



# ThermalZooPro

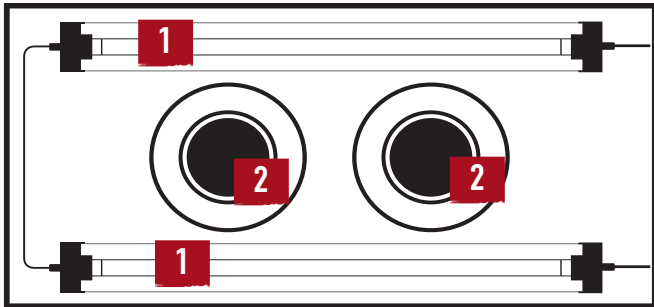


Safety, Installation and Maintenance Instructions





**ThermalZooPro™**



Depending on the variant the ThermalZooPro may contain the following.

1. Supplied with either dual 24W ProT5 UVB Kits or mix with 34W Jungle Dawn LED BAR.
2. Supplied with dual 5" Clamp fittings to power any heat lamp combination up to 250W.

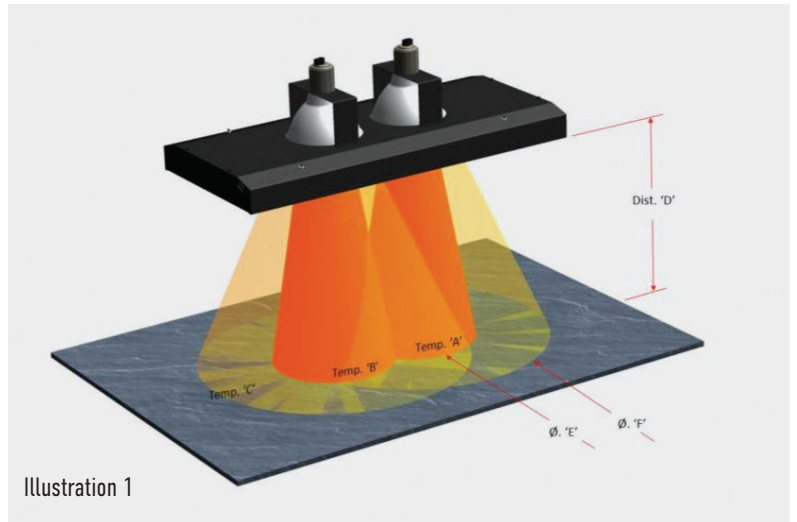
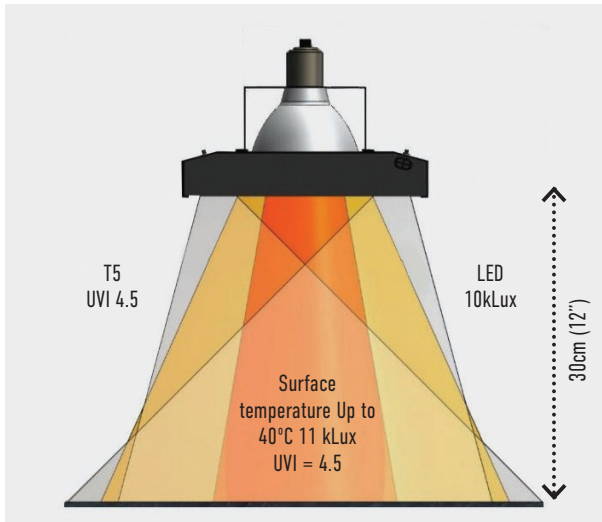
## REORDER LAMPS

LIGHTING			
CODE	PRODUCT	UV-B	WATT
RARTP24D	ProT5 UVB Kit Dragon	14%	24W
RARTP24R	ProT5 UVB Kit Desert	12%	24W
RARTP24F	ProT5 UVB Kit Forest	6%	24W
RFD3D24T5	D3+ Dragon T5 Lamp	14%	24W
RFD3P24T5	D3+ Desert T5 Lamp	12%	24W
RFD3F24T5	D3 Forest T5 Lamp	6%	24W
RAJDP3	JUNGLE DAWN LED BAR	-	34W

HEATING		
CODE	PRODUCT	WATT
RSBF100	Solar Basking Flood	100W
RSBF150	Solar Basking Flood	150W
RSBS100	Solar Basking Spot	100W
RSBS150	Solar Basking Spot	150W
RARHP50	Deep Heat Projector	50W
RSHA100E27	Halogen Heat Lamp PAR38	100W

