



CHOOSING THE CORRECT LAMP

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 unitless 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 Zone 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 this chart:

- 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 all the way down to "0" allowing your pet to retreat from the light.
- 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

- 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.

Item# ST-7

This item available on our website at: zoomed.com

With proper photoregulation setup, reptiles will have access to a variety of zones

UVI	0 to 1		1 to 2	2 to 3	3 to 6	>7
Zone	I	II	III	IV		DANGER
	Shade/Partial Sun		Mostly Full Sun	Mid Day Baskers		
	0.4 to 0.7	0.7 to 1.0	1.0 - 2.6	2.6 - 3.5+		
ANIMALS THAT LIVE IN THIS ZONE	 Crested gecko	 Anole	 Iguana	 Bearded Dragon		
	 Corn snake	 Eastern Box turtle	 Marginated tortoise	 Uromastyx		
	 Leopard gecko	 Panther chameleon	 Painted turtle	 Haitian Curley Tail		
	 Dart frog	 Day gecko				

BEST ZONE FOR WIDEST VARIETY OF REPTILES & AMPHIBIANS



LIGHTING SELECTION GUIDE

ZONE	UVI READING	WHAT ANIMALS LIVE IN THIS ZONE?
/	> 7	DANGER - Animals should NOT have access to this zone
4	2.6-3.5+	Mid-day Baskers
3	1.0-2.6	Mostly Full Sun – Occasional Partial Sun
2	0.7-1.0	Mostly partial sun – occasional full sun
1	0.4-0.7	Shade dwelling and crepuscular species



BULB ITEM #	ReptiSun 5.0 Mini CFL FS-C5M	ReptiSun 5.0 CFL FS-C5	ReptiSun 10.0 Mini CFL FS-C10M	ReptiSun 10.0 CFL FS-C10	ReptiSun 5.0 T8 Linear FS-24	ReptiSun 5.0 T5 Linear FS5-24	ReptiSun 10.0 T8 Linear OS-24	ReptiSun 10.0 T5 Linear OS5-24	PowerSun 80W PUV-12	PowerSun 100W PUV-11	PowerSun 160W PUV-10	PowerSun HID w/fixture LF-96
3"												
4"												
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24"												
30"												
36"												
40"												
48"												

UVI @ DISTANCE (INCH)