



Chameleons & UVB

This infographic summarizes the high level basics of UVB. For a free downloadable copy and more detailed understanding, access the QR code with your smartphone.



chameleonacademy.com

UVI 160 — Exo-Terra 200 26W CFL¹ Screen top² UVI

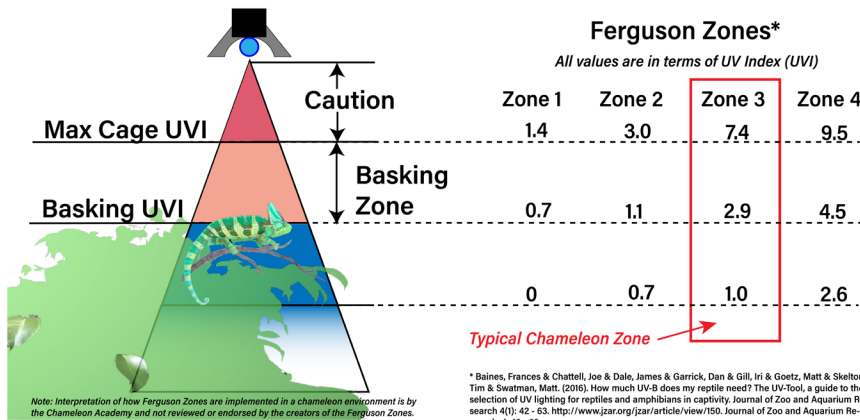


UV Index (UVI): World Health Organization scale for measuring UVB levels
Gradient: How much UVI levels change within a given distance
Ferguson Zones: Scientific estimates for reptile husbandry UV Index values

Maximum Cage UVI: UVI 7.4 for Ferguson Zone 3
Basking UVI: Target reading for basking. Community tested as UVI 3.

Caution Zone: Excessive UVB levels
Basking Zone: Target values for effective & safe chameleon exposure

Implementing UV Index Levels in a Chameleon Cage



UVI 80 — New Arcadia T5 14% Screen top² UVI



UVI 50 — Arcadia T5 12%¹ Screen top² UVI

UVI 43 — Max natural UVI on Earth; Licanabur volcano



UVI 18 — Arcadia T5 6%¹ Screen top² UVI

UVI 13 — Typical max natural Chameleon UVI

UVI 12 — ZooMed T8 10.0¹ Screen top² UVI

UVI 11 — Human skin burns in 10 min

UVI 7.4 — Max Cage UVI Ferguson zone 3

UVI 3 — Target Basking

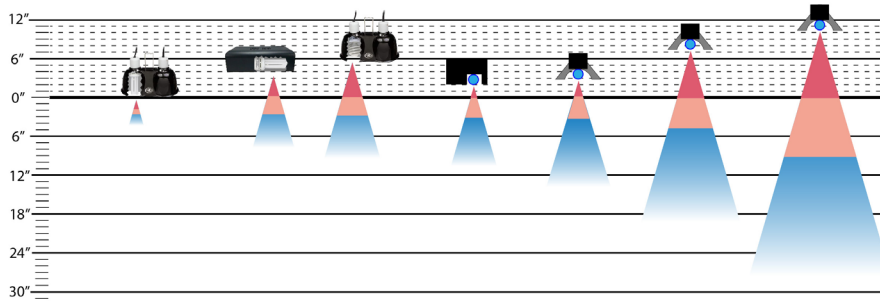
UVI 0 — Night

UVB Bulb Penetration

Brand	ZooMed	Arcadia	Exo-Terra	ZooMed	Arcadia	Arcadia	Arcadia
Line	Reptisun	D3 Compact	Reptile UVB	Reptisun	ProT5	ProT5	ProT5
Tech	T5 HO CFL	T5 HO CFL	T5 HO CFL	T8 Linear	T5 HO Linear	T5 HO Linear	T5 HO Linear
Power	5.0, 13W	12%, 26W	200, 26W	10.0, 24"	6%, 24W	12%, 24W	14%, 24W

Brand	ZooMed	Exo-Terra	ZooMed	ZooMed	Arcadia	Arcadia	Arcadia
Product	Dual Dome	Compact	Dual Dome	T8 24" Hood	ProT5 24"	ProT5 24"	ProT5 24"

All measurements taken through Phifer charcoal standard aluminum insect screen, 70% penetration
 Bulbs were aged 100 hours and warmed up for at least 30 minutes before testing



UVB levels change with the life of the bulb. The only way to know exact levels in your situation is to measure regularly with a Solarmeter 6.5.

¹Bulbs aged 100 hours and warmed up at least 30 minutes before readings taken

²Measured through Phifer charcoal standard aluminum insect screen 70% penetration