

## REPTITRIP UVL210

# REPTITRIP 39-INCH LED UVB Light for Reptiles

Model: UVL210

LED Reptile Light Fixture Controller with Dimming and 4 UVI Modes

## 1. PRODUCT OVERVIEW

The REPTITRIP 39-INCH LED UVB Light is designed to provide essential UVA and UVB light for reptiles, mimicking natural sunlight without harmful rays. This 27W fixture features high-efficiency LED and UV beads, offering energy-efficient lighting with a cool white light of 6500K. It includes a controller that allows for dimming and offers four pre-set UVI modes (M1-M4) to cater to various reptile species' needs, covering Ferguson zones 1-4. A manual mode (M0) is also available for customized light intensity. Constructed from durable aluminum alloy, this light ensures efficient heat dissipation and a long service life of over 7,000 hours. It is designed for versatile installation within reptile enclosures.



Image 1.1: The REPTITRIP 39-inch LED UVB Light fixture and its integrated controller.

## Key Features:

- Provides essential UVA and UVB light for calcium absorption and bone health.
- Energy-efficient 27W design with 6500K cool white light.
- Integrated controller with 4 UVI modes (M1-M4) for Ferguson zones 1-4.
- Manual mode (M0) for custom light intensity settings.
- Durable aluminum alloy construction for efficient heat dissipation.
- Long lifespan of over 7,000 hours.
- Versatile installation options for various enclosure types.

## 2. SETUP AND INSTALLATION

Before installation, ensure your reptile enclosure is clean and ready. The REPTITRIP LED UVB Light offers flexible mounting solutions to suit different setups.

## Included Components:

- LED UVB Light Fixture
- Mounting Brackets
- Mounting Accessories (screws, clips, etc.)

## Installation Methods:

1. **Mounting on Tank Mesh:** The light can be placed directly on top of the tank's ventilation mesh. Ensure the light is stable and centered over the desired basking area.
2. **Hanging Inside Enclosure:** Use the included brackets to suspend the light inside the enclosure. This method is ideal for maintaining specific distances from the basking spot.
3. **Suspension from Wooden Board:** For custom enclosures, the light can be suspended from a wooden board using appropriate mounting hardware.

# Why Choose Ferguson Reptile Light

*The effect is fourfold compared to a standard UVB lamp  
With controller to simulate sunrise and sunset throughout the day*



- **Ferguson 1-4 District**
- **Aluminum Alloy**
- **Variable brightness and UVI**
- **Mercury-free, safe & eco-friendly**



- *UVB 5.0 or 10.0 only*
- *Plastics*
- *Fixed UVB 5.0 or UVB 10.0*
- *Contains toxic mercury*

Image 2.1: Visual representation of mounting the light above the ventilation mesh, underneath the ventilation mesh, or on wooden boards.

After installation, ensure all connections are secure before plugging the unit into a power source.

### 3. OPERATING INSTRUCTIONS

The REPTITRIP LED UVB Light features an intuitive controller for managing light modes and intensity.

#### Controller Functions:

- **Time Display:** Shows the current time.
- **Brightness/UVI Display:** Indicates the current light intensity or UVI level.
- **Mode Selection (M0, M1, M2, M3, M4):** Allows selection of pre-programmed or manual modes.
- **'+' and '-' Buttons:** Adjust settings (e.g., time, brightness) within modes.
- **SET Button:** Enters setting menus.
- **OK Button:** Confirms selections.



Image 3.1: The controller interface, illustrating its ability to simulate natural sunrise and sunset light cycles.

#### Light Modes (Ferguson Zones):

The controller offers four pre-programmed modes (M1-M4) designed to simulate natural light cycles and UVI levels corresponding to different Ferguson Zones, which categorize reptiles based on their natural UV exposure needs.



These modes automatically adjust light/UV intensity throughout the day.

- **M1 Mode:** Suitable for crepuscular reptiles (e.g., some geckos) requiring lower UV exposure.
- **M2 Mode:** Ideal for occasional baskers (e.g., some snakes) with moderate UV needs.
- **M3 Mode:** Designed for open sun baskers (e.g., chameleons) needing higher UV.
- **M4 Mode:** For mid-day sun baskers (e.g., bearded dragons) requiring the highest UV intensity.

