

## REPTITRIP UVL207-A

# REPTITRIP 27-Inch LED UVB Reptile Light Instruction Manual

Model: UVL207-A

## 1. INTRODUCTION

Thank you for choosing the REPTITRIP 27-Inch LED UVB Reptile Light. This 22W aluminum UVA UVB lamp with a controller is designed to provide essential lighting for your reptiles, including turtles, snakes, and bearded dragons. It features dimming capabilities and four UVI modes to simulate natural light cycles, operating at a 6500K color temperature. Proper UVB and UVA exposure is crucial for reptile health, aiding in calcium absorption and preventing bone deformities. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and the well-being of your pets.

## 2. SAFETY INSTRUCTIONS

- Always ensure the power supply is disconnected before installation, cleaning, or maintenance.
- Do not look directly into the UV light source. Prolonged direct exposure to UV light can be harmful to human and animal eyes.
- This product is designed for indoor use only within reptile enclosures. Do not use it in wet environments or outdoors.
- Keep the light fixture and controller away from water and excessive humidity.
- Ensure all connections are secure and properly insulated to prevent electrical hazards.
- The LED light emits cool white light and does not generate significant physical heat. If heating is required for your reptile, use it in conjunction with a separate reptile heating pad or heating lamp.
- For accurate UVB data, use professional equipment. UVB cards may not provide precise results.

## 3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- REPTITRIP LED UVB Light Fixture (27-Inch)
- Integrated Controller
- Mounting Brackets
- Mounting Accessories (screws, adhesive pads, etc.)

## 4. PRODUCT FEATURES

- **Reptile-Friendly Lighting:** Provides essential UVB and UVA spectrums, mimicking natural sunlight to support calcium absorption and prevent metabolic bone disease.
- **Energy Efficient:** Utilizes high-efficiency LED and UV beads for low power consumption (22W) and high luminous efficiency, with a cool white light of 6500K.
- **Multi-Mode Controller:** Features four preset light modes (M1/M2/M3/M4) to adapt to various environmental needs and Ferguson zones (1-4). A manual mode (M0) allows for customized light intensity.
- **Durable Construction:** Made from aluminum alloy for enhanced heat dissipation and a projected lifespan of over 7,000 hours.
- **Versatile Installation:** Can be mounted on tank mesh, hung inside with included brackets, or suspended from a wooden board.
- **Sunrise/Sunset Simulation:** The controller automatically adjusts light and UV intensity to simulate natural day-night cycles.

## 5. SETUP AND INSTALLATION

The REPTITRIP LED UVB light offers flexible installation options to suit various reptile enclosures.

1. **Choose Mounting Location:** Determine the best placement for your light based on your enclosure type and reptile's needs. Common options include:
  - **Above the Ventilation Mesh:** Place the light directly on top of the mesh lid.
  - **Underneath the Ventilation Mesh:** Use the included brackets to hang the light inside the enclosure, just below the mesh.
  - **Suspended from Wooden Boards:** Secure the light to a wooden surface above the enclosure using appropriate fasteners.
2. **Attach Brackets:** Secure the mounting brackets to the light fixture using the provided screws.
3. **Install Light:** Position the light in your chosen location and secure it using the appropriate mounting accessories. Ensure the light is stable and cannot fall into the enclosure.
4. **Connect Power:** Plug the controller into a standard 120V power outlet.

