



REPTILE LIGHTING GUIDE



Exo Terra Reptile Lighting

Without the sun's energy, all life on earth would cease to exist. It is by the sun's energy that all life forces are driven. Without it, our planet would quickly radiate away its own energy in short order, making all life extinct. Although light is much more complex, there are only three facets of light that are important for reptile husbandry: ultraviolet light, visible light and infrared light. In order to create these three biological aspects of sunlight artificially, Exo Terra has developed several specialized lights. Reptiles require appropriate and high quality lighting in order to meet certain different metabolic needs. As it is almost impossible to accommodate all of these needs in a single light source, a combination of different light sources is necessary in most cases. The table at right will help you in making the right lighting choice. Not all reptiles or terrarium animals need the same amount of UVB radiation: nocturnal versus daylight activity, geographical and climatological conditions (ex: rainforests versus deserts). The distance from the bulb to the animal is equally important.

Light Source	UVB	Reptile Vision	Human Vision	Infrared Heat
All-in-one Bulbs				
Sunray	*****	*****	*****	*****
Solar Glo	*****	****	****	****
UVB Fluorescent Bulbs				
Reptile UVB100	***	****	****	*
Reptile UVB150	****	****	****	*
Reptile UVB200	*****	****	****	*
Turtle UVB Bulb	**	****	****	*
Linear Fluorescent				
Natural Light		****	*****	*
Reptile UVB100	***	****	****	*
Reptile UVB150	****	****	****	*
Visual Light Bulbs				
Natural Light		****	*****	*
Natural Light ION		****	*****	*
Reptile Vision		*****	****	*
Heat & Basking Bulbs				
Halogen Basking Spot		**	****	****
Daytime Heat Bulb		**	****	****
Daylight Basking Spot		**	****	****
Intense Basking Spot		**	****	****
Night Heat Bulb		*	*	****
Infrared Basking Spot		*	*	*****
Swamp Basking Spot		**	****	****

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UVB Rating System

LIZARDS		
NAME	LATIN NAME	UV RATING
Bearded & Rankin's Dragon	Pogona vitticeps & Pogona henrylawsoni	*****
Leopard Gecko	Eublepharis macularius	
Green Iguana	Iguana iguana	***
Veiled Chameleon	Chamaeleo calyptratus	***
Spiny-tailed lizards	Uromastyx spec.	*****
Panther Chameleon	Chamaeleo pardalis	***
Chinese Water Dragon	Physignathus cocincinus	***
Anoles (Green & Bahama)	Anolis carolinensis & sagrei	***
Crested Geckos	Rhacodactylus ciliates & Rhacodactylus auriculatus	***
Day Geckos	Phelsuma spec.	****
Collard Lizard	Crotaphytus collaris	****
Steppe Runner	Eremias arguta	***
Long-tailed Lizard	Takydromus sexlineatus	****
Curly Tail Lizard	Leiocephalus spec.	
AQUATIC TURTLES		
Red-eared Sliders	Trachemys scripta elegans	**
Yellow Bellied Slider	Trachemys scripta scripta	**
Painted Turtle	Chrysemys picta	
SNAKES		
Ball Python	Python regius	*
Corn Snake	Pantherophis guttatus	*
King & Milk Snake	Lampropeltis spec.	
Boa Constrictor	Boa constrictor	
AMPHIBIANS		
Fire Belly Toads	Bombina orientalis	
PacMan Frog	Ceratophrys spec.	*
White's Treefrogs	Litoria caerulea	*
Monkey Tree Frogs	Phyllomedusa sauvagii	*
Poison Dart Frogs	Dendrobatidae	
TORTOISES		
Russian Tortoise	Agrionemys horsfieldii	****
Greek Tortoise	Testudo Graeca	****
Hermann's Tortoise	Testudo hermanni	*****
African Spurred Tortoise	Geochelone sulcata	



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Heat & Basking Bulbs

Exo Terra's heat and basking bulbs are designed to provide radiant heat and some amounts of visual light. These are incandescent bulbs and are the most common sources of terrarium lighting. Although incandescent bulbs are more suitable as a heat source than as a visual light source, they are the perfect form of complementary lighting as all reptiles need a form of heat radiation.

In some cases, incandescent lamps are sufficient as some terrarium animals do not need excessive visual light, for example night active reptiles, arachnids or some amphibians. Some snakes will do well when only these types of lamps are used, as they do not need ultraviolet radiation. Incandescent bulbs fail to produce ultraviolet radiation.

Most daylight bulbs and basking spots have a glass sleeve with mixed-in Neodymium, a rare earth metal that changes the visual spectrum of the bulbs, giving terrarium animals, decoration and plants a more natural appearance. All heat and basking bulbs are manufactured in coloured glass, thereby preventing the fading or cracking as seen in coated bulbs and it also increases heat radiation transfer.

Daytime Heat Bulb

- Broad-spectrum daylight lamp for terrariums
- Creates heat gradients for thermo-regulation
- Increases ambient air temperature
- Stimulates breeding behavior through UVA rays
- Can be combined with Night Heat Bulb or Infrared Basking Spot to create a 24-hour cycle

A broad-spectrum daylight bulb with a Neodymium sleeve. The spectrum stimulates the photosynthesis of plants and the UVA (ultraviolet A) light contributes to the reptiles' physiological well-being. Another important factor is that the heat emitted by this bulb increases the overall ambient temperature in the terrarium.



REPTILE LAMP RATING SYSTEM ©	
UVB	● ● ● ● ● ● ● ●
REPTILE VISION	● ● ● ● ● ● ● ●
HUMAN VISION	● ● ● ● ● ● ● ●
INFRARED	● ● ● ● ● ● ● ●

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Daytime Heat Bulb

PT2100	PT2102	PT2104	PT2110	PT2111	PT2112	PT2114
T10/15W	T10/25W	T10/40W	A19/60W	A19/100W	A21/100W	A21/150W

Daylight Basking Bulb

- Broad-spectrum daylight spot bulb for terrariums
- Creates a basking area for thermoregulation
- Increases ambient air temperature
- Stimulates breeding behavior through UVA rays
- Can be combined with Daytime Heat Bulb or Night Heat Bulb to create a 24-hour cycle

A broad-spectrum daylight spot bulb with a Neodymium sleeve. The spectrum stimulates the photosynthesis of plants and the UVA (ultraviolet A) light contributes to the reptiles' physiological well-being. The tight beam can be directed precisely on a certain area to create a basking area.



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HUMAN VISION	● ● ● ● ● ● ● ●
INFRARED	● ● ● ● ● ● ● ●

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Daylight Basking Spot

PT2195 *	PT2131	PT2132	PT2133	PT2134
25W	R20/50W	R20/75W	R25/100W	R30/150W

(*) Not available in the UK