

**JBL**

**The right light and heat  
for your terrarium**





Anole species



Basilisks



Chinese water dragons

### Light with UV for tropical forest animals

(tropical rain forest, dry forest & swamp areas)



Green iguanas



Dwarf day geckos



Day geckos



Red-footed tortoises



Hinged tortoises



Cooter turtles



Terrapins



Argentine Tegu



Yemen Chameleons



Flap-necked chameleons

Advantage: Heat can be controlled to suit individual needs e.g. at a specific place by a spot lamp.

Many forest animals receive a relatively large amount of UV light due to the way they live e.g. in the treetops or on the river bank. Experts recommend:

Permanent lighting with no heat emission: bright, promotes plant growth

#### JBL SOLAR Reptil Jungle

#### JBL Reptil Jungle UV 190 / UV 310

Permanent lighting with heat emission: bright, promotes plant growth (contains UV)

#### JBL Reptil Jungle L-U-W Light

#### JBL SOLAR UV-Spot plus



T8 fluorescent tube containing UV

Advantages:

- Even illumination
- Bright
- Moderate energy consumption

Light	Heat	UV-B
+	-	+



Energy-saving lamps with a high UV concentration

Advantages:

- Bright
  - Low energy consumption
- UV 190 (small tropical terrariums): ideal for a distance of 20 cm  
 UV 310 (large tropical terrariums): ideal for a distance of 30 cm

Light	Heat	UV-B
+	-	++



Metal halide lamp that simulates sunlight

Advantages:

- Very bright
  - Good source of heat
- 35W, 4000K (small tropical terrariums): ideal for a distance of 30 – 60 cm  
 70W, 4000K (large tropical terrariums): ideal for a distance of 40 - 80 cm

Light	Heat	UV-B
++	++	++



UV spot lamp with daylight spectrum

Advantages:

- Very bright
- High UV
- Good source of heat

Light	Heat	UV-B
+	++	++



Axolotls (temperate waters)



Newts (temperate waters)



Red-eyed tree frogs

### Light without UV for tropical forest animals

(tropical rain forest & dry forest)



Poison dart frogs



Dyeing poison frogs



Tree frogs



Tree pythons



Royal pythons



Corn snakes



Tarantulas



Scorpions



Leaf insects (Phasmatodea)



Praying mantis

Some tropical forest animals live on the ground or in the shade and need no UV light. Sometimes it can even be harmful to such species. Experts recommend:

Permanent lighting with no heat emission: bright, promotes plant growth

#### JBL Reptil Jungle Daylight



Energy-saving lamp with no UV

Advantages:

- Bright
- Low energy consumption

Light	Heat	UV-B
++	-	-

#### JBL SOLAR Natur/ Tropic



T8/T5 fluorescent tubes without UV

Advantages:

- Even illumination
- Bright
- Moderate energy consumption

Light	Heat	UV-B
+	-	-

Permanent lighting with heat emission: bright, promotes plant growth

#### JBL Reptil Day



Halogen spot lamp without UV, 2900K

Advantages:

- Bright
- Low energy consumption
- Dimmable

Light	Heat	UV-B
++	++	-

#### JBL Reptil Spot



Neodymium spot lamp, barely any UV, 2850K

Advantages:

- Even illumination
- Bright
- Moderate energy consumption

Light	Heat	UV-A
++	++	+

## Heat for tropical forest animals

Tropical forest inhabitants usually need high temperatures during the day and somewhat lower temperatures at night (e.g. Amazon basin 32 °C day/ 23 °C night – no lower!).

Temperatures can be lowered at night by turning off heat-emitting lighting during the day.

### JBL Reptil Heat



Ceramic lamps

Advantages:

Natural heat from above

No visible light



### JBL Terra Temp



Floor heater

Advantages:

Parts of the terrarium can be heated evenly from below.

Comes with spacers to ensure proper air circulation.

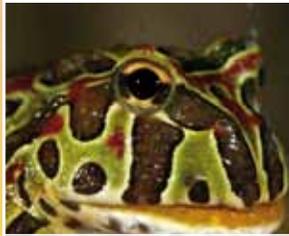




Tree frogs



Red-eyed treefrogs



Horned frogs

Light for animals that are active at dusk and at night



Leopard geckos



Bibron's geckos



House geckos



Boa constrictors



Mangrove tree snakes



Milk snakes



Green tree pythons



Tokay geckos



Centipedes



Thick tail scorpions



Many of these animals getting active, as soon as the UV radiation during the day decreased at dawn. During the day please illuminate light including UV (see: „light with UV“)

Dusk and night time lighting with no heat emission

JBL Reptil Jungle UV 190



Energy-saving lamp with no UV

Advantages:

- Bright
- Low energy consumption
- UV suitable for a distance of 20 cm

Light	Heat	UV-B
+	-	++

JBL Reptil Jungle Daylight



Energy-saving lamp with no UV

Advantages:

- Bright
- Low energy consumption

Light	Heat	UV-B
++	-	-

Dusk lighting with heat emission

JBL Reptil Day



Halogen spot lamp without UV, 2900K

Advantages:

