

# Decoding An Exo-Terra Basking Incandescent Light Bulb

**150W**

**+75% Intense**

**INTENSE BASKING SPOT**

**REPTILE LAMP RATING SYSTEM**

UVB: 4 circles (1 filled)

REPTILE VISION: 4 circles (1 filled)

HUMAN VISION: 4 circles (1 filled)

INFRARED: 4 circles (1 filled)

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Light / Heat Beam: 45°  
 Colour Temperature: 2680 K  
 Colour Rendering Index: CRI 78  
 Luminous Flux: 1380 Lm  
 Optical efficiency: 9,2 Lm/W  
 Thermal efficiency: 93%

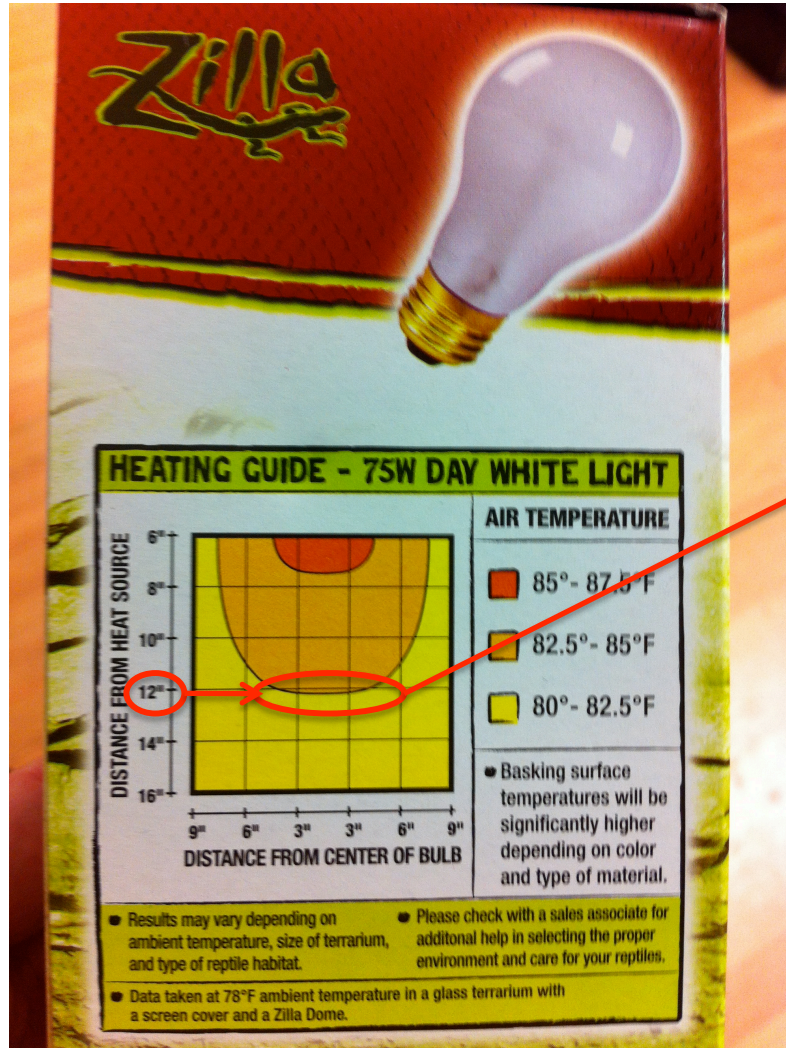
Distance	Illuminance with Light Dome		Temp.	
	Inch	cm	Lux	°F °C
4	10	75500	>122	>50
8	20	58750	109	43
12	30	40340	93	34
16	40	25550	84	29
20	50	12690	81	27
24	60	1965	77	25

Approximate values at 66°F/20°C - Valores aproximados a 66°F/20°C - Données approximatives à 20 °C/68 °F

A color temperature of 2680 is pretty low (light is yellow), and a CRI of 78 means the light won't give accurate colors

