

The UVB Output of Mercury Vapour Lamps at Long Distances

Tests conducted 24th-25th September 2005

Output in uW/cm2 measured with Solarmeter 6.2

Hobbyist Lamps

Type of Lamp, Usage, Ref. No	Distance (feet)							
	1	2	3	4	5	6	7	8
ReptileUV MegaRay EB 60watt; 6mths (BM1)	372	105	47	26	15	10	7	5
ReptileUV MegaRay SB 100watt; 11mths (BM2)	229	63	28	16	10	7	5	4
ReptileUV MegaRay SB 100watt; 180hrs (BM3)	339	90	40	23	15	11	8	6
ReptileUV MegaRay EB 60watt; 30mins (BM5)	120	36	19	10	7	5	3	2
ReptileUV MegaRay EB 60watt; 250hrs (BM6)	310	84	39	23	16	11	8	6
TRex ActiveUVHeat Flood SB 100watt; 115hrs (BU4)	215	56	25	15	10	7	5	4
TRex ActiveUVHeat Spot SB 100watt; 93hrs (BU3)	329	89	41	23	15	10	8	6
TRex ActiveUVHeat Spot SB 100watt; 30mins (BU14)	1221	413	176	97	63	44	33	26

Zoo Lamps

Type of Lamp, Usage, Ref. No	Distance (feet)										
	1	2	3	4	5	6	7	8	9	10	11
ReptileUV Zoo Megaray EB 60watt; 84hrs (BMZ1)	1931	553	263	153	98	70	53	40	33	27	22
Osram Ultravitalux SB 300watt; 110hrs (BO1)	910	262	122	71	46	34	25	20	16	13	10
Osram Ultravitalux SB 300watt; 1 year (BO4)	350	97	45	26	17	12	9	7	6	4	2

Output in IU/min D3, measured with Solarmeter 6.4 (closest reading to 50 IU/min D3 - equivalent to that of noonday sun at about 300uW/cm2 total UVB - indicated in red)

Hobbyist Lamps

Type of Lamp, Usage, Ref. No	Distance (feet)							
	1	2	3	4	5	6	7	8
ReptileUV MegaRay EB 60watt; 6mths (BM1)	167	46	19	10	7	5	3	2
ReptileUV MegaRay SB 100watt; 11mths (BM2)	83	22	10	6	4	2	2	1
ReptileUV MegaRay SB 100watt; 180hrs (BM3)	140	36	16	9	6	4	3	2
ReptileUV MegaRay EB 60watt; 30mins (BM5)	35	12	5	3	2	2	1	1
ReptileUV MegaRay EB 60watt; 250hrs (BM6)	130	35	16	9	6	4	3	2
TRex ActiveUVHeat Flood SB 100watt; 115hrs (BU4)	75	20	9	5	3	2	2	1
TRex ActiveUVHeat Spot SB 100watt; 93hrs (BU3)	113	29	13	8	4	3	2	1
TRex ActiveUVHeat Spot SB 100watt; 30mins (BU14)	502	158	72	43	28	18	13	10

Zoo Lamps

Type of Lamp, Usage, Ref. No	Distance (feet)										
	1	2	3	4	5	6	7	8	9	10	11
ReptileUV Zoo Megaray EB 60watt; 84hrs (BMZ1)	859	240	112	64	42	30	22	18	14	12	9
Osram Ultravitalux SB 300watt; 110hrs (BO1)	462	131	61	35	24	17	13	11	8	7	6
Osram Ultravitalux SB 300watt; 1 year (BO4)	127	35	17	10	7	5	4	3	2	2	1