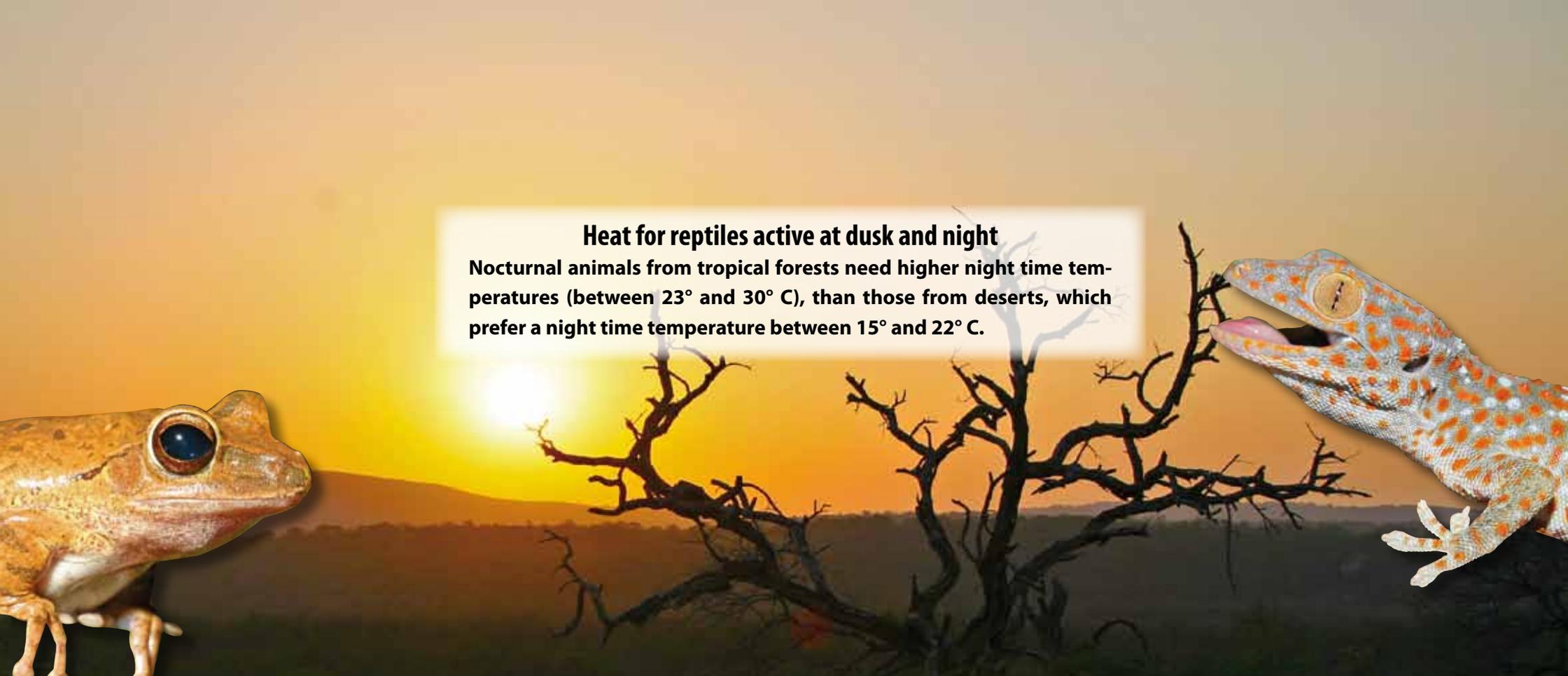
- Bright
- Low energy consumption
- Dimmable



Light	Heat	UV-B
++	++	-



**Heat for reptiles active at dusk and night**  
 Nocturnal animals from tropical forests need higher night time temperatures (between 23° and 30° C), than those from deserts, which prefer a night time temperature between 15° and 22° C.



**JBL Reptil Heat** **JBL Terra Temp**



Ceramic lamps  
 Advantages:  
 Natural heat from above  
 No visible light



Floor heater  
 Advantages:  
 Can preheat parts of the terrarium evenly from below  
 Comes with a spacer to ensure proper air circulation





Rock lizards



Collared lizards



Spiny-tailed iguanas

### Light with UV for desert animals



Monitor lizards



Tortoises



Leopard tortoises



Bearded dragons



Dab lizards



Rainbow lizards



Yellow-headed agamas



Frisled-neck lizards



Girdled lizards



Bedriaga's skinks

The advantage: Heat zones can be set up selectively so that the animals are also able to seek cooler areas!

In addition to needing large amounts of light and UV, diurnal animals from deserts and steppes often need warm spots as well, which they seek actively. As light is associated with heat, they automatically look for spots with radiation.