12 inches from this bulb produces 40,340 lux (lumens/sq meter) and a 93°F temperature = Moderately intense light and a very high temperature

## Decoding a Zilla Incandescent Bulb



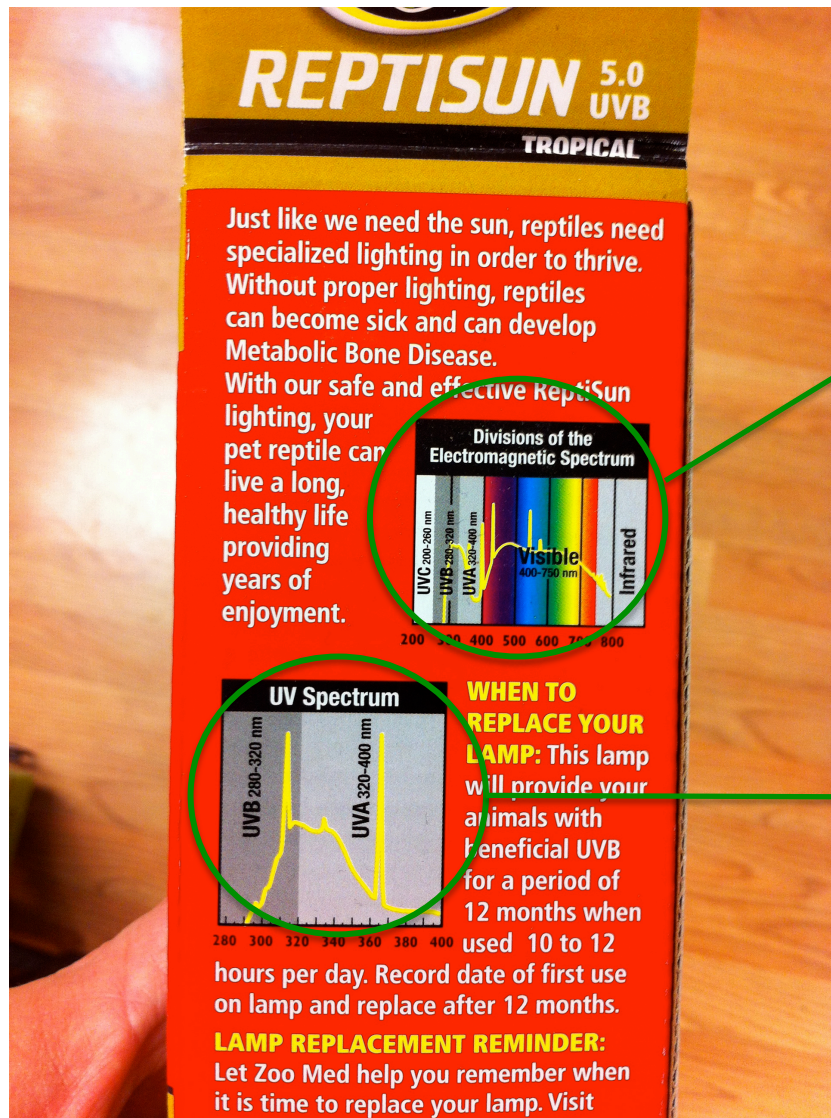
Zilla doesn't tell us how many lumens it produces or its efficiency

This 75 watt bulb produces air temperatures of between 80 and 85°F at 12 inches. Remember that objects will absorb and reflect heat, making a basking spot hotter than the air temperature.

Zilla does not tell us anything about the CRI or color temperature of this bulb, but we can expect as an incandescent that it is decent at rendering colors and has a yellowish light.



