

	ARCADIA REPTILE	
	PRODUCT DATA SHEET	
RFR	EURO FOREST FLUORESCENT TUBE	

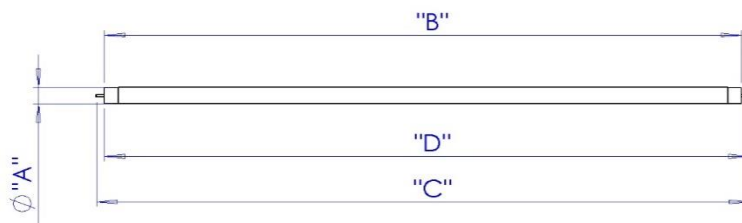


GENERAL DESCRIPTION - a range of full T8 fluorescent tubes designed to simulate as closely as possible the spectrum of natural sunlight. High light output of UVA and UVB to support the synthesis of vitamin D3 in temperate forest reptile species. This product has been designed for use in terraria/aviculture 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
RFR15	26	450	464	457
RFR18	26	600	614	607
RFR25	26	750	764	757
RFR30	26	900	914	907
RFR38	26	1050	1064	1057

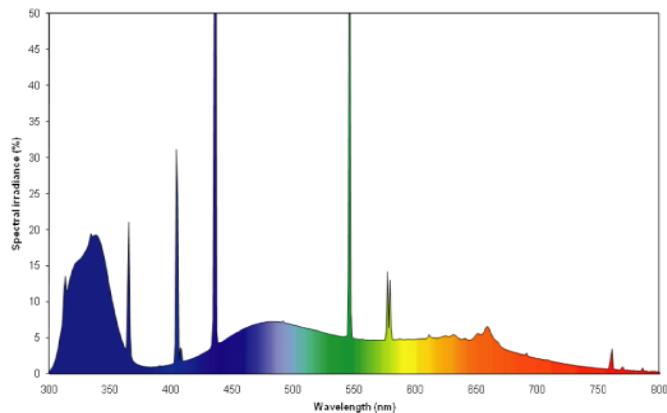
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MEASUREMENTS

	Nominal wattage	Rated Power	Power cor.	Power usage	Lumen output	Lumens per watt	Energy rating	CRI
	W	W	W	kWh/1000h	lm	lm/W		
RFR15	15	15	18	18	300	16.67	B	1A
RFR18	18	20	24	24	450	18.75	B	1A
RFR25	25	24.5	29.4	29.4	850	28.91	B	1A
RFR30	30	30	36	36	1000	27.78	B	1A
RFR38	38	40	48	48	1200	25.00	B	1A

	Colour temp.	Lux @ 200mm	Lux @ 400mm	PAR @ 200mm	PAR @ 400mm	UVA	UVB	Euv
	K	lx	lx	m ⁻² s ⁻¹	m ⁻² s ⁻¹	%	%	mW/klm
RFR15	6600					30	5	10.4
RFR18	6600					30	5	10.9
RFR25	6600					30	5	35.2
RFR30	6600					30	5	18.7
RFR38	6600					30	5	15.3

COLOUR SPECTRAL CHART wavelength nm



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COLOUR RENDER INDEX CHART

TEST EQUIPMENT

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

HARMONISED STANDARDS

IEC
DE1 - 6330