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> ZETLIGHT Qmaven Q6 Marine Lamp User Manual (Q6-90 170W)

## ZETLIGHT Q6-90

# ZETLIGHT Qmaven Q6 Marine Lamp User Manual

Model: Q6-90 170W

## 1. INTRODUCTION

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Thank you for choosing the ZETLIGHT Qmaven Q6 Marine Lamp. This advanced LED lighting system is designed to provide optimal light conditions for marine aquariums, supporting the growth and vibrancy of corals (LPS/SPS) and fish. Featuring WiFi control, sunrise/sunset simulation, and a fanless cooling design, the Qmaven Q6 offers a sophisticated and user-friendly experience. This manual provides essential information for the proper installation, operation, and maintenance of your marine lamp.



An overhead view of the ZETLIGHT Qmaven Q6 marine lamp, highlighting its sleek design and the 'Qmaven II' branding.

## 2. PRODUCT OVERVIEW

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### 2.1 Models Available

The ZETLIGHT Qmaven Q6 series is available in three models, each designed for different aquarium sizes and power requirements:

- **Q6-60:** 95W
- **Q6-90:** 170W (Current Model)
- **Q6-120:** 220W



Comparison of the three Qmaven Q6 models: Q6-60 (95W), Q6-90 (170W), and Q6-120 (220W), showing their relative sizes.

### 2.2 LED Configuration and Spectrum

Each Qmaven Q6 panel features 56 high-quality LEDs, carefully selected to provide a balanced spectrum for marine life. The LED types include White, Violet, Deep Blue, Royal Blue, Blue, Cool Blue, Green, and Deep Red, ensuring comprehensive light coverage for various coral types and photosynthetic processes.



Detailed view of the 56 LEDs per panel, including white, violet, deep blue, royal blue, blue, cool blue, green, and deep red LEDs, along with a spectral distribution chart.

## 2.3 Cooling and Design

The Qmaven Q6 features a fanless passive cooling design, which ensures silent operation and reduces maintenance requirements. Its ultra-slim profile, measuring only 3cm in thickness, allows for a discreet and modern aesthetic above your aquarium.



Close-up view of the Qmaven Q6's fanless passive cooling fins, designed for quiet operation and reduced maintenance.



Side profile view of the Qmaven Q6, showcasing its ultra-slim design with a thickness of only 3cm.

## 3. SPECIFICATIONS

The following table provides detailed specifications for the ZETLIGHT Qmaven Q6 series:



A table comparing the Q6-60, Q6-90, and Q6-120 models, detailing product model numbers, dimensions, LED panels, control method (WiFi), presets, and recommended aquarium sizes.

Feature	Specification (Q6-90 170W)
Product Dimensions	33.07"D x 10.23"W x 1.15"H (84 x 26 x 3 cm)
Item Weight	6.6 pounds (3 Kilograms)
Lamp Type	LED
Shade Color	Multicolor
Switch Type	Remote (via App)
Style	Modern
Special Feature	Rechargeable (refers to internal clock/settings backup)
Light Source Type	LED
Power Source	Dual-powered (AC adapter)
Number of Light Sources	1 (panel)
Included Components	LED Lights, Power Adapter, Mounting Hardware (Clamp)
Is Waterproof	False (Water Resistant)
Mounting Type	Ceiling Mount (Suspension Kit) / Clamp Mount
Wattage	170 watts
Number of Items	1

Feature	Specification (Q6-90 170W)
Lighting Method	LED
Control Method	Remote (WiFi App)
Indoor/Outdoor Usage	Indoor
Water Resistance Level	Water Resistant
Is Cordless?	Yes (refers to remote control, not power)
Manufacturer	ZETLIGHT

## 4. SETUP AND INSTALLATION

### 4.1 Mounting Options

The ZETLIGHT Qmaven Q6 offers two primary mounting methods:

- Two-Sided Clamp Mount:** This option is suitable for aquariums with glass thickness up to 20mm. It allows for adjustable height (180-400mm) and horizontal positioning (300mm from both sides). Ensure the clamp is securely fastened to prevent accidental detachment.
- Suspension:** A suspension kit (L-shape steel bracket) is available separately for hanging the lamp above the aquarium. This method provides flexibility in adjusting the light's height and position.