CODE	PRODUCT	LENGTH
CPSMINLC	Link cable	1.2M

# PERFORMANCE PARAMETERS



	38cm (15")						61cm (24")					
	TEMPERATURE			DISTANCE			TEMPERATURE			DISTANCE		
	A	B	C	D	E	F	A	B	C	D	E	F
PAR 38 HALOGEN 100W FLOOD LAMPS X 2	70°C	70°C	48°C	38cm 15"	23cm 9"	51cm 20"	55.8°C	55.8°C	48°C	61cm 24"	30cm 12"	72cm 28"
RSBF 100W FLOOD X 2	44°C	44°C	33°C	38cm 15"	23cm 9"	51cm 20"	28°C	28°C	18°C	61cm 24"	30cm 12"	72cm 28"
RSBF 150W FLOOD X 2	50.8°C	50.8°C	38°C	38cm 15"	40cm 16"	92cm 36"	40°C	40°C	26°C	61cm 24"	92cm 36"	92cm 36"
RSBS 100W SPOT X 2	52°C	52°C	32°C	38cm 15"	18cm 7"	61cm 24"	48°C	48°C	32°C	61cm 24"	61cm 24"	61cm 24"
RSBS 150W SPOT X 2	65°C	65°C	34°C	38cm 15"	21cm 8"	61cm 24"	55°C	55°C	36°C	61cm 24"	61cm 24"	61cm 24"
PAR38 100W X 1, DHP 50W X 1	70°C	70°C	48°C	38cm 15"	23cm 9"	51cm 20"	55.8°C	55.8°C	38°C	61cm 24"	23cm 9"	61cm 24"

	D3+ DRAGON X 2		D3+ DESERT X 2		D3 FOREST X 2		D3 FOREST / JD LED BAR	
	24W		24W		24W		24W / 34W	
	UVI	kLux	UVI	kLux	UVI	kLux	UVI	kLux
8" / 200mm	15.5	8.4	11.2	7.8	5.1	7.5	5.1	12
12" / 300mm	10.10	5.6	8.1	5.2	4.2	5	4.2	10
15" / 375mm	6.9	4.1	6.0	3.7	3.4	3.55	3.4	7.10
18" / 450mm	5.2	1.9	4.8	1.7	2.8	1.6	2.8	4.5
20" / 500mm	4.5	0.6	3.9	0.52	2.1	0.5	2.1	3
24" / 600mm	3.3	0.11	2.7	0.1	1.6	0.1	1.6	1.9

■ Caution: High UVI

All light readings taken in a live vivarium with light coloured rock.

# KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE. READ AND FOLLOW ALL SAFETY INSTRUCTIONS.

The ThermalZoo Pro hybrid luminaire is a very powerful fitting that has been specifically designed to provide high levels of heat, illumination and UV. Follow all safety and installation instructions carefully.

**DANGER-** To avoid possible electric shock, special care should be taken during Installation and maintenance.

Do not attempt repairs yourself; return the appliance to an authorised service facility or discard the appliance.

For assistance contact [info@arcadia-reptile.com](mailto:info@arcadia-reptile.com).

This product is designed for indoor use and the illumination of vivariums only and will provide a good and safe service life, provided that these instructions are followed. Failure to do so may result in serious personal injury or property damage.

If you are in any doubt about the installation or operation of this product, please consult a qualified and experienced electrician.

Check that the voltage and frequency rating on the product label is the same as your electrical supply before proceeding further.

**WARNING -** To guard against injury, basic safety precautions should be observed, including the following:

1. Disconnect all appliances in the enclosure from the mains supply socket before carrying out maintenance on the Luminaire.
2. Always support the Luminaire when fitting or adjusting the suspension height.
3. Do not operate the Luminaire less than the recommended distance above the animal.

It is advised that no human or animal should be allowed to be any closer than 20cm to the unit during normal use but the suitable distance for use above animals is dependent on the UVI and heat projection of each type of lamp installed and the needs of each species. Greater minimum distances apply for UVB lamps (see individual lamp instructions). Please email [info@arcadia-reptile.com](mailto:info@arcadia-reptile.com) or see the lighting guide at [www.arcadiareptile.com/lighting/guide/](http://www.arcadiareptile.com/lighting/guide/) for further advice.

4. Regularly check all mountings and suspension parts.
5. Do not look directly into the light source.
6. Do not touch the light or heat sources while they are on. Turn all the lamps off and allow the light and heat sources to cool before performing maintenance on them.
7. The Luminaire can get HOT. Never touch the Luminaire while it is operating. Turn all the lamps off and allow adequate time for it to cool before attempting any maintenance.
8. A thermal, UV and photo gradient should be maintained underneath the fitting as shown in Illustration 1 and after consultation on the type of species being illuminated.
9. Do not operate the Luminaire with defective or faulty lamps – circuit damage may occur. Replace lamps promptly with a lamp of the correct type and wattage. It is advisable to keep spare lamps available.
10. Do not use the appliance other than for providing vivarium illumination. The use of non-Arcadia attachments, lamps or accessories is not recommended and may cause an unsafe condition.
11. Do not install or store the appliance where it will be exposed to extremes of temperature or water ingress.

