



REPTISUN[®] LED

with **SUNRISE** and **SUNSET** TIMER

INSTRUCTIONS

ITEM#: LF-90, LF-91,
LF-92 and LF-93

Congratulations on your purchase of Zoo Med's REPTISUN[®] LED Light Fixture! Please read the following instructions carefully, as they will assist you with the proper set-up and operation of your new light fixture. If you have any questions regarding these instructions or the proper use of this item, please contact our customer service department at zoomed@zoomed.com or by calling (888) 496-6633 (US and Canada only). Customers in other countries, please call (805) 542-9988.

FEATURES:

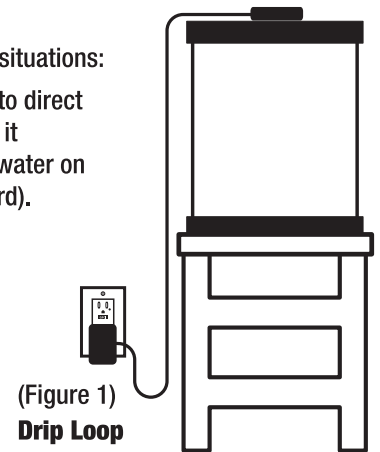
- High color rendering index (CRI 94) for more vibrant, accurate, and natural coloration of your plants and animals
- User-adjustable ramp-up and ramp-down timer to replicate a natural dawn and dusk
- Easy-to-use nine-button controller with a digital screen
- Dimmable LEDs to suit a variety of habitat sizes and lighting requirements
- High-output 5000K LEDs
- Adjustable sliding rails allow the fixture to rest on your tank's edges
- Aluminum housing for improved heat transfer and longer life

IMPORTANT SAFETY NOTICE!

To reduce the risk of fire, injury, or electric shock, read and follow these instructions prior to operating this light fixture. Save these instructions for future reference.

SAFETY INSTRUCTIONS:

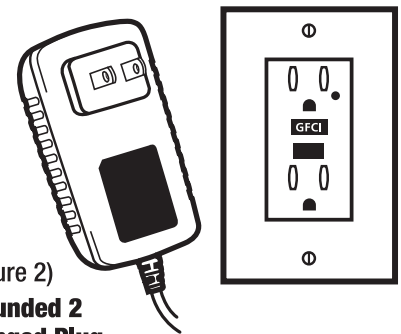
- To reduce the risk of **electric shock**, be sure that the light fixture is unplugged during any of the following situations:
 - Unplug when installing the light fixture on or over your habitat.
 - Unplug when performing habitat maintenance.
 - Be sure that your hands are completely dry before plugging the light fixture into an appropriate GFCI electrical outlet.
 - Unplug if the light fixture comes into direct contact with water or if any part of it becomes wet (other than drops of water on the outside of the clear splash guard).
 - Unplug when not in use.
- When unplugging the light fixture, grab the plug to prevent damage to the power cord. Never pull on the power cord to unplug the light fixture.
- **DO NOT** splice, repair, or modify the power cord. Inspect the power cord periodically for damage.
- For indoor use only.
- Keep children and pets (other than your terrarium's inhabitants) away from the fixture.
- **DO NOT** alter or modify this product. Contact an electrician if you are unsure about the electrical connection.



(Figure 1)
Drip Loop

DRIP LOOP: This light fixture must be used near a grounded GFCI receptacle with a "drip loop" (see Figure 1). The drip loop will prevent water from running along the power cord and getting the plug or wall receptacle wet. To create a drip loop, be sure that a portion of the power cord is lower than the level of the wall receptacle, as shown in Figure 1. If, for any reason, the plug or wall receptacle gets wet, do not grab or unplug the power cord until after the power has been switched off at the main fuse or circuit breaker.

GROUND FAULT PROTECTION: To reduce the risk of electric shock, this light fixture must be plugged into a **GFCI receptacle** (see Figure 2). If you are unsure about the electrical supply and connection, contact a qualified licensed electrician.



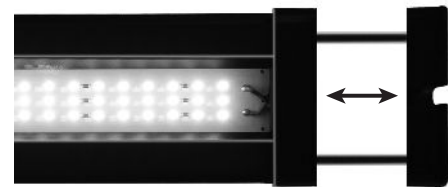
(Figure 2)
**Grounded 2
Pronged Plug
and GFCI Receptacle**

WARRANTY:

Zoo Med Laboratories, Inc. (Zoo Med) warrants each REPTISUN[®] LED Light Fixture to be free of defects in material and workmanship under normal use and service for one year from the date of purchase. The obligation under this warranty is limited to the repair or replacement, at Zoo Med's discretion, of the product or any part thereof, when the product is returned to Zoo Med, freight prepaid. No claim shall be allowed under this warranty if, in the opinion of Zoo Med, the REPTISUN[®] LED Light Fixture has been subject to accident or improper usage, including but not limited to: water damage, improper storage, accidental dropping, etc. This warranty is in lieu of all other warranties and representations expressed or implied. Please include your receipt, full name, address, phone number, and email address along with a note explaining failure when sending any product back to Zoo Med. Please allow 4 to 6 weeks for repair or replacement.

