

UVB Index Results, from December 2018. To January 2020 (13 month test)

Test Conditions & info:

Each bulb is used in a fully working bioactive setup.

Based on a 12 hour on/off cycle, for the full 13 months.

All readings at 13 inches from reflected tube, to the basking animal, at the closest point.

Same distance with reflector removed.

I've not included results of a tube on mesh this time around. But you can pretty much half each reading for mesh results (This is based on ZooMed standard mesh as per my 2018 results)

Setups used.:

5x2x2 – Corn Snake Setup

5x2x2 – Bearded Dragon setup

4x2x2 – Horsfield Tortoise setup

Tubes used:

- 1x Arcadia 12% **T5 Tube**
- 1x ZooMed ReptiSun 10.0 **T5 Tube**
- 1x Reptile Systems 12% **T5 Tube**

Tested weekly with a *Solarmeter 6.5*.

Readings noted. Actual readings at the start, and end of the experiment.

But rounded up information to provide the deterioration results. Due to the minor variations.

And all tubes set at the manufacturers recommended distances, for each specific T5 Tube.



Arcadia 12% T5 (New tube reading – At T5 Recommended distances)

With NO reflector fitted

Distance:: 33cm(13 inches) - UV Index: **4.0**

With Reflector

Distance: 33cm(13 inches) – UV Index: **6.5**

The above readings went down approximately **.2** per month

With a final UVB Index reading, after 13 months;

- **3.9 - With Reflector.**
- **1.4 – Without.**



ZooMed ReptiSun 10.0 T5HO (New Tube Reading)

With NO reflector fitted

Distance:: 33cm(13inches) - UV Index: 3.7

With Reflector

Distance: 33cm(13inches) - UV Index 6.1

The above readings went down approximately .2 per month

With a final reading, after 13 months,

- **3.4** - With Reflector.
- **1.0** – Without



Reptile Systems 12% T5 (New Tube Reading)

With NO reflector fitted

Distance:: 33cm(13inches) - UV Index: 3.8

With Reflector

Distance: 33cm(13inches) - UV Index 6.2

The above readings went down approximately .3 per month

With a final reading, after 13 months, of

- **2.2** - With Reflector.
- **0.8** – Without

Conclusion:

To conclude, all tubes used worked very well. But the **Arcadia 12%** T5 performed better over the other 2 tubes in both overall UVB output, and the final UV Index reading after the manufacturers 12 monthly replacement guarantee time.

The **Reptile Systems** tube showed the worse degrade over the 13 months. But was pretty much on par with the **ZooMed** tube at the start, but it did degrade at a quicker rate. So I'd be replacing that

tube after 9 or 10 months, depending on the species its being used for.

Best performance and value for money based on results. Still the **Arcadia 12% T5**.

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