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› Tunze Refugio Eco Chic 8831 LED Instruction Manual

## Tunze 8831

# Tunze Refugio Eco Chic 8831 LED Instruction Manual

Model: 8831

## INTRODUCTION

The Tunze Refugio Eco Chic 8831 LED is a submersible and waterproof LED light specifically designed for optimal macroalgae cultivation in aquarium refugiums. This manual provides essential information for the safe installation, operation, and maintenance of your device, ensuring its longevity and effective performance.

## SETUP

The Tunze Refugio Eco Chic 8831 LED comes equipped with a magnetic holder for straightforward installation. Follow these steps for proper setup:

1. **Placement:** Position the light within your refugium or sump. The unit is fully submersible and waterproof, allowing for flexible placement either submerged or above the water line.
2. **Mounting:** Utilize the provided magnetic holder to securely attach the light to the glass wall of your aquarium or sump. Ensure the magnetic connection is firm.
3. **Power Connection:** Connect the power cable to a suitable electrical outlet. Ensure the cable is routed safely to prevent damage or entanglement.



Image: Tunze Refugio Eco Chic 8831 LED with its magnetic mount, viewed from above, showing the 'Made in Germany' inscription. This image illustrates the light unit and its mounting mechanism.



Image: Close-up of the magnetic mount for the Tunze Refugio Eco Chic 8831 LED, attached to a glass surface. This image details how the magnetic holder secures the light.

## OPERATING INSTRUCTIONS

The Tunze Refugio Eco Chic 8831 LED is designed for continuous operation to support macroalgae growth. It features an energy-efficient, full-spectrum LED light source optimized for photosynthesis.

- **Power On/Off:** The light is controlled via a remote switch. Activate the switch to turn the unit on or off.
- **Photoperiod:** Ensure the light is powered on during the desired photoperiod for your macroalgae. Typical refugium photoperiods range from 12 to 24 hours, often set opposite to the main display tank's lighting cycle to help stabilize pH.
- **Light Spectrum:** The 8831 model provides a purple spectrum, which is highly effective for promoting the growth of various macroalgae species.



Image: Tunze Refugio Eco Chic 8831 LED installed in an aquarium refugium, illuminating macroalgae. This image demonstrates the light in an operational setting.



Image: Tunze Refugio Eco Chic 8831 LED light, showing the purple spectrum. This image highlights the specific light output color.

## MAINTENANCE

Regular maintenance of your Tunze Refugio Eco Chic 8831 LED is crucial for maintaining optimal light output and ensuring the health of your macroalgae.

- **Cleaning:** Gently wipe the light surface with a soft, non-abrasive cloth to remove any algae, mineral deposits, or debris. Disconnect the power supply before performing any cleaning.
- **Inspection:** Periodically inspect the power cable and the light unit for any signs of wear, damage, or corrosion. If any damage is observed, discontinue use and contact customer support.
- **Water Quality:** While the unit is waterproof, maintaining good water quality in your refugium will help prevent excessive buildup on the light surface.

## TROUBLESHOOTING

If you encounter issues with your Tunze Refugio Eco Chic 8831 LED, refer to the following common problems and solutions:

- **Light Does Not Turn On:**

- Check if the power cable is securely plugged into the electrical outlet.
- Ensure the remote switch is in the 'ON' position.
- Verify that the power outlet is functional by testing it with another device.

- **Insufficient Macroalgae Growth:**

- Confirm the light's placement is optimal for the macroalgae species being cultivated.
- Adjust the photoperiod duration; some macroalgae require longer light cycles.
- Ensure the light surface is clean and free of any obstructions that might reduce light penetration.
- Check water parameters (e.g., nitrates, phosphates) in the refugium; extremely low nutrient levels can hinder algae growth.

- **Visible Damage or Malfunction:**

- Immediately disconnect the power supply.
- Do not attempt to repair the unit yourself. Contact Tunze customer support for assistance.