## **M1-M4 Modes** (No heating effect) **Meet the UV Needs of Reptiles**

*Automatically Adjust Light/UVB Intensity to Simulate Sunrise and Sunset*

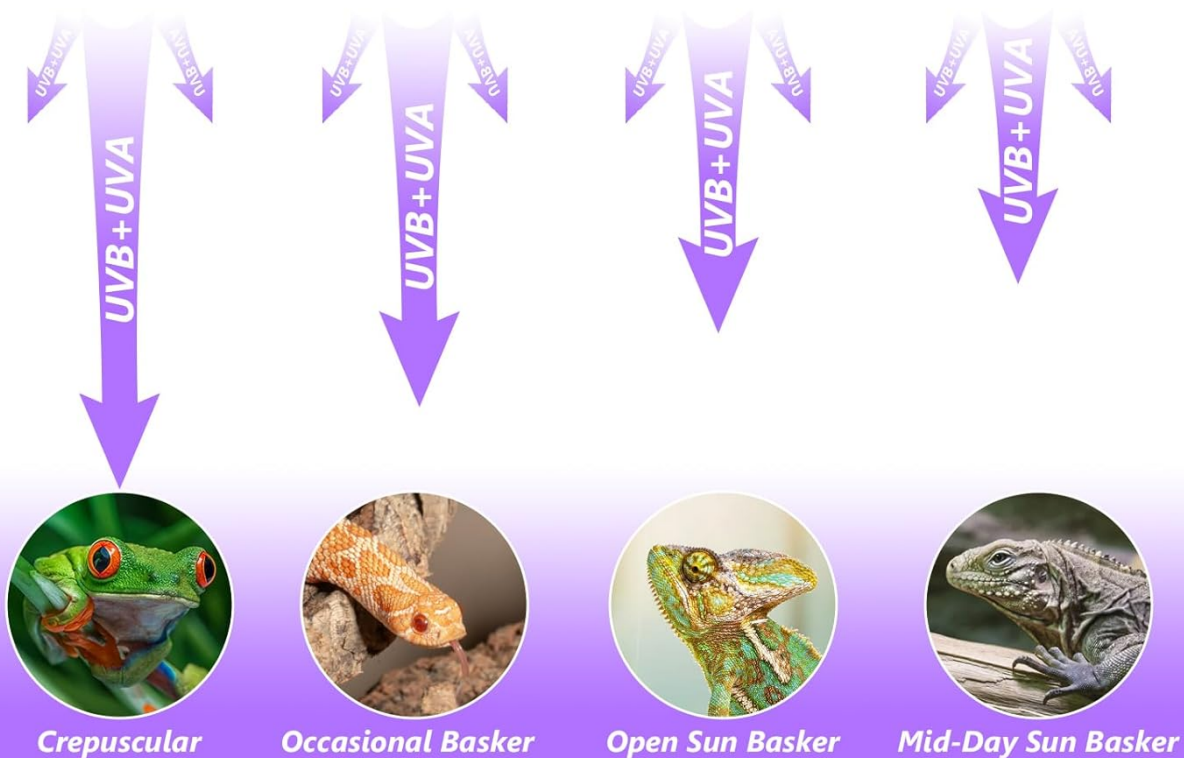


Image 3.2: Overview of M1-M4 modes, illustrating how they meet varying UV needs for different reptile types.

**M0 Mode (Manual):** This mode allows you to customize the light intensity manually. Use the '+' and '-' buttons to set the desired brightness level. This mode does not follow an automatic schedule.

