



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		**	****	****

Expedition 2011
Sri Lanka



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 calypttratus	***
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	

Reptile UVB150

Desert Terrarium Bulb

- Ideal for all desert dwelling reptiles
- High UVB output
- Very high D3 conversion
- Effective up to 50 cm (20")
- Provides necessary UVB rays for optimal calcium metabolism
- Recommended for terrariums with dense screen covers
- Combine with Natural Light for optimal visual light output

The Exo Terra Reptile UVB150 has a very high UVB output similar to sunlight in deserts. These locations receive more direct sunlight, therefore desert reptiles are more exposed to UV radiation than any other type of reptile. This bulb can also be used on terrariums with denser screen covers to ensure sufficient UVB penetration. Dense screens can filter out up to 50% of the UVB rays. The high Vitamin D3 yield index ensures vitamin D3 photosynthesis to aid calcium absorption and prevent metabolic diseases.



Reptile UVB200

High Output UVB Bulb

- For reptiles with very high UV requirements
- Helps prevent metabolic bone disease
- Ideal for desert set-ups or taller terrariums
- Very high D3 Yield Index
- Increased Vitamin D3 photosynthesis
- Maximizes calcium absorption
- Enhanced UVB penetration distance
- Combine with Natural Light or Reptile Vision for optimal visual light output

The Exo Terra Reptile UVB200 emits the ideal UVB spectrum for optimal Vitamin D3 photosynthesis. The Reptile UVB200 bulb is especially designed to simulate conditions for reptiles with very high UV requirements, like diurnal reptiles from desert environments. These areas receive direct unfiltered sunlight with high levels of UVB. The significantly high Vitamin D3 yield index results in increased vitamin D3 photosynthesis to aid calcium absorption and prevent metabolic diseases. The extended UVB penetration makes this bulb the ideal choice for taller terrariums or terrariums with denser screens.

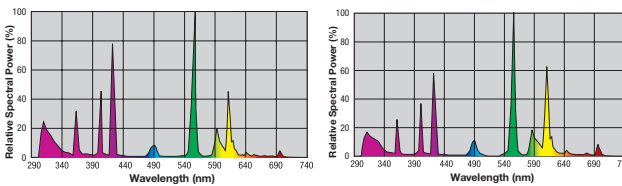


13W	Distance	UVA	UVB	Photo-synth.	UVB Rating	Illumin.
	Inch cm	µW/cm²	µW/cm²	µW D3 /µMin	See Reptile UVB Chart	LUX
	4 10	690	115	45	★★★★	3070
	8 20	300	50	10	★★★	670
	12 30	150	25	8	★★	420
	16 40	90	15	6	*	280
	20 50	50	8	4	*	220
	24 60	30	4	2	*	190
	28 70	20	3	1		160
	32 80	5	3	0		150
	36 90	3	1	0		140
	40 100	1	0	0		140

26W	Distance	UVA	UVB	Photo-synth.	UVB Rating	Illumin.
	Inch cm	µW/cm²	µW/cm²	µW D3 /µMin	See Reptile UVB Chart	LUX
	4 10	1150	195	75	★★★★	4340
	8 20	360	60	20	★★★	980
	12 30	150	25	15	★★	490
	16 40	60	10	7	*	350
	20 50	40	6	7	*	270
	24 60	30	5	2	*	220
	28 70	20	4	1	*	200
	32 80	10	3	0		170
	36 90	5	1	0		150
	40 100	2	0	0		150

REPTILE BULB RATING SYSTEM ©
 UVB
 REPTILE VISION
 HUMAN VISION
 HEAT

Reptile UVB150
 PT2188 PT2189
 13W 26W



13W	Distance	UVA	UVB	Photo-synth.	UVB Rating	Illumin.
	Inch cm	µW/cm²	µW/cm²	µW D3 /µMin	See Reptile UVB Chart	LUX
	4 10	750	130	50	★★★★	2350
	8 20	360	60	20	★★★	470
	12 30	180	30	10	★★	270
	16 40	120	20	6	*	190
	20 50	90	15	4	*	140
	24 60	40	7	3	*	130
	28 70	30	5	2	*	130
	32 80	20	4	2	*	110
	36 90	15	3	1		110
	40 100	10	2	0		110

26W	Distance	UVA	UVB	Photo-synth.	UVB Rating	Illumin.
	Inch cm	µW/cm²	µW/cm²	µW D3 /µMin	See Reptile UVB Chart	LUX
	4 10	1350	225	130	★★★★	4680
	8 20	550	90	40	★★★★	1030
	12 30	240	40	20	★★★	500
	16 40	150	25	15	★★	290
	20 50	100	15	9	*	250
	24 60	70	10	6	*	200
	28 70	60	9	5	*	180
	32 80	40	7	3	*	160
	36 90	30	6	2	*	150
	40 100	20	4	2	*	150

REPTILE BULB RATING SYSTEM ©
 UVB
 REPTILE VISION
 HUMAN VISION
 HEAT

Reptile UVB200
 PT2340 PT2341
 13W 26W