## PHYSICAL INSTALLATION

Select a suitable site close to your electricity supply. Do not connect appliance to the mains supply socket during installation. This appliance is for indoor use only. Ensure the appliance is kept in a ventilated area and away from other heat sources. Make sure that the light from the appliance is aimed within the vivarium. This unit is IP20 and is not protected against ingress of water, it should be mounted away from all water sources.

Place the luminaire in the desired position either on top of the Vivarium mesh or suspended by the suspension kit.

Ensure the mains lead and the luminaire are kept well out of reach of animals that might bite or damage them.

## ELECTRICAL INSTALLATION

Before installing, ensure that the rated voltage and frequency of the Luminaire match that of your power supply, and that the mains lead plug is fully compatible with your mains supply socket. If in doubt, please return the unit to the point of purchase for verification.

Before connecting any of the mains leads to the mains ensure that the inline switches are off and that any switches at the mains sockets are off. This is an extra precaution to prevent any surge damage to electrical components.

Cut a slit in the cable inlet socket and push the two-pin plug through the hole and into the socket of the luminaire. Ensure it is pushed fully home.

The mains leads for the ceramic clamp lamps should be connected to a suitable thermostat to prevent animals becoming overheated.

Plug in the mains leads to the mains sockets and switch on any socket switches. Turn on the inline switches.

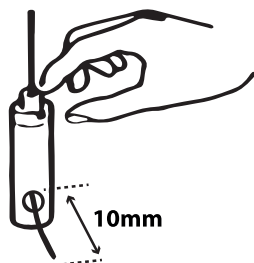
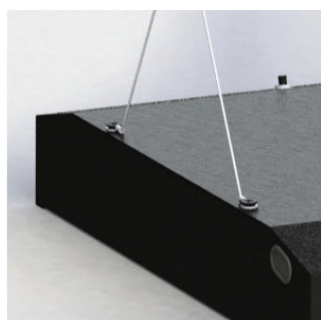
## WIRE SUSPENSION KIT

Attach the Quick-adjust holders to either end of the unit using the countersunk screws provided.

Attach the suspension wires to ceiling hooks or loop them around a convenient beam. When both suspension wires are in place, feed the wires down through the buttons on top of the Quick-adjust holders which will automatically hold the wires in position.

To lower the height of the unit, support the fitting one end at a time, and release the wire by depressing the button at the top of the quick-adjust. To raise the fitting, support it and pull the wire through the hole in the side of the quick-adjust holders.

When adjusting the fitting always ensure that there is enough wire to achieve your target height. Always leave a minimum 10 mm of wire showing. Excess wire can be concealed on the top. If cutting the wire, wrap the wire with masking tape and cut with sharp, heavy duty side cutters. Place the plastic bung on the end of the wire after cutting it.



## LINKING UNITS

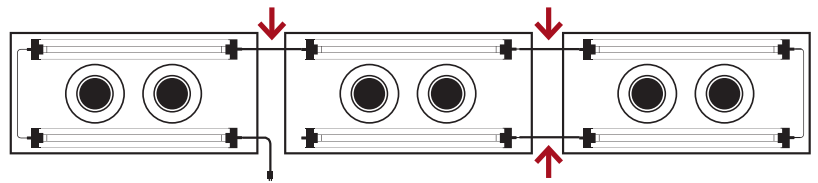
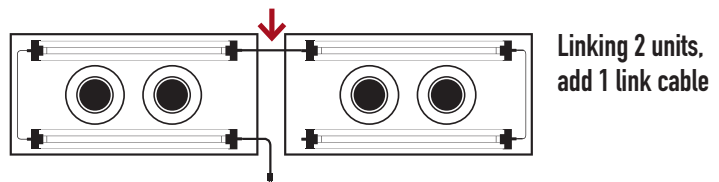
The luminaires within the ThermalZoo Pro can be linked together to be operated from a single power source. The maximum number of ThermalZoo Pros that can be linked together is 3. The heat lamps cannot be linked together as they should be operated by separate thermostats.

Link cables are not provided with the units but can be purchased separately. Part number CPSMINLC.

To link two units one link cable is required.

To link three units three link cables are required. The internal link cable in the centre unit needs to be removed. This can be used to link the first and second unit instead of a link cable if the length is sufficient.

The link cables are connected in the same way as the power cables.



## TROUBLESHOOTING

Fluorescent lamps strike almost immediately at nearly full brightness (dependent on ambient temperature) and reach their operating temperature soon after. After switching the lamps off, they can be switched on straight away.

If the Luminaire does not light:

- Check that the mains power is connected and switched on, including timer if used.
- Check the fuse box.
- Check that the luminaire is rated for the same supply voltage that you are using.
- Check that the lamps are of the correct wattage, type and length for the Luminaire.
- Check that the lamps are installed correctly.

