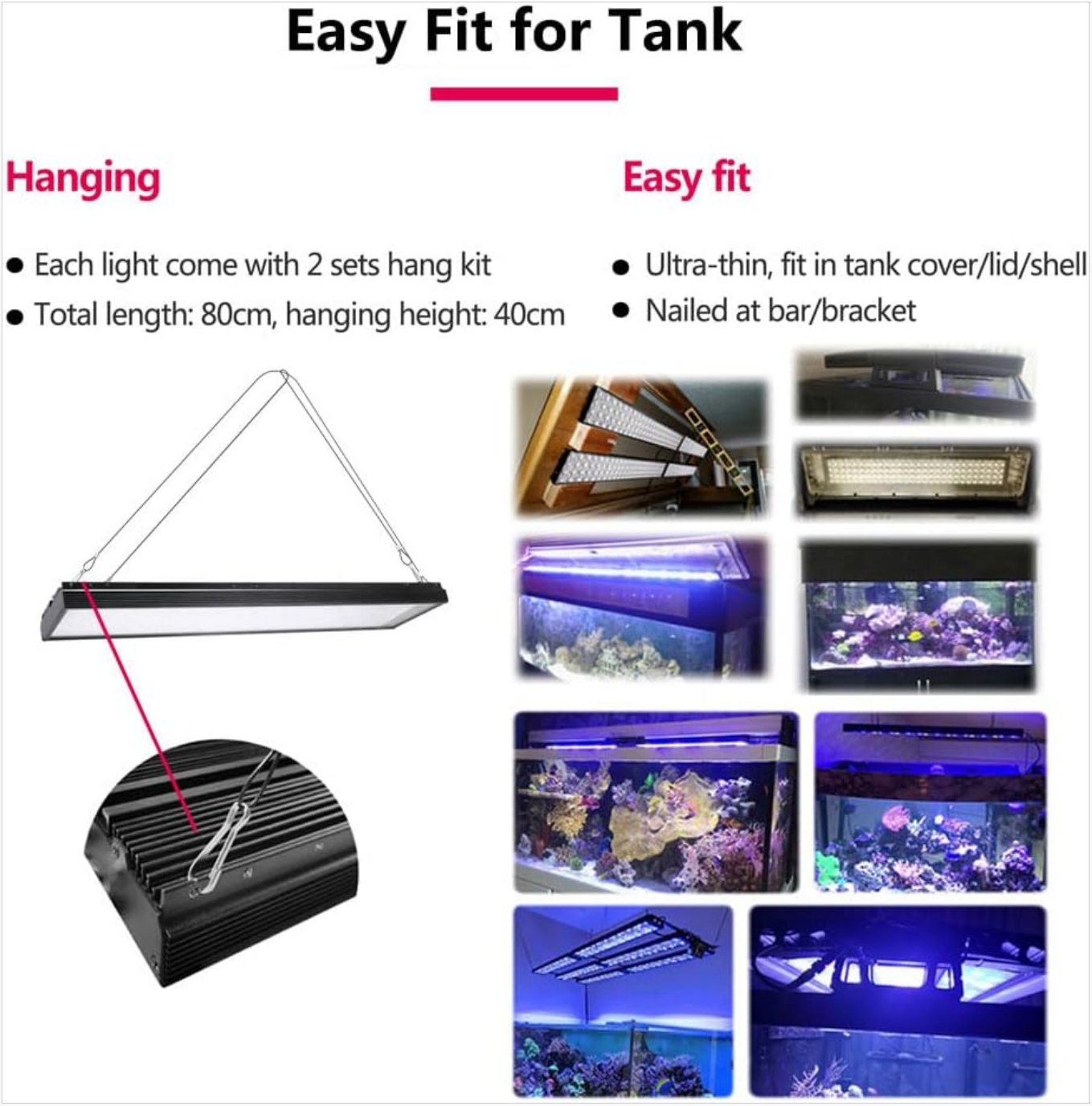


Image: This image illustrates the versatility of the PopBloom Hertz75 light's installation. On the left, the hanging method is shown with a detailed view of the attachment point. On the right, various examples demonstrate how the ultra-thin light can be fitted within existing tank covers or lids.

## 2. Power Connection

- Connect the power supply to the light panel.
- Plug the power supply into a suitable electrical outlet.

## 3. App Download and WiFi Connection

The Hertz75 features a built-in WiFi control system. To control your light, download the free Tuya SmartLife App or Tuya Smart App.