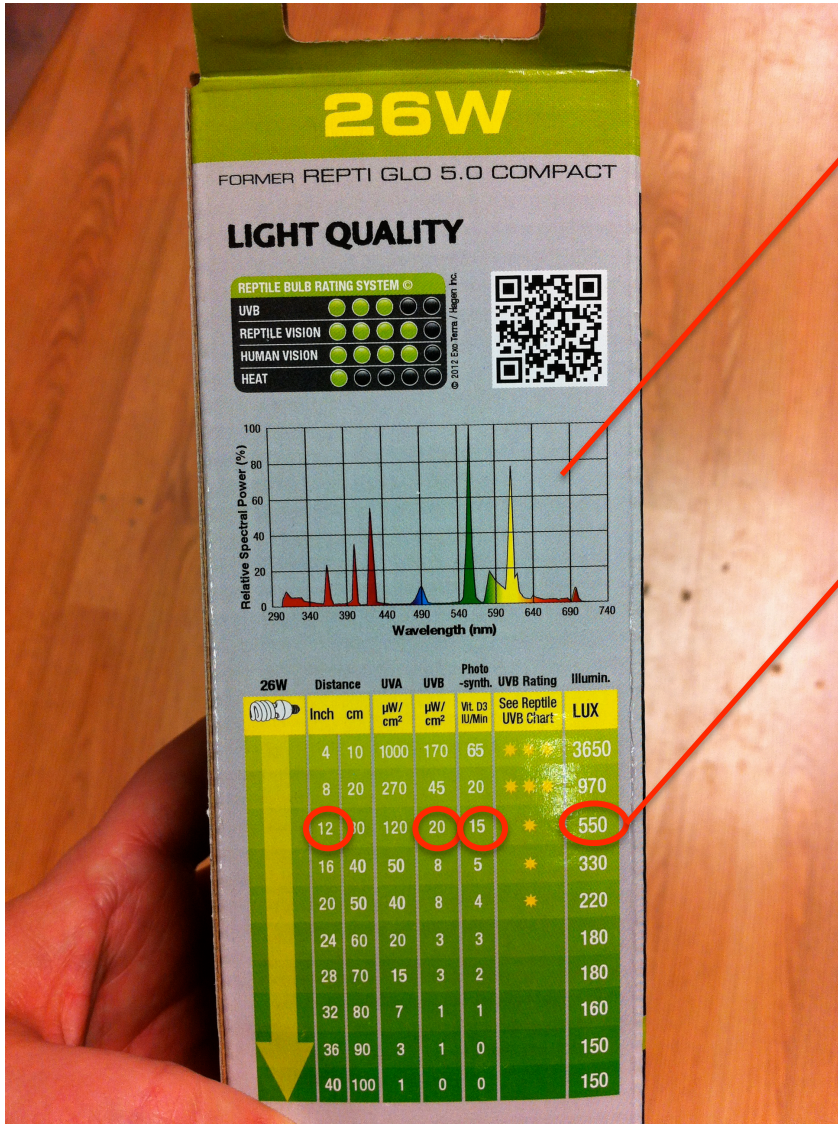
# Decoding a Zoo Med Fluorescent Bulb



ZooMed gives us very little easily interpretable data. From this spectral graph, it looks like most wavelengths of visible light are represented, which could mean a good CRI. Without the actual numbers you Can't be sure.

This UV bulb produces UV starting at 290 and up. It has a peak at what looks like 315, and produces lots of UVA from 320+ Vitamin D3 production is mostly from 295 to 305, so a lot of this may not be that beneficial. Hard to say without actual numbers.

# Decoding an Exo-Terra Fluorescent Bulb



Exo Terra doesn't tell us the CRI or color temperature, but from the discrete peaks on the spectrum we can assume they are low (colors won't look true).

Exo Terra tells us that this bulb produces 20 µW/cm² of UVB, 15 IU/min Vit D3 and has 550 lux (low, shady level of light) at 12 inches.

Giving the D3 yield will help compare Bulbs when others start providing this info; only a portion of the UVB is in D3 optimum producing range, so just knowing total UVB isn't that helpful. Right now we can see that this is a good source of D3