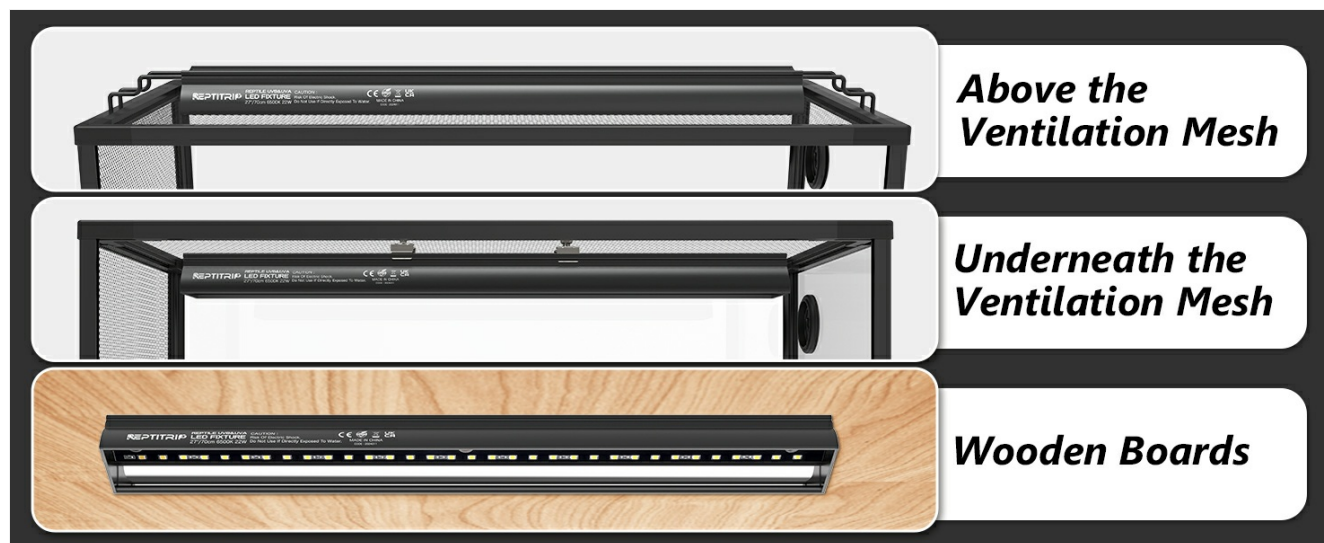


Figure 5.1: Various installation methods for the light fixture.

## 6. OPERATING INSTRUCTIONS

The integrated controller allows for easy adjustment of light modes and intensity.



Figure 6.1: REPTITRIP LED UVB Light Controller.

The controller features a display for time and light intensity, along with buttons for mode selection (M0-M4), adjustment (+/-), SET, and OK.

## 6.2 Setting Time and Modes

1. **Power On:** Plug the light into a power source. The display will illuminate.
2. **Set Current Time:** Press the 'SET' button. Use the '+' and '-' buttons to adjust the hour, then press 'SET' again to move to minutes. Repeat to set minutes. Press 'OK' to confirm.
3. **Select Operating Mode:** The controller offers five modes:
  - **M0 (Manual Mode):** Allows you to manually set the light intensity. Use '+' and '-' to adjust the percentage of light output.
  - **M1, M2, M3, M4 (Automatic Modes):** These modes simulate natural sunrise and sunset cycles with varying light intensity profiles throughout a 24-hour period, corresponding to different Ferguson zones (1-4). Select the mode appropriate for your reptile species.

4. **Activate Mode:** Once your desired mode (M0, M1, M2, M3, or M4) is selected, press 'OK' to activate it. The light will now operate according to the chosen settings.

6.3 Night Light Brightness Adjustment

To set the night light brightness to 0% in M1/M2/M3/M4 modes, press and hold both the "+" and "-" buttons simultaneously on the controller.

6.4 Understanding Automatic Modes (M1-M4)

These modes automatically adjust light and UV intensity to simulate a natural day-night cycle, promoting healthy behavior in reptiles. Each mode corresponds to different UVI requirements (Ferguson Zones).