- Scan the QR code below or search for 'Tuya SmartLife' or 'Tuya Smart' in your device's app store (available on iOS and Android).
- Follow the in-app instructions to register an account and add your Hertz75 light. Ensure your mobile device is connected to a 2.4GHz WiFi network during the initial setup.

Image: This image displays QR codes for downloading the Smart Life and Tuya Smart applications, compatible with both Apple App Store and Google Play. It also features visuals of natural lighting simulations, highlighting the app's capability to mimic sunrise and sunset cycles.

Download the app here: Tuya SmartLife or Tuya Smart

## 4. Linking Multiple Lights (Grouping)

The app allows for linkage control of multiple Hertz75 lights. Refer to the app's specific grouping features for detailed instructions on how to synchronize or control multiple units simultaneously.




Image: This image illustrates the WiFi Smart Control capabilities of the PopBloom Hertz75. Multiple smartphone screens show the app interface, highlighting features such as built-in WiFi for a steady signal, the ability to group up to 10 lights, and convenient app control from any location.

## Operating Instructions

The PopBloom Hertz75 features a comprehensive app interface for precise control over your aquarium lighting.

## 1. Channel Control

The light features four independent channels, allowing for fine-tuned spectrum customization:

- **Channel 1:** 12000K White
- **Channel 2:** Moonlight
- **Channel 3:** REEF GROW Blue
- **Channel 4:** Vivid Color

Each channel's brightness can be adjusted from 0% to 100% separately via the app. This allows you to simulate natural light conditions and achieve the best balance for your corals and fish.

