

## OPERATING INSTRUCTIONS

### SOLAR RAPTOR® UV HID-Lamp

Art.-No.: 10003, 10005, 10006, 10007, 10008, 10009



We thank you for purchasing a SOLAR RAPTOR® product and trusting our years of experience in building terrarium lighting solutions. All of our products are manufactured with the utmost care and using the latest technology.

#### Technical Data:

The SOLAR RAPTOR® UV HID-Lamp is a high-intensity discharge lamp. It produces light with a large UV content and is thus best suited for use with reptiles and birds. The colour temperature of 5000 K is effectively equal to sunlight, while the CRI of 86% ensures faithful colour reproduction. The SOLAR RAPTOR® UV HID-Lamp's aluminium housing lowers the temperature around the arc tube by ~200 °C. This slows the molecular degradation of the quartz glass, improving long-term UV-emission stability.

#### Installation:

The lamp must be operated in a heat-resistant E27 socket. The lamp should be placed inside the terrarium, as conventional glass almost entirely blocks UV radiation. A ballast of matching wattage is required to operate the lamp.

For the animals' safety the lamp should be placed outside of their reach.

The SOLAR RAPTOR® ClampLamp is ideal for mounting this product – it includes a protective grille and connectors matching the SOLAR RAPTOR® ECGs (ballasts) and requires no tools to install.

#### Operation:

This lamp's recommended service life is 4.000 hours. We do not recommend powering the lamp through a temperature sensor, as repeated on/off cycling reduces the lamp's lifespan. We recommend a minimum operating cycle of 8 hours; shorter operating cycles can significantly shorten the SOLAR RAPTOR® UV HID-Lamp's lifespan. The UV intensity of this product can, as with all such lamps, fluctuate with continued use.

To ensure optimal UV values for your animals we offer UV intensity measuring devices. Regular measurements can help you determine the right time to replace a lamp.

#### Safety Advice:

- Before installation or maintenance, the power plug of the ballast must be disconnected from the outlet.
- The SOLAR RAPTOR® UV HID-Lamp may only be operated with a matching ballast. Example: 35 W HID = 35 W ECG (ballast)
- Never install the lamp near flammable objects.
- Ensure there is sufficient air circulation. Never cover the lamp or ballast with any object.

- Only use this product with heat-resistant lamp sockets.
- In the event of damage to the lamp or abnormalities in operation, the power supply must be switched off immediately.
- To ensure long-term effective UV illumination, we recommend that you do not use the light source for longer than 12 months (in continuous operation for 12 hours a day), as a drop in the UV levels is unavoidable due to material deterioration. Ideally, you should measure the UV levels of the lamp with the Solarmeter® 6.2R Reptile UVB or Solarmeter® 6.5R Reptile UV Index to determine the right timing for a replacement.
- Before using this lamp, please check the amount of UV light appropriate to the animal(s) you are keeping. Make sure that there is an appropriate minimum distance between the lamp and any animals.
- This lamp emits UV radiation and is thus not approved for household use. This product should only be used as terrarium lighting.

#### Cleaning:

Only clean the product with a dry cloth. Disconnect the product from power before cleaning.

#### Disposal:

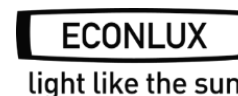
The SOLAR RAPTOR® UV HID-Lamp is a high-intensity discharge lamp (metal vapor lamp). These contain small amounts of mercury. Used lamps therefore do not belong in the residual waste, but must be disposed of properly in accordance with the relevant local waste disposal regulations.

#### Information:

For further information and updates, please visit our homepage [www.econlux.de](http://www.econlux.de)

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