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hipargero A036

Aquarium Light – A036 Reef Tank Light User Manual

Model: A036 | Brand: hipargero

1. INTRODUCTION

Thank you for choosing the hipargero A036 Reef Tank Light. This manual provides essential information for the safe and efficient operation of your new aquarium light. The A036 is designed to provide optimal lighting for coral reefs and marine tanks, featuring high-quality LEDs, a professional spectrum, and touch control for dimming.

Please read this manual thoroughly before installation and use, and retain it for future reference.

2. SAFETY INSTRUCTIONS

- Always disconnect the power supply before performing any maintenance or cleaning.
- Do not operate the light if any part is damaged or if the power cord is frayed.
- Ensure the light is securely mounted to prevent it from falling into the aquarium.
- This product is designed for indoor use only. Do not expose to water splashes or excessive humidity.
- Keep out of reach of children and pets.
- Do not attempt to disassemble or modify the light. This will void the warranty.
- Ensure the aquarium glass thickness is less than 1 inch for proper bracket installation.

3. PACKAGE CONTENTS

Please check the package contents upon receipt:

- A036 Aquarium Light Unit
- Adjustable Mounting Bracket
- Power Supply Adapter
- US Plug
- User Manual (this document)

4. PRODUCT OVERVIEW

The hipargero A036 Reef Tank Light features a compact design with powerful LEDs, touch control, and an integrated display. It is engineered to provide a professional spectrum for coral growth and vibrant marine life.



Figure 1: Overview of the A036 Reef Tank Light mounted on an aquarium.

This image displays the A036 Reef Tank Light unit, showcasing its sleek black housing and the adjustable mounting bracket. The light is positioned above an aquarium, illuminating vibrant corals and fish, demonstrating its intended use and aesthetic integration with a marine tank setup.

LED Spectrum and Dimming

The A036 utilizes 5W high-power LEDs in Deep Sea blue, Dark Blue, Sky blue, White, and Violet to mimic a deep-sea environment. It features two dimmable channels with touch control, allowing intensity adjustments from 0% to 100%.

