

	ARCADIA REPTILE	
	PRODUCT DATA SHEET	
RFD	D3 FOREST FLUORESCENT TUBE	

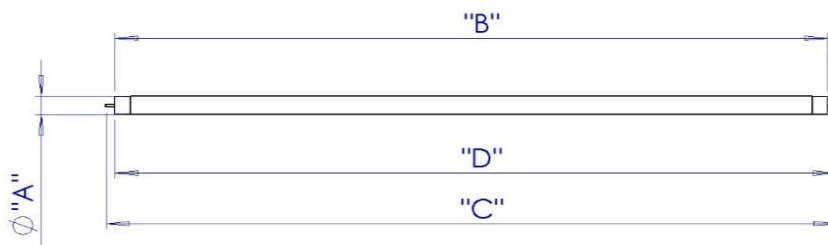


GENERAL DESCRIPTION - a range of full spectrum T5 & T8 fluorescent tubes designed to simulate as closely as possible the spectrum of natural sunlight. High light output of UVA and UVB to support the synthesis of vitamin D3 in forest reptile species. This product has been designed for use in terraria/aviculture only. Product not suitable for household lighting.




**SPECIAL PRECAUTIONS**

These tubes have a high light output, do not look directly at the tube when it is lit. Fluorescent tubes contain small amounts of mercury which would could be released if a tube is broken. The amount of mercury released would not be enough to pose a health risk to anyone immediately exposed but as a precautionary measure any room in which a tube breaks should be aired for 15 minutes. Do not use a vacuum cleaner or brush to remove debris as this risks further contamination. Wear disposable gloves. Carefully scoop up the larger bits of glass with a disposable piece of cardboard or similar. Use a piece of duct tape to pick up small pieces of glass and powder. Clean area with a paper towel. Seal all materials and cleaning equipment in a robust container and treat as hazardous waste. Thoroughly wash hands with soap and water. Dispose of in line with WEEE regulations.

**LAMP DIMENSIONS**



	"A" mm	"B" mm	"C" mm	"D" mm
RFD314	26	361	375	368
RFD315	26	450	464	457
RFD318	26	600	614	607
RFD325	26	750	764	757
RFD330	26	900	914	907
RFD336	26	1200	1214	1207
RFD338	26	1050	1064	1057
RFD324T5	16	549	563	556
RFD339T5	16	849	863	856
RFD354T5	16	1149	1163	1156

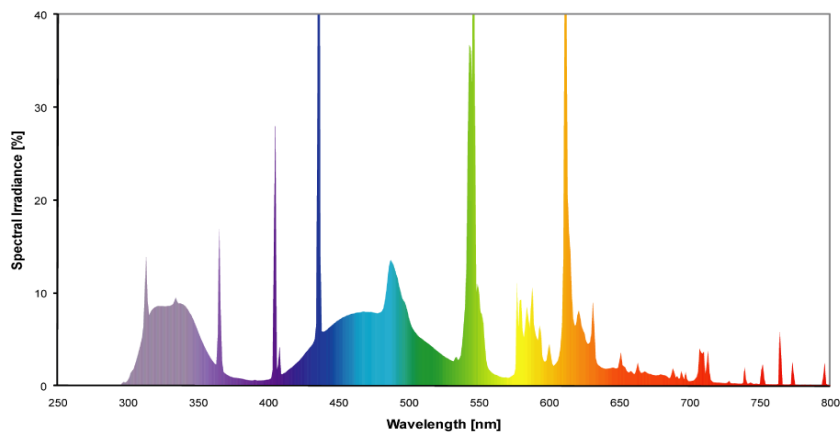
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MEASUREMENTS

	Nominal wattage	Rated Power	Power cor.	Power usage	Lumen output	Lumens per watt	Energy rating	CRI
	W	W	W	kWh/1000h	lm	lm/W		
RFD314	14	15	18	18	310	20.67	B	1A
RFD315	15	15	18	18	300	20	B	1A
RFD318	18	18	21.6	21.6	450	25	B	1A
RFD325	25	26	31.2	31.2	850	32.69	B	1A
RFD330	30	30	36	36	1000	33.33	B	1A
RFD336	36	36	43.2	43.2	1200	33.33	B	1A
RFD338	38	39	46.2	46.2	1200	31.17	B	1A
RFD324T5	24	23	27	27	1200	53.33	B	1A
RFD339T5	39	38	41.8	41.8	1600	42.11	B	1A
RFD354T5	54	54	59.51	59.51	3000	55.45	B	1A

	Colour temp.	Lux @ 200mm	Lux @ 400mm	PAR @ 200mm	PAR @ 400mm	UVA	UVB	EuV
	K	lx	lx	m <sup>-2</sup> s <sup>-1</sup>	m <sup>-2</sup> s <sup>-1</sup>	%	%	mW/klm
RFD314	6600					30	6	8.8
RFD315	6600					30	6	9.6
RFD318	6600					30	6	12.7
RFD325	6600					30	6	13.2
RFD330	6600					30	6	10.6
RFD336	6600					30	6	
RFD338	6600					30	6	18.7
RFD324T5	7000					30	6	32.6
RFD339T5	7000					30	6	32.4
RFD354T5	7000					30	6	34.4

COLOUR SPECTRAL CHART wavelength nm



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COLOUR RENDER INDEX CHART
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TEST EQUIPMENT
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Power drawn	Everfine HAAS 1200 array spectroradiometer
Lumen output	Everfine HAAS 1200 array spectroradiometer
Colour temperature	Everfine HAAS 1200 array spectroradiometer
Lux	Iso-Tech Light Meter model 1335
PAR	Apogee PAR meter model MQ-500
UVA	Solarmeter UV Index model 6.5
UVB	Solarmeter UV Index model 6.5
UVC	Solarmeter UVC meter model 8.0
Energy eff. Calcs	EU reg 874/2012 Energy labelling of electrical lamps and luminaires
EuV	Double monochromator Optronics OL574

ADDITIONAL PARTS
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HARMONISED STANDARDS
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IEC  
DE1-6330