If the heat lamps do not heat up:

- Check that the mains power is connected and switched on, including timer if used.
- Check that the thermostat is working and is set correctly.
- Check the fuse box.
- Check that the luminaire is rated for the same supply voltage that you are using.
- Check that the heat lamps are of the correct wattage, type and length for the Luminaire.
- Check that the lamps are installed correctly. Power in and link cables should be firmly inserted. Loose cables cause the unit to flicker. These should be checked monthly.

## MAINTENANCE

Caution! Disconnect all appliances in the enclosure from the mains supply before carrying out maintenance on the luminaire or if any prolonged maintenance is to be carried out within the illuminated area in the enclosure. These units can emit high levels of UV when in use which can cause skin burns.

Always support the luminaire when adjusting its height or mountings.

Regularly check the security of all parts of your hanging mechanism or mountings.

Cleaning: Disconnect from the power supply and wait till the Luminaire is cool before cleaning, this not only avoids smears but also reduces the likelihood of any damage from moisture entering the Luminaire.

Both the appearance and performance of your Luminaire can benefit from regular cleaning. A damp cloth is normally adequate to clean the body.

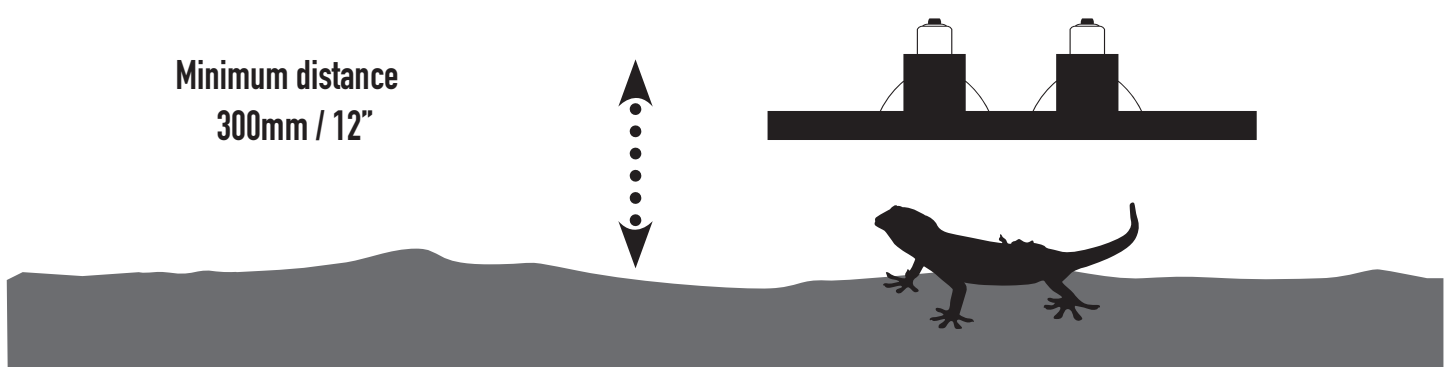
Reflectors should be maintained and gently cleaned as required with a dry macrofibre cloth to ensure good reflection and the optimum output.

ProT5 and Jungle Dawn LED Bars are clip mounted and can easily be removed for maintenance, replacement or upgrade.

## ANIMAL CARE

Visit the lighting guide on the Arcadia Reptile web site for species specific information. [www.arcadiareptile.com/lighting/guide/](http://www.arcadiareptile.com/lighting/guide/)

If there is any risk of animals gaining access to the unit, a mesh guard or screen must be placed between the unit and the animals.



## END OF USE RECYCLING INFORMATION

This product is covered by European Directive 2002/96/EC. Please do not dispose of this product or replacement lamps with your normal household waste. To safely and responsibly dispose of the product please ensure all the components are deposited in the appropriate areas of your local civic recycling centre. Proper disposal of this product helps to prevent potential negative consequences for the environment and human health.

All electronic components (this includes the power supply and the lamp holder) should be placed in the electronic waste recycling area.

If a fluorescent lamp is provided with this product it contains mercury and cannot be disposed of with normal household waste; it should be deposited in the fluorescent lamp recycling area at your local civic recycling centre or taken to any approved recycling point for fluorescent lamps.

Conformity to relevant EU Directives.

Conformity to Restriction of Hazardous Substances Directive.

Double insulation. No earth required.

Not suitable for normal household lighting or heating.

Do not look directly into light source.

Level of ingress protection. IP20 does not provide protection against water ingress.



Class II Luminaire.  
Double insulated.



Do not look directly  
at light source.

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CA



IP20 ✓RoHS CE



For use with Reptiles,  
Amphibians,  
Invertebrates & Plants.

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