Professional Reef Light

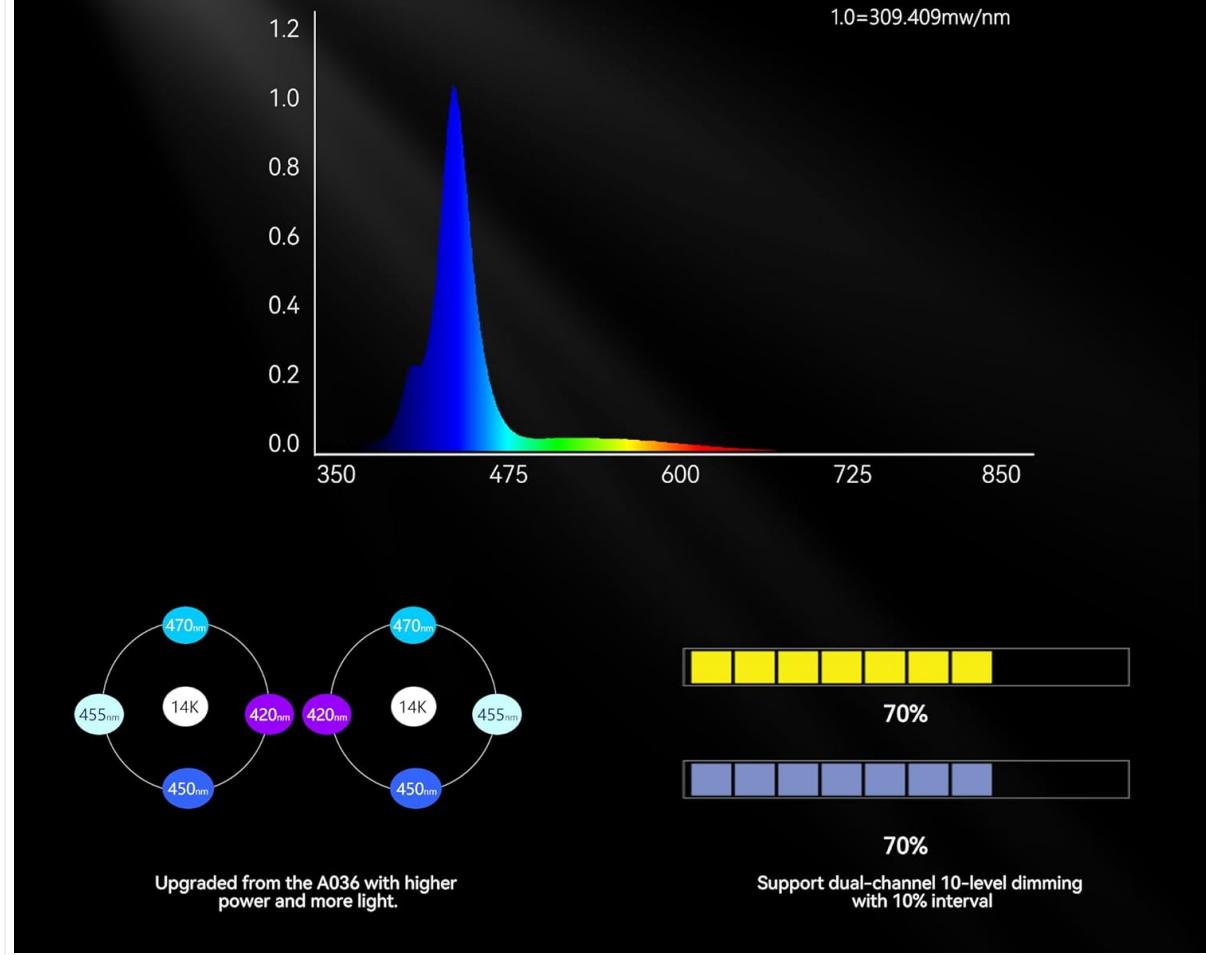


Figure 2: Detailed view of the A036's LED spectrum, layout, and dimming capabilities.

This image illustrates the spectral output of the A036 light, showing a peak in the blue light range crucial for coral health. It also depicts the arrangement of different colored LEDs and the two independent dimming channels, each adjustable up to 70% intensity, highlighting the light's customization options for various marine life requirements.

Lighting System and Timer

The light includes a built-in timer for a 24-hour light cycle with sunrise and sunset functions. Note that this timer is not programmable for custom schedules but provides a steady light stream after initial setup.

Excellent lighting system



Sunrise Sun Sunset

24-hour light cycle.

Note: not programmable



Sunrise and Sunset function

Height:30cm/12in				
1	7	11	4	1
16	170	206	162	9
24	267	356	257	28
15	84	116	66	16
3	8	8	4	2

Cover Area: 4x4 square feet
Average PPFD: 73 umol/m²/s

Height:45cm/18in				
9	35	51	34	7
32	93	113	92	20
51	104	120	112	32
26	81	93	74	12
9	29	34	20	8

Cover Area: 4x4 square feet
Average PPFD: 51 umol/m²/s

Height:60cm/24in				
9	40	57	45	17
32	76	84	78	39
51	77	90	86	44
26	60	73	69	35
9	31	41	35	11

Cover Area: 4x4 square feet
Average PPFD: 48 umol/m²/s

Figure 3: Illustration of the A036's 24-hour lighting cycle and PPFD measurements.

This image demonstrates the A036's integrated 24-hour light cycle, including simulated sunrise and sunset phases. It also presents tables detailing Photosynthetic Photon Flux Density (PPFD) values at different heights (30cm/12in, 45cm/18in, 60cm/24in) and coverage areas, providing data on light intensity distribution for optimal coral growth.

Heat Dissipation

The A036 features an efficient heat dissipation system with a silent high-rotation fan and all-aluminum multi-fin cooling, ensuring optimal operating temperatures and a quiet environment.

Efficient heat dissipation



Figure 4: Exploded view of the A036's heat dissipation components.

This image provides an exploded diagram of the A036 light, highlighting its internal components responsible for heat dissipation. It shows the high-rotation fan and the multi-fin aluminum cooling system, designed to maintain optimal operating temperatures and ensure the longevity of the LED components while keeping noise levels below 40 dB.

5. SETUP AND INSTALLATION

Follow these steps to properly set up your A036 Reef Tank Light:

- 1. Assemble the Bracket:** Attach the adjustable mounting bracket to the light unit. Ensure all screws are tightened securely.
- 2. Mount to Aquarium:** Position the bracket on the edge of your aquarium. The bracket is suitable for aquariums with walls less than 1 inch thick. Adjust the clamp to firmly secure the light to the tank.
- 3. Adjust Height and Distance:** Adjust the height and horizontal distance of the light unit using the bracket's adjustment points. Refer to Figure 5 for typical dimensions.
- 4. Connect Power:** Connect the power supply adapter to the light unit and then plug the US plug into a standard 110V electrical outlet.
- 5. Initial Power On:** The light will power on and begin its default light cycle.

