



# 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
<b>All-in-one Bulbs</b>				
Sunray	*****	*****	*****	*****
Solar Glo	*****	****	****	****
<b>UVB Fluorescent Bulbs</b>				
Reptile UVB100	***	****	****	*
Reptile UVB150	****	****	****	*
Reptile UVB200	*****	****	****	*
Turtle UVB Bulb	**	****	****	*
<b>Linear Fluorescent</b>				
Natural Light		****	*****	*
Reptile UVB100	***	****	****	*
Reptile UVB150	****	****	****	*
<b>Visual Light Bulbs</b>				
Natural Light		****	*****	*
Natural Light ION		****	*****	*
Reptile Vision		*****	****	*
<b>Heat &amp; Basking Bulbs</b>				
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	Agriemys horsfieldii	****
Greek Tortoise	Testudo Graeca	****
Hermann's Tortoise	Testudo hermanni	*****
African Spurred Tortoise	Geochelone sulcata	

# Swamp Basking Spot

- Splash- and mist-proof
- Shatter-proof
- For aquatic and humid terrariums
- Enhances animal colouration

The Exo Terra Swamp Basking Spot is a splash and mist resistant basking spot bulb designed for use in aquatic or extremely humid terrarium set-ups, where high humidity or accidental water spillage could cause a regular incandescent bulb to burn out or shatter. The outer sleeve is made from extra-strong neodymium glass.



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

Swamp Basking Spot

PT3780 *	PT3781 *	PT3782 *
R20/50W	R20/75W	R25/100W

(\* Not available in the UK)

# Halogen Basking Spot

- Highly energy efficient broad-spectrum daylight bulb
- Optimizes heat penetration through increased infrared levels
- Enriches colouration through Neodymium
- Stimulates breeding behaviour and physiological well-being through UVA rays
- Can be combined with Night Heat Bulb or Intense Basking Spot to create a 24-hour cycle

Halogen bulbs are actually an advanced variation of incandescent bulb technology. One of the major factors that shorten an incandescent bulb's lifespan is the evaporation of the tungsten within the bulb. By adding a trace amount of a halogen gas (methyl bromide) inside the bulb, a chemical reaction removes the tungsten from the wall of the glass and deposits it back onto the filament, extending the life of the bulb. The higher temperatures of halogen lighting contribute to a whiter light, a higher light output and a greater efficiency.



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

Halogen Basking Spot

PT2197 *	PT2181	PT2182	PT2183	PT2184
25W	50W	75W	100W	150W

(\* Not available in the UK)

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# Heat & Basking Bulbs

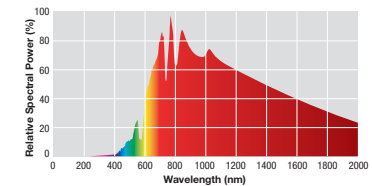
## Technical information

### Daytime Heat Bulb

PT2100  
T10/15W

Distance	Illuminance with Light Dome		Temp.	
	Inch	cm	Lux	°F °C
4	10	9950	>122	>50
8	20	1930	97	36
12	30	168	82	28
16	40	85	79	26
20	50	48	77	25
24	60	35	77	25

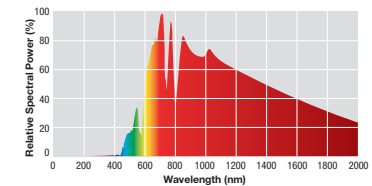
Approximate values at 68°F/20°C - Domains approximaties à 20 °C/68 °F - Intensité de la lumière bei 20°C  
Valores aproximados a 68°F/20°C - Temperaturas aproximativas 20°C - Waarden bij benadering bij 68°F/20°C



PT2102  
T10/25W

Distance	Illuminance with Light Dome		Temp.	
	Inch	cm	Lux	°F °C
4	10	19200	-	-
8	20	5800	-	-
12	30	500	-	-
16	40	255	-	-
20	50	155	-	-
24	60	100	-	-

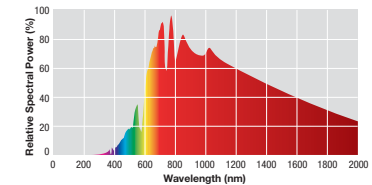
Approximate values at 68°F/20°C - Domains approximaties à 20 °C/68 °F - Intensité de la lumière bei 20°C  
Valores aproximados a 68°F/20°C - Temperaturas aproximativas 20°C - Waarden bij benadering bij 68°F/20°C



PT2104  
T10/40W

Distance	Illuminance with Light Dome		Temp.	
	Inch	cm	Lux	°F °C
4	10	25000	>122	>50
8	20	8780	99	37
12	30	1850	86	30
16	40	685	82	28
20	50	375	79	26
24	60	205	77	25

Approximate values at 68°F/20°C - Domains approximaties à 20 °C/68 °F - Intensité de la lumière bei 20°C  
Valores aproximados a 68°F/20°C - Temperaturas aproximativas 20°C - Waarden bij benadering bij 68°F/20°C



PT2110  
A19/60W

Distance	Illuminance with Light Dome		Temp.	
	Inch	cm	Lux	°F °C
4	10	30100	>122	>50
8	20	11920	95	35
12	30	4500	88	31
16	40	1460	84	29
20	50	690	79	26
24	60	270	77	25

Approximate values at 68°F/20°C - Domains approximaties à 20 °C/68 °F - Intensité de la lumière bei 20°C  
Valores aproximados a 68°F/20°C - Temperaturas aproximativas 20°C - Waarden bij benadering bij 68°F/20°C