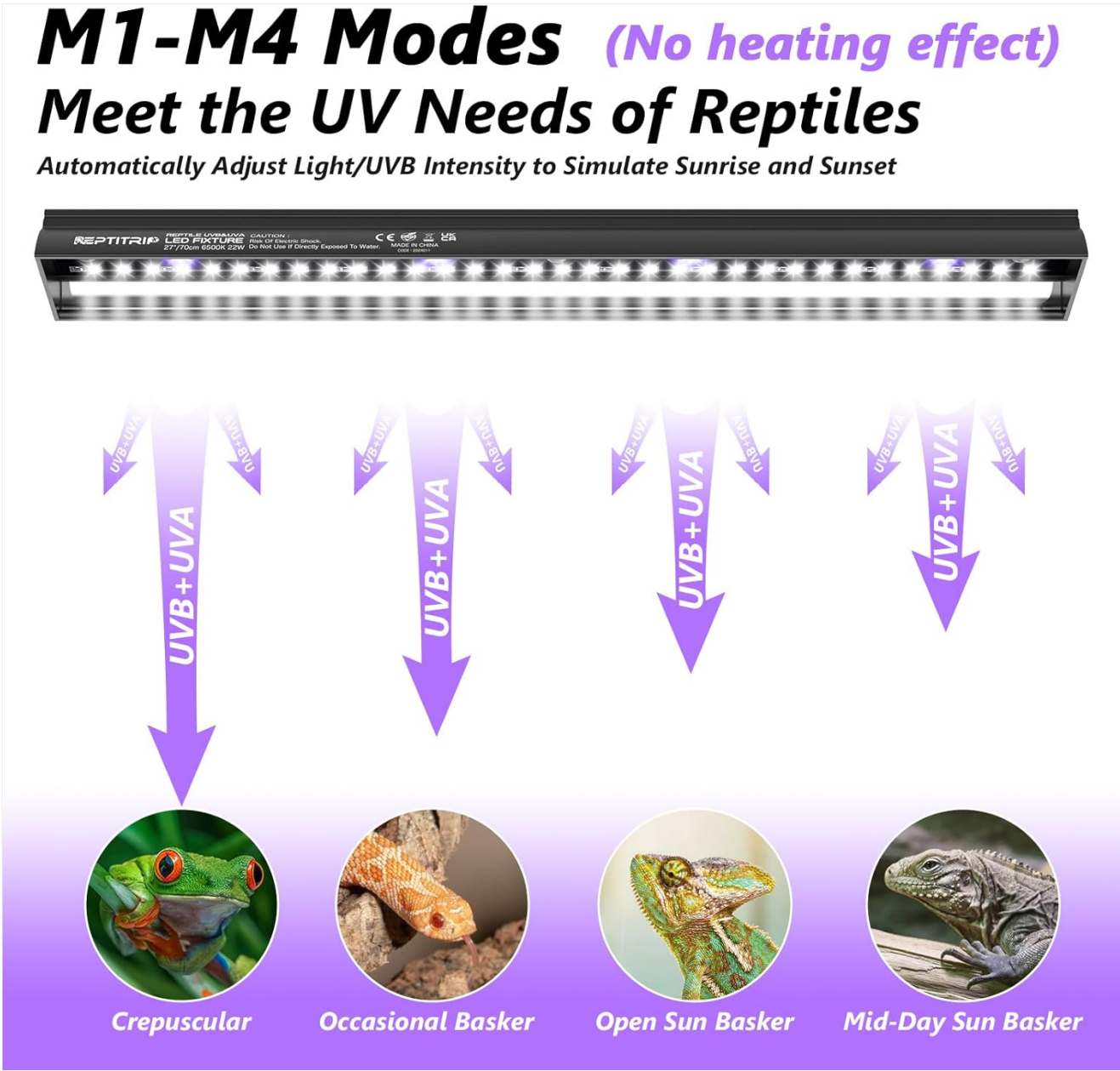


Figure 6.2: M1-M4 Modes and their suitability for different reptile basking behaviors.



Distance  
**200-300mm**

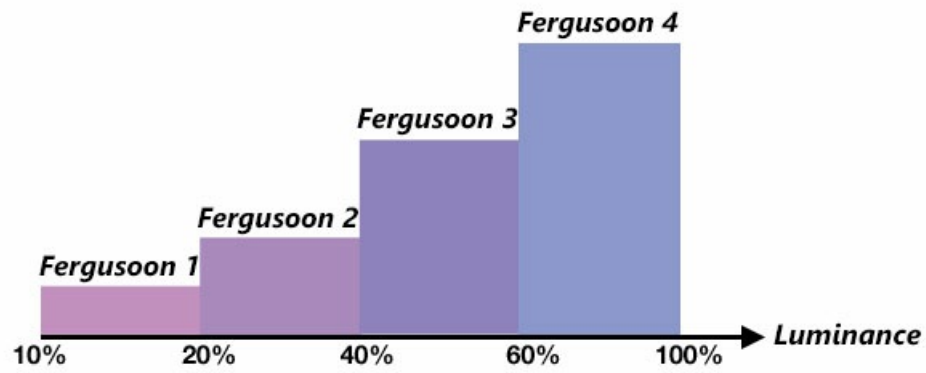


Figure 6.3: M1 Mode 24-Hour Timer Program.

Distance  
**300-400mm**

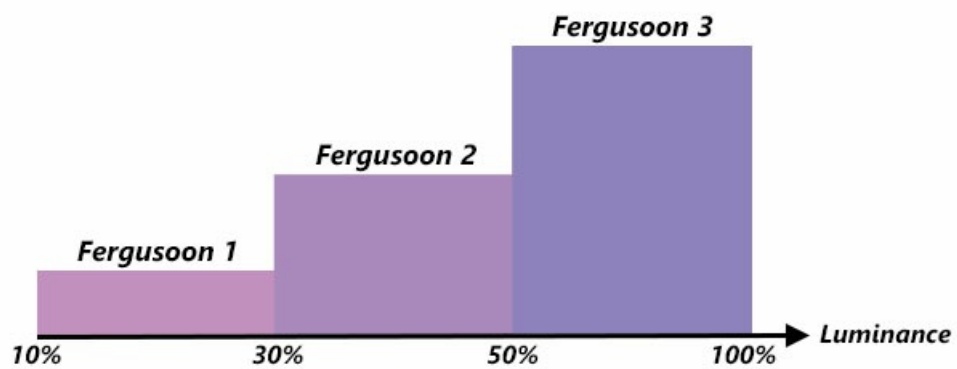


Figure 6.4: M2 Mode 24-Hour Timer Program.



Figure 6.5: M3 Mode 24-Hour Timer Program.