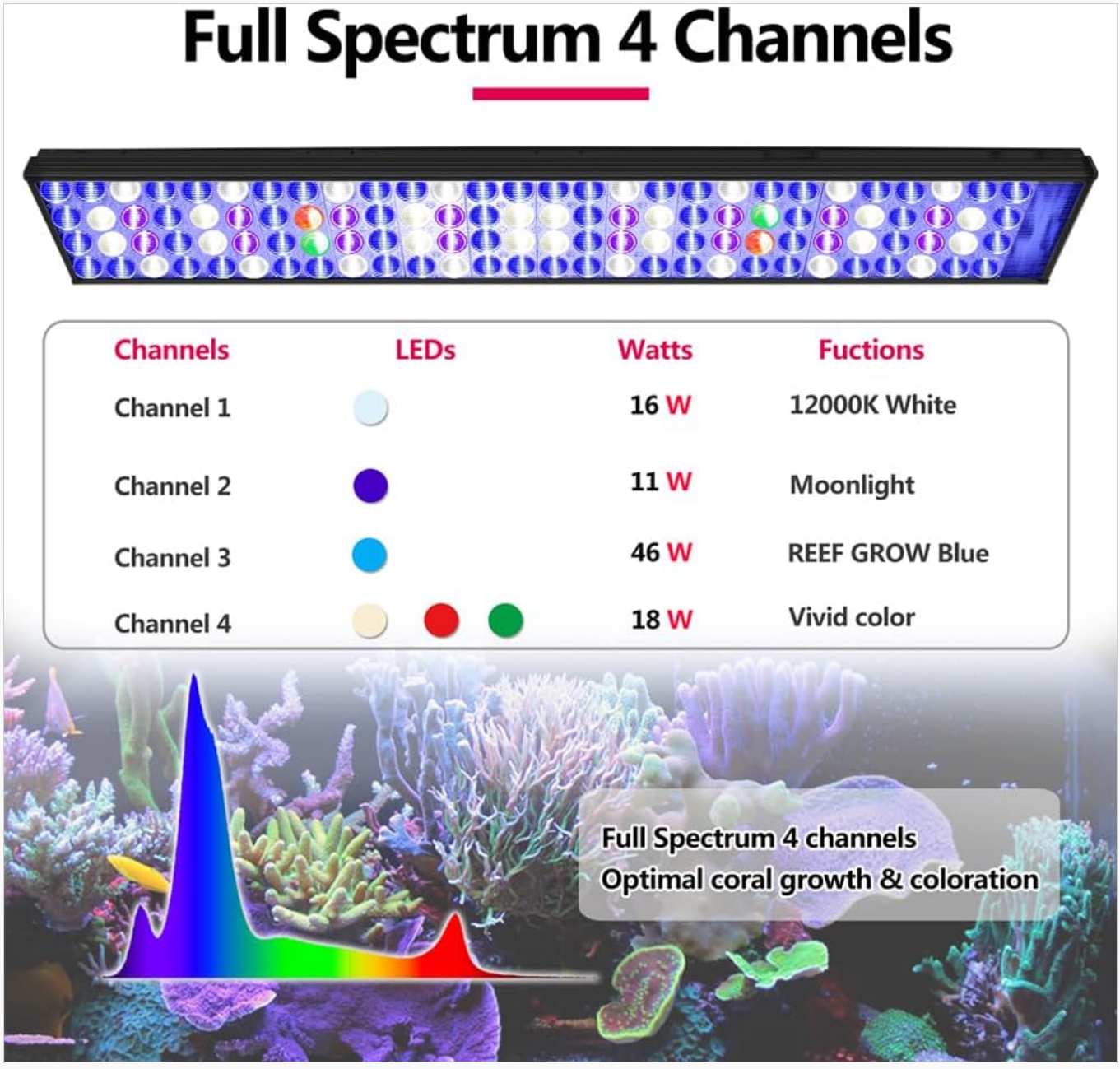


Image: This diagram provides a detailed breakdown of the PopBloom Hertz75's four full spectrum channels. It lists the LED types, wattage, and specific functions for each channel (12000K White, Moonlight, REEF GROW Blue, Vivid Color), accompanied by a spectral distribution graph to illustrate the light output.

## 2. Natural Light Simulation (Sunrise & Sunset)

The app allows you to program an infinite gradient of sunrise and sunset effects, simulating natural lighting cycles over 24 hours. This feature promotes a healthy environment for your aquatic inhabitants.

### 3. Lunar Cycle

Activate the 29-day lunar cycle feature to simulate natural moon phases, including full moon intensity. Channel 2 (Moonlight) represents the moon's intensity.

### 4. Acclimation Mode

The acclimation schedule allows your corals and fish to gradually adjust to the new lighting intensity. This feature slowly increases the light intensity over a set period, reducing stress on new or sensitive inhabitants.

### 5. Lightning Mode

The lightning mode stimulates the reproduction and vigorous growth of corals by flashing the lights randomly. This mode runs for at least 10 minutes before returning to the programmed schedule.

