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|  | ARCADIA REPTILE |  |
| | PRODUCT DATA SHEET | |
| CFB | BIRD LAMP | CE UKCA |

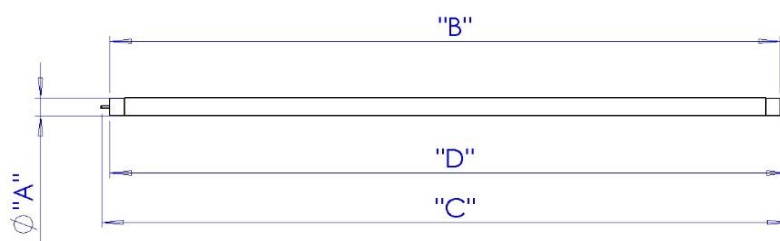


GENERAL DESCRIPTION - a range of full spectrum T5 & T8 fluorescent tubes designed to simulate as closely as possible the spectrum of natural sunlight. High light output of UVA and UVB to support the synthesis of vitamin D3 in bird species. This product has been designed for use in avaries only. Product 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



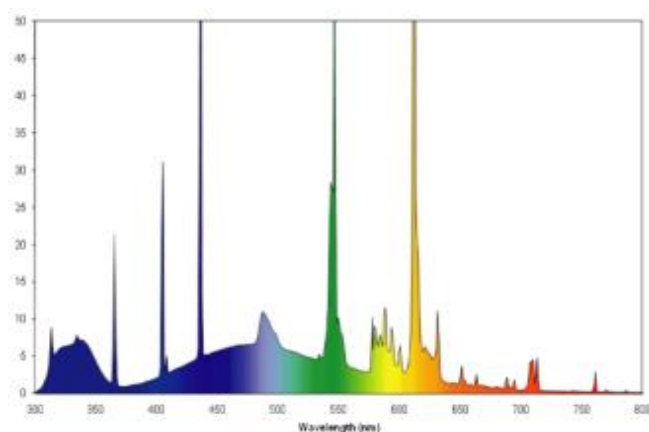
| | "A" mm | "B" mm | "C" mm | "D" mm |
|---------|--------|--------|--------|--------|
| CFB08 | 16 | 288 | 302 | 295 |
| CFB15 | 26 | 450 | 464 | 457 |
| CFB18 | 26 | 600 | 614 | 607 |
| CFB30 | 26 | 900 | 914 | 907 |
| CFB36 | 26 | 1200 | 1214 | 1207 |
| CFB58 | 26 | 1500 | 1514 | 1507 |
| CFB54T5 | 16 | 1149 | 1163 | 1156 |
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|  MonkfieldReptile | ARCADIA REPTILE |  |
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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/1000 h | lm | lm/W | | |
| CFB08 | 8 | 6 | 66 | 66 | 280 | 4242 | A | 1A |
| CFB15 | 15 | 15 | 18 | 18 | 600 | 3333 | B | 1A |
| CFB18 | 18 | 18 | 216 | 216 | 900 | 4167 | B | 1A |
| CFB30 | 30 | 30 | 36 | 36 | 1700 | 4722 | B | 1A |
| CFB36 | 36 | 36 | 396 | 396 | 2300 | 5808 | A | 1A |
| CFB58 | 58 | 65 | 78 | 78 | 3700 | 4744 | B | 1A |
| CFB54T5 | 54 | 54 | 648 | 648 | 3450 | 5324 | B | 1A |
| | | | | | | | | |
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| | 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 |
| CFB08 | 5800 | | | | | 12 | 24 | 23 |
| CFB15 | 5800 | | | | | 12 | 24 | 59 |
| CFB18 | 5800 | | | | | 12 | 24 | 57 |
| CFB30 | 5800 | | | | | 12 | 24 | 86 |
| CFB36 | 5800 | | | | | 12 | 24 | 84 |
| CFB58 | 5800 | | | | | 12 | 24 | 107 |
| CFB54T5 | 7000 | | | | | 12 | 24 | 145 |
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| COLOUR SPECTRAL CHART wavelength nm |
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| UV MEASUREMENTS |
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Peak Wavelength: 544.9nm

Irradiance (at 100cm distance)

Illuminance: 54.912lx

Irradiance: 26.43 $\mu\text{W}/\text{cm}^2$

254nm-Irradiance: 0.007 $\mu\text{W}/\text{cm}^2$

UVA-Irradiance: 5.35 $\mu\text{W}/\text{cm}^2$

UVB-Irradiance: 0.622 $\mu\text{W}/\text{cm}^2$

UVC-Irradiance: 0.012 $\mu\text{W}/\text{cm}^2$

Effective UVA-Irradiance: 0.003 $\mu\text{W}/\text{cm}^2$

Effective UVB-Irradiance: 0.063 $\mu\text{W}/\text{cm}^2$

Effective UVC-Irradiance: 0.008 $\mu\text{W}/\text{cm}^2$

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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 |

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| ADDITIONAL PARTS |
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| HARMONISED STANDARDS |
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DE1-6330