Figure 6.6: M4 Mode 24-Hour Timer Program.

## 6.5 Ferguson Zones and Luminance

The light's output can be adjusted to match different Ferguson Zones, which categorize reptiles based on their natural UV exposure needs. The luminance charts below provide guidance for optimal UVI levels at various distances.



Figure 6.7: Ferguson Zone Luminance (200-300mm Distance).





Figure 6.8: Ferguson Zone Luminance (300-400mm Distance).

## 7. MAINTENANCE

- **Cleaning:** Regularly wipe the light fixture with a soft, dry cloth to remove dust and debris. Ensure the light is unplugged before cleaning. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the power cord and connections for any signs of damage. If any damage is found, discontinue use and contact customer support.
- **Bulb Replacement:** This LED fixture has a long lifespan of over 7,000 hours and does not require bulb replacement.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty outlet.	Check power plug and outlet. Ensure all connections are secure. Try a different outlet.
Controller display is blank or unresponsive.	Power interruption, controller malfunction.	Unplug and re-plug the unit. If the issue persists, contact customer support.
Light settings reset after power outage.	Controller does not have memory function for power interruptions.	Re-set the time and desired operating mode after a power outage.

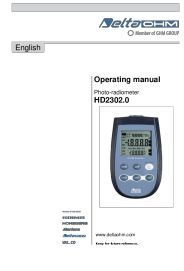
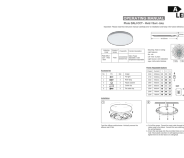
Problem	Possible Cause	Solution
Concern about UVB output.	Inaccurate measurement with non-professional tools.	Use professional UVB meters for accurate readings. UVB cards are not reliable for precise data.

## 9. SPECIFICATIONS

Feature	Specification
Brand	REPTITRIP
Model Name	UVL207-A
Light Type	LED (UVB, UVA, Visible Light)
Wattage	22 Watts
Voltage	120 Volts
Color Temperature	6500 Kelvin (Daylight White)
Material	Aluminum
Control Method	Touch (Integrated Controller)
Average Life	7000 Hours
Item Weight	2 pounds
Dimensions	27.5 inches (length) x 1.9 inches (width) x 1 inch (height)
Included Components	LED UVB Light, Brackets, Mounting Accessories

## 10. WARRANTY AND SUPPORT

REPTITRIP products are manufactured to high-quality standards. For warranty information, technical support, or any questions regarding your REPTITRIP LED UVB Reptile Light, please refer to the contact information provided with your purchase or visit the official REPTITRIP website. Please retain your proof of purchase for warranty claims.

 <p>Our service is friendly and hassle-free support@reptitrip.net</p>	<p><a href="#">ReptiTrip Digital Temp-Time Controller User Manual</a></p> <p>User manual for the ReptiTrip Digital Temp-Time Controller (SOP24), detailing its features, specifications, setup, programming, and warranty information. This device is a dual-relay output temperature controller suitable for various applications like aquariums, pet breeding, and incubation.</p>
	<p><a href="#">Assembly &amp; Installation Instructions for Darkaway Outdoor Lamp Fixture with Remote Control</a></p> <p>Detailed guide for assembling and installing the Darkaway Outdoor Lamp Post Fixture. Includes step-by-step instructions, safety warnings, California Proposition 65 information, and a user guide for the remote control. Features a complete parts list.</p>
	<p><a href="#">Delta OHM HD2302.0 Photo-radiometer Operating Manual</a></p> <p>Comprehensive operating manual for the Delta OHM HD2302.0 Photo-radiometer, detailing its features, functions, probes, technical specifications, safety instructions, and ordering codes.</p>
	<p><a href="#">Kastlite LED-8038X345X-A Bollard Retrofit Lamp Installation Guide</a></p> <p>Comprehensive installation and user guide for the Kastlite LED-8038X345X-A bollard retrofit LED lamp. Details include safety warnings, installation requirements, step-by-step instructions, and wiring diagrams for 14W LED lamps.</p>
	<p><a href="#">Pluto DALI CCT LED Lighting Fixture Operating Manual</a></p> <p>Official operating manual for the A LED Pluto DALI CCT LED lighting fixture, detailing installation, wiring, and maintenance. Features DALI control, adjustable color temperature, and LED SMD2835 light source.</p>
	<p><a href="#">RAB EZPAN Field-Adjustable LED Fixture Installation Guide</a></p> <p>Comprehensive installation, wiring, and adjustment guide for RAB EZPAN field-adjustable LED lighting fixtures, including Lightcloud Blue and battery backup options. Covers recessed ceiling mounting, field adjustments for CCT and wattage, 0-10V dimming, Lightcloud Blue setup, micro sensor integration, and battery backup model operation and troubleshooting.</p>