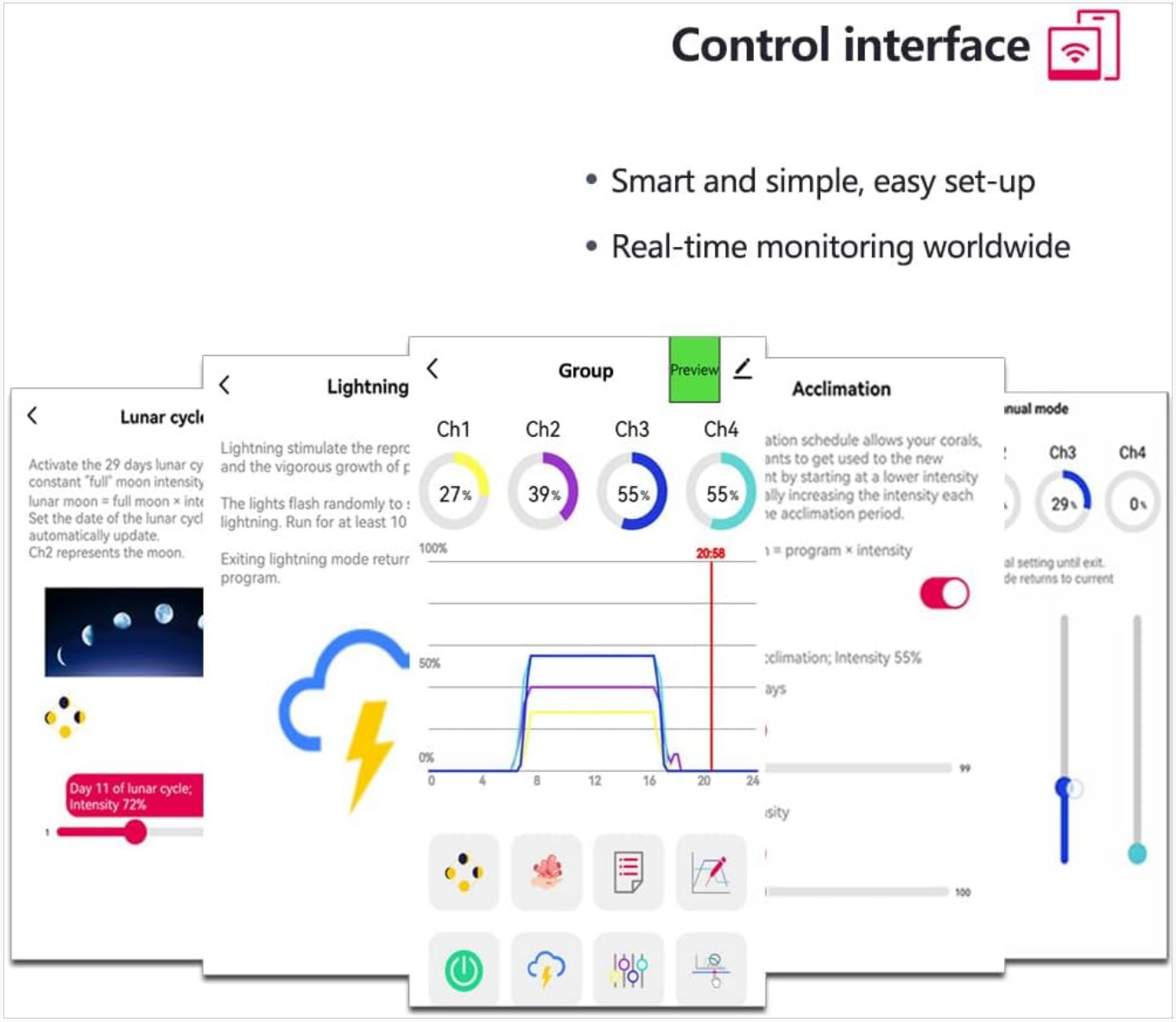


Image: This image displays various screens from the PopBloom app's control interface. It highlights features such as the Lunar cycle simulation, Lightning mode, Group control for multiple lights, and an Acclimation mode with adjustable intensity graphs and sliders for precise light management.

## Maintenance

- **Cleaning:** Regularly wipe the light panel and lens with a soft, dry cloth to remove dust and salt creep. Ensure the light is unplugged before cleaning. Do not use abrasive cleaners or solvents.

- **Heat Dissipation:** The Hertz75 features a fanless design with an aluminum alloy metal shell for efficient heat dissipation. Ensure adequate airflow around the unit to prevent overheating. Do not obstruct the heat sinks.
- **Lens Protection:** The PMMA lens provides protection and helps light reach wider and deeper into the tank. Avoid scratching the lens.

## Troubleshooting

| Problem | Possible Cause | Solution |
|---|---|---|
| Light does not turn on. | No power, loose connection, faulty power supply. | Check power plug and outlet. Ensure all connections are secure. Test with another outlet. If problem persists, contact support. |
| Cannot connect to WiFi/App. | Incorrect WiFi password, 5GHz network, distance from router, app error. | Ensure you are on a 2.4GHz WiFi network. Double-check password. Move closer to router. Restart light and app. Re-attempt pairing process. |
| Light intensity is too low/high. | App settings, acclimation mode active. | Adjust channel brightness settings in the app. Check if acclimation mode is active and adjust as needed. |
| Light flickers or behaves erratically. | Unstable power, software glitch. | Unplug the light for 30 seconds and plug it back in. Ensure power supply is stable. Update app to the latest version. |

## Specifications

- **Model Name:** Hertz75 lighting for saltwater reef aquarium
- **Light Size:** 29.5 inches (75 cm) length, 4.7 inches (12 cm) width, 1.4 inches (3.6 cm) thickness
- **Wattage:** 90 Watts (Energy Efficient)
- **LEDs:** 112PCS matrix light beads
- **Lens:** 120-degree glass lens, PMMA lens protection
- **Channels:** 4 programmable channels (Blue, White, Moonlight, Vivid Color)
- **PAR @ Water Surface:** 500 µMol (Peak)
- **PAR @ 24" Depth:** 140 µMol (Peak)
- **Max Reach:** 60cm deep into tank
- **Control Method:** WiFi via Tuya SmartLife App / Tuya Smart App
- **Material:** Aluminum alloy metal shell
- **Cooling:** Fanless design
- **Recommended Tank Size (2 units):** 150-200 cm (72 inches / 6 ft) marine reef coral tank
- **Mounting Type:** Hanging (kit included)