INSTALLATION INSTRUCTIONS:




Remember to check that the light fixture is unplugged before installing it on the habitat. The ReptiSun® LED comes pre-installed with optional, adjustable sliding rails (see Figure 3) to rest on the habitat's frame. Adjust the brackets on each side equally to match your habitat's width and securely place the fixture on the habitat's frame. The brackets are optional and can be easily pulled out of the fixture entirely if desired.




(Figure 3)
**Sliding
Rails**

Once the fixture is securely resting on top of the habitat, plug it into an appropriate GFCI-protected outlet with a drip loop (see Figures 1 and 2). Remove the battery tab on the back of the remote control to power it on.

OPERATING INSTRUCTIONS:

To manually turn the light on or off, press the power button  while pointing the remote at the IR receiver on the fixture (See Figure 4). The up  and down  arrows can be used to adjust the brightness in 10% increments.

AUTOMATION INSTRUCTIONS:

To set your lights in auto mode, press the power button  to turn the remote on. Program your settings first while still in manual mode rather than auto, and make sure the light is at full brightness for the flash sequence to display correctly. By default, the remote should already be in manual mode, but confirm this by checking that the word "Auto" is not displayed in the top right corner of the remote's screen (see Figure 5). If the word "Auto" is displayed, press and hold the Auto button on the remote until the word "Auto" disappears from the remote's screen.

Programming in manual mode allows you the freedom to input your settings away from the fixture until the last step. If programming in auto mode, you must continuously point the remote at the fixture's IR receiver (see Figure 4). The following step-by-step instructions will assume you are programming while in manual mode.

1. SET THE CLOCK









- The current time of day is displayed on the remote's screen in the top left corner.
- Time is displayed/programmed using 24-hour 'military' time format (i.e., 8:30 AM displays as 08:30 and 8:30 PM displays as 20:30).

Program the current time of day by pressing the clock button  on the remote once and using the up/down   arrow buttons to adjust the hour. The hour and minute numbers will blink on/off during programming to indicate which section you are actively changing. Then, press the clock  button again to adjust the minutes with the up/down   arrow buttons. Lastly, press the clock  button a third time to leave clock settings. If the clock times out, you will need to press the clock  button again to re-enter the programming state.









2. PROGRAM DAY START AND DAY END

- Day Start and Day End are displayed on the second line of the remote's screen under ON (Day Start) and OFF (Day End).
- Time is displayed/programmed using 24-hour 'military' time format (i.e., 8:30 AM displays as 08:30 and 8:30 PM displays as 20:30).

Day Start

Set Day Start for when you want the lights to turn on and the sunrise (ramp up) effect to start. To program, press the Day Start  button on the remote and adjust the hour using the up/down   arrow buttons. Then, press the Day Start  button again to adjust the minutes using the up/down   arrow buttons. Lastly, press the Day Start  button a third time to leave Day Start setting. If it times out before you have made your changes, you will have to re-enter the programming state by pressing the Day Start  button again.

Day End

Set Day End for when you want the sunset (ramp down) effect to end and the lights to shut off entirely. To program, press the Day End  button on the remote and adjust the hour using the up/down   arrow buttons. Then, press the Day End button  again to adjust the minutes using the up/down   arrow buttons. Lastly, press the Day End button  a third time to leave Day End settings. If it times out before you have made your changes, you will have to re-enter the programming state by pressing the Day End  button again.

3. PROGRAM SUNRISE AND SUNSET DURATION

The ReptiSun® LED has a sunrise (ramp up) and sunset (ramp down) feature. The lights gradually turn on at Day Start over a default 30-minute period. The lights gradually dim over a default 30-minute period, turning off entirely at Day End. The sunset and sunrise duration can be adjusted separately from 1 to 90 minutes.

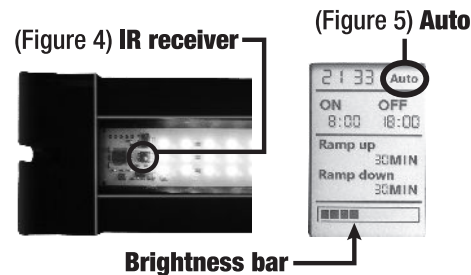
Ramp Up and Ramp Down durations are displayed on the remote's screen in the third row.

To change from the default settings, press the Ramp Up  or Ramp Down  button once on the remote and adjust the duration (in minutes) using the up/down arrow buttons. Then, press the Ramp Up  or Ramp Down  button a second time to leave Ramp Up or Ramp Down settings. If it times out before making your adjustments, you will have to re-enter the programming state by pressing the Ramp Up  or Ramp Down  button again.


4. TURN ON AUTO MODE

In Auto mode, the fixture will automatically turn on/off with sunrise/sunset effects based on your programmed settings.

After inputting your desired setting changes, press and hold the Auto  button on the remote while pointing it toward the IR receiver (see Figure 4). The word 'Auto' will display on the remote's screen in the top right corner, and the light will flash once to indicate settings were received successfully.



NOTES

- If your light flashes three times, indicating a programming error, double check that the current time of day is displayed in the top left corner of the screen, the 'Day Start' and 'Day End' periods are properly set using 24-hour military time format and that the word 'Auto' is displayed on the remote.
- To refresh your settings, you can press and hold the 'Auto'  button (ensuring the remote is pointed towards the IR receiver) until 'Auto' disappears from the remote. Repeat this step until 'Auto' appears again on the remote, this will refresh the time of day, on/off period, ramp-up/ramp-down duration, and brightness.