**Permanent lighting with no heat emission: bright, promotes plant growth**

**Permanent lighting with heat emission: bright, promotes plant growth**

#### JBL SOLAR Reptil Sun

#### JBL Reptil Desert UV 300 / UV 480

#### JBL Reptil Desert L-U-W Light

#### JBL SOLAR UV-Spot plus



T8 fluorescent light containing UV

Advantages:

- Even illumination
- Bright
- Moderate energy consumption

Light	Heat	UV-B
++	-	++



Energy-saving lamps with a high UV concentration

Advantages:

- Bright
  - Low energy consumption
- UV 300 (small desert terrariums):  
Ideal for a distance of 7.4 cm
- UV 480 (large desert terrariums):  
Ideal for a distance of 10 cm

Light	Heat	UV-B
+	-	++



Metal halide lamp that simulates sunlight

Advantages:

- Very bright
  - Good source of heat
- 35W, 6000K (small desert terrariums):  
ideal for a distance of 20 - 50 cm
- 70W, 6000K (large desert terrariums):  
ideal for a distance of 30 - 70 cm

Light	Heat	UV-B
++	++	++



UV spot lamp with daylight spectrum

Advantages:

- Very bright
- High UV
- Good source of heat

Light	Heat	UV-B
+	++	++

## Heat for desert animals

Desert animals are adapted to temperatures that are high during the day and often low at night. If they get too warm during the day, they must be able to seek refuge in cooler spots in the terrarium.



### JBL Reptil Temp

Heat rock  
Advantages:  
Ideal supplement to basking spot lamps



### JBL Reptil Heat

Ceramic lamps  
Advantages:  
Natural heat from above  
No visible light



### JBL Terra Temp

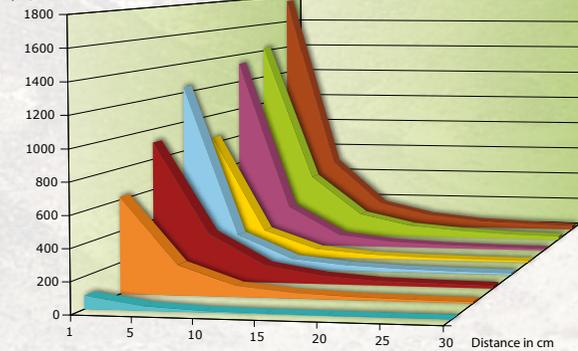
Floor heater  
Advantages:  
Can preheat parts of the terrarium evenly from below  
Comes with a spacer to ensure proper air circulation



## Comparison of JBL Reptil Jungle/Desert UV energy-saving lamps with competitor products

The JBL lamps achieve the best UV-output in comparison.

$\mu\text{W}/\text{cm}^2$  Measured after 2 hrs.



JBL Reptil Desert UV 480 23 W



JBL Reptil Jungle UV 310 23 W

ZM Repti Sun 10.0

ZM Repti Sun 5.0

Drg 6.0

Hg ReptiGlo 10.0

Hg ReptiGlo 5.0

Hg ReptiGlo 2.0

## Overview of JBL terrarium lights

++ high + medium - zero

JBL Product	Type of lamp	Light	UV-A	UV-B	Heat
JBL Reptil Jungle Daylight	Energy-saving lamp	++	-	-	-
JBL Reptil Jungle UV 190	Energy-saving lamp	+	++	++	-
JBL Reptil Jungle UV 310	Energy-saving lamp	+	++	++	-
JBL Reptil Desert Daylight	Energy-saving lamp	++	-	-	-
JBL Reptil Desert UV 300	Energy-saving lamp	+	++	++	-
JBL Reptil Desert UV 480	Energy-saving lamp	+	++	++	-
JBL SOLAR UV-Spot plus	UV-Spot lamp	+	++	++	++
JBL Reptil Jungle L-U-W Light	Metal halide lamp	++	++	++	++
JBL Reptil Desert L-U-W Light	Metal halide lamp	++	++	++	++
JBL Reptil Day	Halogen lamp	++	-	-	++
JBL Reptil Spot	Neodymium lamp	++	+	-	++
JBL SOLAR Reptil Sun T8/T5	Fluorescent tube	+	++	++	-
JBL SOLAR Reptil Jungle T8/T5	Fluorescent tube	+	+	+	-

**JBL Temp Set** Our experts recommend the following products to ensure the safety of your installation, its reliable running and the correct maintenance conditions for your pet reptile.

• basic • angle • connect • angle+connect

### JBL Temp Set Unit L-U-W



Installation kits: specifically designed for high temperature lamps such as ceramic lamps or spots. Easy to install. Comes with an E27 socket for lamps of up to 250 W



Installation kit: For the safe operation of metal halide lamps in terrariums. Comes with an electronic control gear. For 35W or 70W

### JBL Temp Protect



Protective lamp reflector: Protects reptiles and their keepers from burns.

Easy to add, without dismantling the existing light fixture.

### JBL Terra Control



Thermometer and hygrometer

2 separate instruments that reliably measure and display air humidity (0–100 %) and temperature (-30 to +60° C)

### JBL Terra Control Solar



Solar-powered thermometer & hygrometer

Swivelling digital thermometer and hygrometer with an extremely powerful solar cell that requires very little light to function in all terrariums. Temperature range: -30 to +50 °C Humidity range: 20–99 %