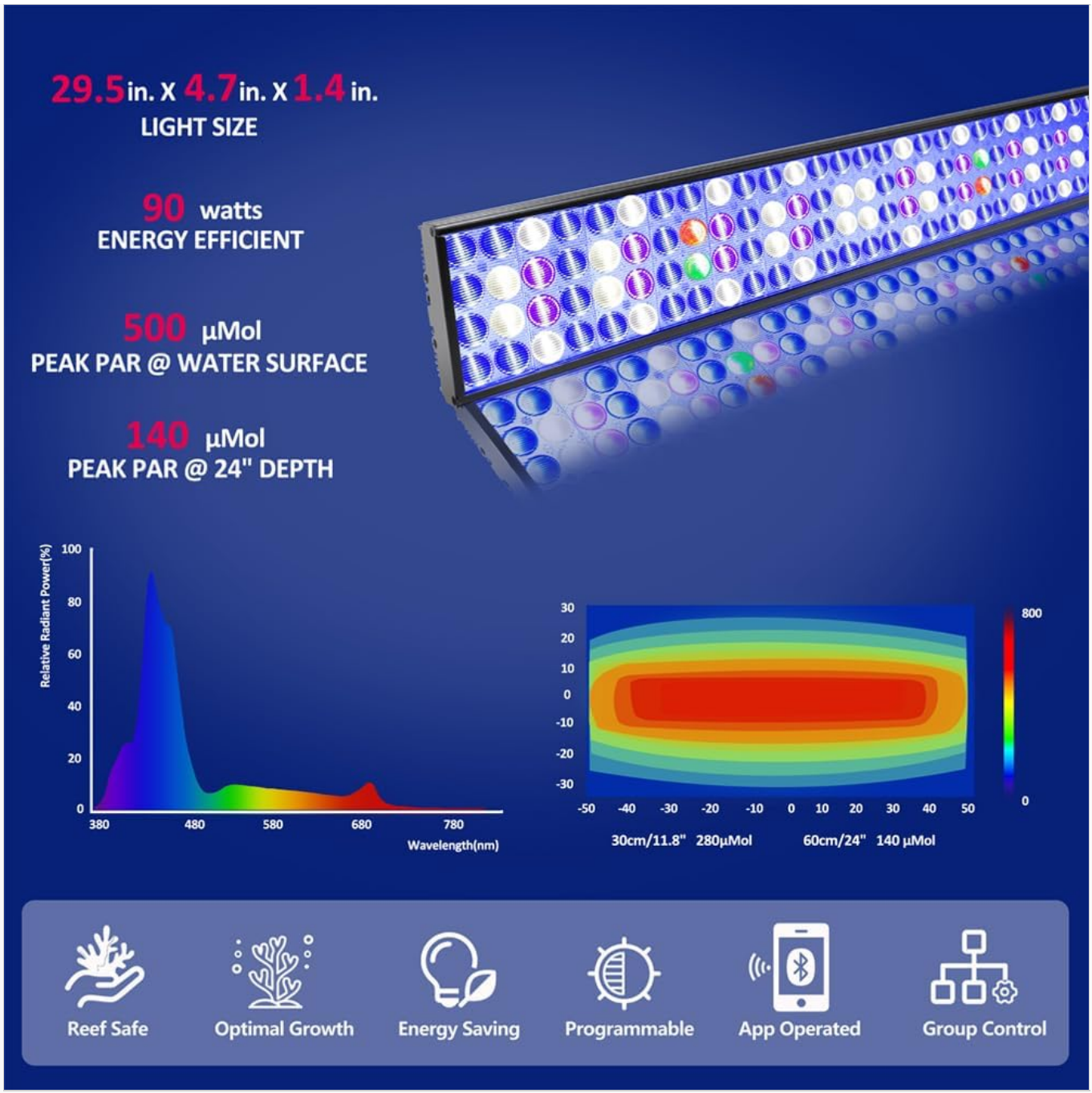


Image: This graphic provides key specifications for the PopBloom Hertz75, including its physical dimensions (29.5 in. x 4.7 in. x 1.4 in.), power consumption (90 watts), and light output (500 µMol PAR at water surface, 140 µMol PAR at 24" depth). It also highlights core features such as being reef safe, promoting optimal growth, energy efficiency, programmability, app operation, and group control.




Image: This image details the physical attributes of the PopBloom Hertz75, specifically its 75cm (29.5 inch) length and ultra-thin 3.6cm (1.4 inch) profile. It also visually demonstrates how the light can be discreetly fitted into various aquarium covers or lids.

## Warranty and Support

PopBloom is committed to providing high-quality products and customer satisfaction. Your Hertz75 lighting system comes with a manufacturer's warranty. For specific warranty details and duration, please refer to the warranty card included in your package or contact PopBloom customer service.
For technical support, troubleshooting assistance, or any inquiries regarding your product, please contact PopBloom customer support through the official channels provided on the product packaging or the PopBloom website. Our team is dedicated to helping you achieve the perfect aquarium setup and resolving any issues you may encounter.
Protection plans may also be available for extended coverage:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly plan)

Note: Availability and terms of protection plans may vary and are typically offered by third-party providers. Please review their terms and conditions carefully.

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