# UVI & Brightness

## Choosing the Right UV for Reptiles

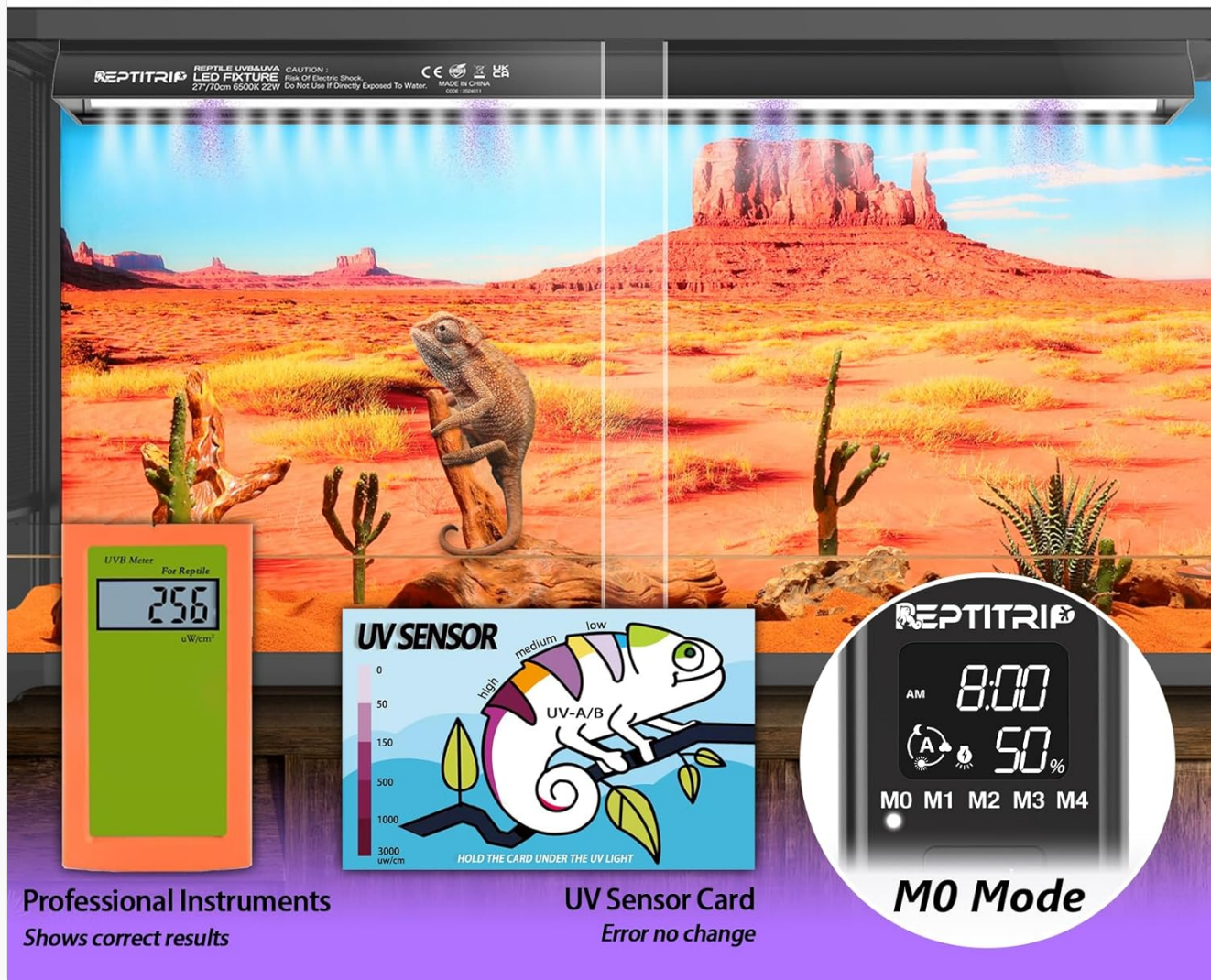


Image 3.3: M0 Mode display on the controller, alongside a professional UV meter and a UV sensor card for reference.

### Setting Night Light Brightness to 0:

In M1, M2, M3, or M4 modes, to set the night light brightness to 0, press and hold both the '+' and '-' buttons simultaneously on the controller.

### Ferguson Zone Luminance Guidelines:

The optimal UVI (UV Index) for your reptile depends on its species and the distance of the light source from the basking area. Refer to the following general guidelines:



Image 3.4: Ferguson Zone Luminance chart for light distances of 200-300mm.

## Enclosure



Image 3.5: Ferguson Zone Luminance chart for light distances of 300-400mm.

## 4. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your REPTITRIP LED UVB Light.

### Cleaning:

- Always unplug the light before cleaning.
- Wipe the light fixture and controller with a soft, dry cloth.
- Do not use abrasive cleaners or solvents, as they may damage the surface or electronic components.
- Ensure no moisture enters the light fixture or controller.

### Lifespan:

The REPTITRIP LED UVB Light is designed for a long service life of more than 7,000 hours. Regular cleaning and proper usage will help maximize its operational life.





Image 4.1: Detail of the light fixture highlighting its UVI & Visible Light (6500K) and extended lifespan.

## 5. TROUBLESHOOTING

This section addresses common issues you might encounter with your REPTITRIP LED UVB Light.

### Common Issues and Solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose connection, faulty controller.	Check power outlet. Ensure all cables are securely connected. If issue persists, contact support.
Light is dim or flickering.	Incorrect mode setting, power fluctuation.	Verify the selected mode (M0-M4) and brightness setting. Ensure stable power supply.
Controller unresponsive.	Power interruption, internal error.	Unplug the unit for 30 seconds, then plug it back in to reset.

### Important Reminders:



- The LED light emits cool white light and does not generate physical heat. If heating is required for your reptile, it must be used in conjunction with a separate reptile heating pad or heating lamp.
- For accurate UVB data, always use professional equipment. UVB card results are often not precise and should not be relied upon for critical measurements.



Image 5.1: Visual comparison of healthy reptile bones and those affected by skeletal abnormalities, emphasizing the critical role of UVB.

## 6. SPECIFICATIONS

Attribute	Detail
Brand	REPTITRIP
Model Number	UVL210
Item Weight	2.64 pounds
Package Dimensions	40.87 x 4.02 x 2.05 inches

Attribute	Detail
Item Package Quantity	1
Color	Black
Included Components	LED UVB Light, Brackets, Mounting Accessories
Specific Uses	UVB Light for Reptiles
Wattage	27.0 W
Lifespan	Over 7,000 hours



Image 6.1: Detailed dimensions of the 39-inch light fixture, including LED, UVA, and UVB bead counts.

## 7. WARRANTY AND SUPPORT

### Warranty Information:

For detailed warranty information regarding your REPTITRIP LED UVB Light, please refer to the product packaging or contact REPTITRIP directly. Warranty terms typically cover manufacturing defects for a specified period from the date of purchase.

### **Customer Support:**

If you have any questions, require technical assistance, or need to report an issue, please contact REPTITRIP customer support. You can often find contact information on the product packaging, the official REPTITRIP website, or through the retailer where you purchased the product.

Visit the official REPTITRIP Store for more information and products:[REPTITRIP Store](#)