## SPECIFICATIONS

<b>Brand</b>	Tunze
<b>Model Number</b>	8831
<b>Light Source</b>	LED
<b>Wattage</b>	9 watts
<b>Voltage</b>	115 Volts
<b>Special Features</b>	Energy efficient, Full spectrum, Submersible, Waterproof
<b>Dimensions (D x W x H)</b>	25mm x 25mm x 18mm
<b>Control Method</b>	Remote control
<b>Mounting Type</b>	Surface mount (Magnetic holder)
<b>Material</b>	Glass (light tube), Resins (base/shade)
<b>Recommended Use</b>	Plant growth, Aquarium, Macroalgae cultivation
<b>Origin</b>	Made in Germany

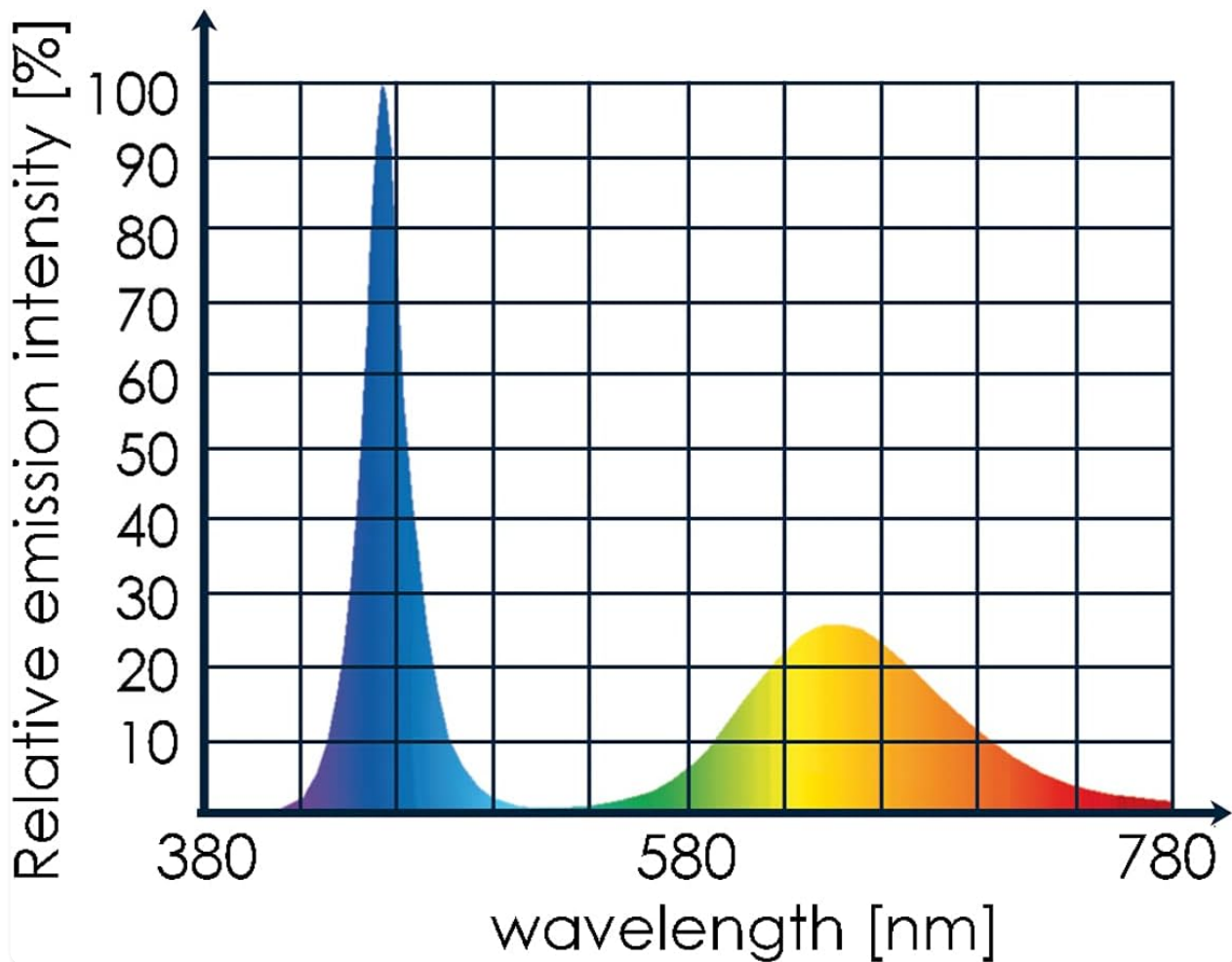


Image: Spectral graph for the Tunze Refugio Eco Chic 8831 LED, showing relative emission intensity across wavelengths. This graph illustrates the light spectrum produced by the unit.

## WARRANTY

The Tunze Refugio Eco Chic 8831 LED is covered by a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the documentation included with your product or contact Tunze customer service.

## SUPPORT

For further assistance, technical support, or inquiries regarding your Tunze Refugio Eco Chic 8831 LED, please contact Tunze customer service. You can typically find contact information on the official Tunze website or through your authorized dealer.

When contacting support, please have your product model number (8831) and proof of purchase readily available.

