

UVB FOR REPTILES

What is UVB?

UVB is part of the sun's natural light spectrum. Most reptiles require exposure to UVB to produce vitamin D3, which is essential in order for them to use the calcium from their diet. The sun provides UVB in nature, however, in your home you will need to provide UVB by using specialty lighting designed for reptiles.

What is the UV Index (UVI)?

The UV Index (UVI) is a measure of UV radiation. In this Index, the wavelengths measured are those that contribute most to a reptile's ability to manufacture their own vitamin D3. This is important because not all UVB wavelengths are equal in their ability to promote vitamin D synthesis.

What are Ferguson Zones?

Dr. Ferguson, a renowned herpetologist and researcher, observed the daytime activities of many different reptile species and recorded the UV Index they were found in. Over time and with the contributions of many other dedicated researchers, these observations and recordings have been used to create the "Ferguson Zones" we use today.

What Zones Should My Animal Have?

Every habitat should provide a photo gradient with zones that go all the way down to 0 UVI, which allows animals to photo-regulate, or control their exposure to UVB. The upper zone limit should be based on your animal's unique natural basking behavior.

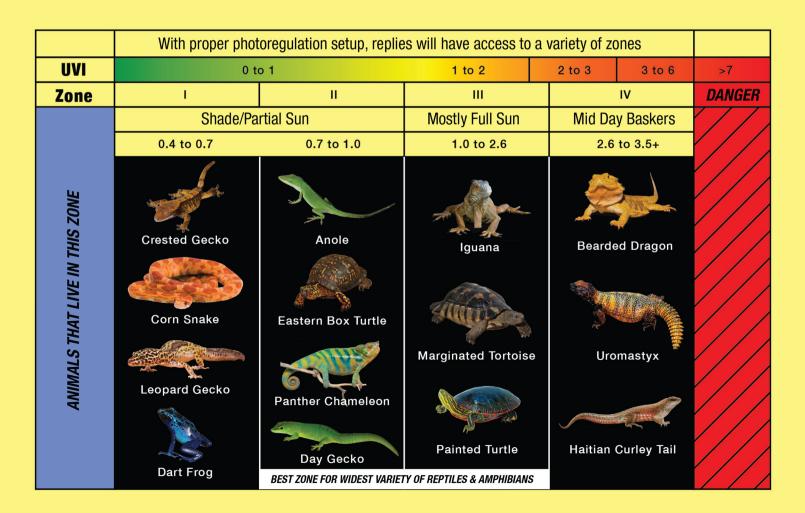
How to use these charts:

- 1. Determine what zone best describes your pet.
- 2. Consider the size of your enclosure. These measurements should be taken from the face of the lamp to the basking site.
- 3. Choose a lamp that can provide the correct zone at your pet's basking site.
- 4. Remember to make sure that there is a gradient of light all the way down to "0" UVI allowing your pet to retreat.
- 5. Keep in mind that some reflectors may increase a lamp's output and screens may reduce the UVB that reaches your pet. To know precise UVI, you can use a UV Index Meter (ST-7).



DIGITAL UV INDEX RADIOMETER ITEM # ST-7

- Measures UVB and provides readings based on the UV Index.
- Quick reference scale on meter helps determine correct UVI level for various species.
- Meter's response curve is weighted to match the Vitamin D action spectrum.





CHOOSING THE CORRECT UVB LAMP

ZONE	UVI READING	WHAT ANIMALS LIVE IN THIS ZONE?							
I	0.4-0.7	Shade Dwelling and Crepuscular Species							
II	0.7-1.0	Mostly Partial Sun - Occasional Full Sun							
III	1.0-2.6	Mostly Full Sun - Occasional Partial Sun							
IV	2.6-3.5+	Mid-Day Baskers							
DANGER	>7	Danger - No animals should be in this zone							

Compact Fluorescent									near Flu	uoresce	nt	Mercury Vapor			LED
DISTANCE FROM LAMP TO ANIMAL	1 3 REPTISUN	I REPTISUN®	1 REPTISUN®	REPTISUNMA V IN (%)	PALUDARIUM	A IMPRO	REPTISON UNETTING	VI OREPTISUN 50	NEPTISU	OREPTISUN VAN	⊗≂≌\REPTIS U	80W	100W	160W	REPTISUN UVB, ALED
Bulb	ReptiSun 5.0 Mini CFL	ReptiSun 5.0 CFL	ReptiSun 10.0 Mini CFL	ReptiSun 10.0 CFL	Paludarium (ReptiSun) 3-in-1 CFL	ReptiSun Nano UVB	ReptiSun Mega Compact UVB	ReptiSun 5.0 T8 Linear	ReptiSun 5.0 T5 Linear	ReptiSun 10.0 T8 Linear	ReptiSun 10.0 T5 Linear	PowerSun 80W	PowerSun 100W	PowerSun 160W	ReptiSun UVB/LED
Item #	FS-C5M	FS-C5	FS-C10M	FS-C10	FS-CP/FS-C3	FS-CN	FS-C65					PUV-12	PUV-11	PUV-10	FS-LUV
3"															
4"															
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22"															
24"															
28"															
32"															
36"															
40"															



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Item #	FS-C5M	FS-C5	FS-C10M	FS-C10	3-in-1 CFL FS-CP/FS-C3	FS-CN	UVB FS-C65					PUV-12	PUV-11	PUV-10	FS-LUV	PUV-15
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112cm							28-107cm									