A036 AquaKnight

Antioxidant Adjustable Bracket

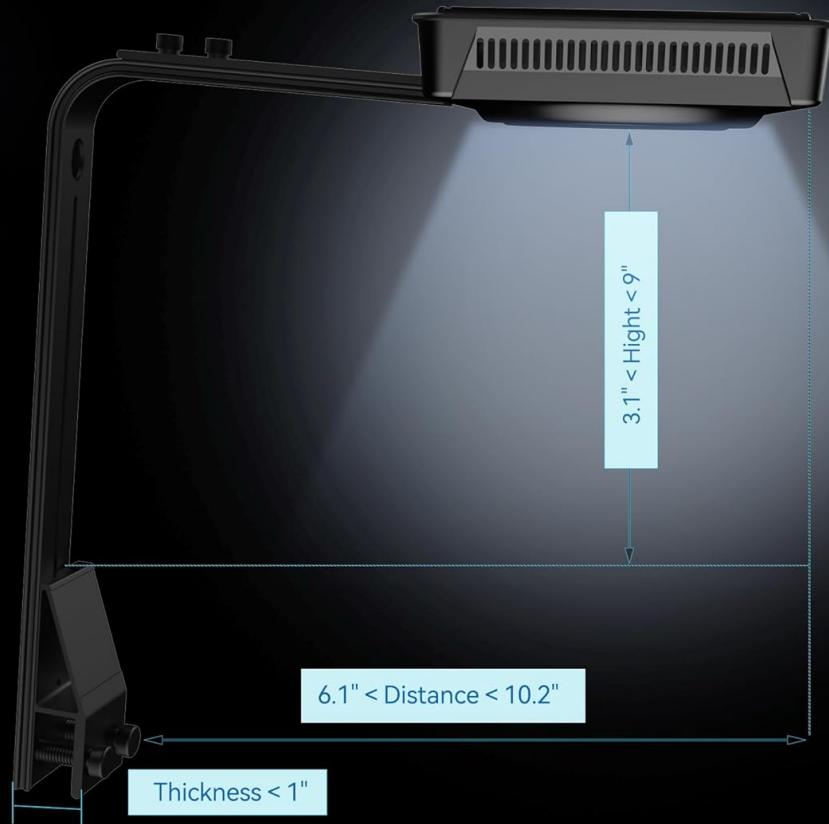


Figure 5: Adjustable bracket dimensions for the A036 AquaKnight.

This image provides a diagram of the A036's adjustable mounting bracket, detailing its dimensions and range of motion. It shows that the bracket can accommodate tank glass thinner than 1 inch, with adjustable height between 3.1 and 9 inches, and a horizontal distance from 6.1 to 10.2 inches, allowing for flexible positioning over various aquarium sizes.

6. OPERATING INSTRUCTIONS

Touch Control

The A036 features touch controls for easy operation. The display screen shows the current time or light intensity settings.

- Dimming Channels:** The light has two independent dimmable channels. Use the touch controls to adjust the intensity of each channel from 0% to 100%.
- Sunrise/Sunset Function:** The light includes a built-in sunrise/sunset function. After power-on, a 30-minute sunrise sequence will occur, gradually increasing brightness. Similarly, a sunset sequence will occur before turning off.
- Built-in Timer:** The A036 has a built-in timer that provides a steady stream of light after setting the

light cycle. It is not a programmable timer, meaning you cannot set custom on/off times. The light will run for a set duration and then turn off, turning back on at the same time the next day.

Setting the Light Cycle

To set the light cycle, simply plug in the light at your desired start time. For example, if you want the light to turn on at 8 AM and run for 9 hours, connect power at 8 AM. The light will then operate for 9 hours, turn off, and automatically turn on again at 8 AM the following day.

7. MAINTENANCE

- Cleaning:** Regularly wipe the light unit and lens with a soft, dry cloth. Do not use abrasive cleaners or immerse the unit in water. Ensure the light is unplugged before cleaning.
- Fan Maintenance:** The integrated fan is designed for silent operation and efficient heat dissipation. Ensure the fan vents are not obstructed to maintain proper airflow. The fan runs continuously when the light is on to prevent overheating.
- Bracket Check:** Periodically check the mounting bracket to ensure it remains securely attached to the aquarium.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty power adapter.	Check power outlet, ensure all connections are secure. Test with another outlet. Contact support if issues persist.
Light turns off quickly outside working hours.	Normal operation for non-working hours.	This is normal. To extend working times, adjust the initial power-on time to set a longer desired light cycle.
Dimming not working.	Incorrect touch input, internal issue.	Ensure clean and direct touch on the control panel. If problem persists, reset power by unplugging and replugging.
Fan noise is excessive.	Obstruction in fan, fan malfunction.	Ensure fan vents are clear. The fan operates below 40 dB(A). If noise is unusually loud, contact support.

9. SPECIFICATIONS

Feature	Detail
Model Number	A036
Brand	hipargero
Wattage	36 Watts
Voltage	110 Volts

Feature	Detail
Light Source Type	Light Emitting Diode (LED)
Color Temperature	14000 Kelvin
Color Rendering Index (CRI)	85
Bulb Features	Dimmable (Two Channels)
Switch Style	Touch Control
Product Dimensions	11.8" L x 9.25" W x 2.4" H
Item Weight	2.16 pounds
Material	Aluminum, Plastic
Mounting Type	Table Mount (Adjustable Bracket)
Included Components	Aquarium light, bracket, power supply, US plug

10. WARRANTY AND SUPPORT

The hipargero A036 Aqua Knight LED aquarium light comes with a one-year quality assurance warranty from the date of purchase. Additionally, a 30-day free return policy is provided.

For any questions, technical assistance, or warranty claims, please contact hipargero customer support. Inquiries will be replied to within 24 hours.

For more information, you may visit the official hipargero store:[hipargero Store](#).