Diagrams illustrating two mounting options: a two-sided clamp mount suitable for up to 20mm glass thickness, and a suspension kit (sold separately) for hanging.

### 4.2 Recommended Placement

For optimal coral growth and light distribution, it is recommended to position the Qmaven Q6 approximately 40cm above the corals. The light provides effective coverage from 25cm above the water surface down to 100cm depth.

- Q6-90 (170W):** Proper area for corals is approximately 120cm.



Diagram illustrating the light coverage area for the Q6-90 model, showing dimensions of 25cm above water and 100cm light to bottom.



PAR (Photosynthetically Active Radiation) and coverage chart for the Q6-90 model, indicating optimal placement 40cm above corals for a proper area of 120cm.

## 5. OPERATING INSTRUCTIONS

### 5.1 WiFi Connectivity and App Control

The ZETLIGHT Qmaven Q6 is controlled via WiFi using the **Horizon Aqua Aquarium Control System** app. This app provides an all-in-one control platform for managing your marine lamp settings.

- Download the Horizon Aqua app from the Google Play Store or Apple App Store.

2. Follow the in-app instructions to connect your Qmaven Q6 lamp to your home WiFi network.
3. Once connected, you can access all lighting features and settings through the app.



An overview of the Horizon Aqua Aquarium Control System app, showcasing its various control features for the marine lamp.



Logos for Google Play and the App Store, indicating where to download the Horizon Aqua application.

## 5.2 Lighting Features

- **Sunrise and Sunset Simulation:** The lamp can simulate natural sunrise and sunset cycles, gradually increasing and decreasing light intensity and color temperature to mimic natural conditions, reducing stress on aquarium inhabitants.



Visual representation of the Sunrise and Sunset simulation feature, depicting various natural light conditions.

- **Preset Programs:** The Horizon Aqua app offers 14 different presets, allowing users to easily select optimal lighting conditions tailored to various coral types (e.g., LPS, SPS) or general reef environments.



Screenshots of the Horizon Aqua app interface, showing various light settings and the availability of 14 different presets for easy customization.



A smartphone displaying the Horizon Aqua app, illustrating how users can easily select different settings based on their coral types.

- **Signature Moonlight:** A dedicated moonlight feature provides gentle illumination during nighttime hours, simulating natural lunar cycles and allowing for nocturnal observation without disturbing tank inhabitants.



Close-up view of the Qmaven Q6 light, highlighting its Signature Moonlight feature for nighttime illumination.

## 6. MAINTENANCE

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The ZETLIGHT Qmaven Q6 is designed for low maintenance. Follow these guidelines to ensure longevity and optimal performance:

- **Cleaning:** Regularly wipe the exterior of the lamp with a soft, damp cloth to remove dust, salt creep, or water spots. Ensure the lamp is unplugged before cleaning. Do not use abrasive cleaners or solvents.
- **Fanless Design:** The passive cooling system means there are no fans to clean or replace, contributing to less noise and reduced maintenance. Ensure the cooling fins are not obstructed to allow for proper heat dissipation.
- **Power Connection:** Periodically check the power cable and connections for any signs of wear or damage.

## 7. TROUBLESHOOTING

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If you encounter issues with your ZETLIGHT Qmaven Q6, please refer to the following common troubleshooting

steps:

- **Light Not Turning On:**

- Check if the power adapter is securely plugged into both the lamp and a working power outlet.
- Verify that the power outlet is functional by plugging in another device.

- **WiFi Connection Issues:**

- Ensure your smartphone is connected to a 2.4GHz WiFi network (5GHz networks are often not supported by smart devices).
- Restart the lamp and your router.
- Make sure the lamp is within range of your WiFi router.
- Re-attempt the connection process through the Horizon Aqua app.

- **App Not Responding:**

- Close and reopen the Horizon Aqua app.
- Check for app updates in your device's app store.
- Ensure your device's operating system is up to date.

- **Inconsistent Light Output:**

- Check app settings to ensure no conflicting schedules or manual adjustments are active.
- Verify that the lamp's cooling fins are not obstructed, which could lead to overheating and reduced performance.

If these steps do not resolve the issue, please contact customer support for further assistance.

## **8. WARRANTY AND SUPPORT**

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