TEST REPORT

Mini Report

Client:	N/A
Address:	N/A
Manufacturer:	N/A
Address:	N/A
Brand Name:	ProRep
Item Description:	T5 UVB Hood
Models:	LPV002
Rating:	220-240VAC ~ 50/60Hz
Method:	Basic fixture testing
Test result:	See enclosed data

Date of Test: April 2026

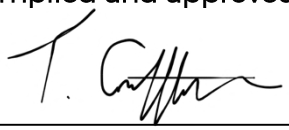
Date of Issue: April 2026

Classification: Mini Report

Number of items tested: 2

Testing Site:
Tomaskas Ltd
20-22 Wenlock Road, London, N1 7GU

Compiled and approved by:



15 April 2026

Thomas Griffiths
Director, Tomaskas Ltd

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Tomaskas Ltd is a professional consultant specialising in animal-related lighting products and welfare products for pet and professional (zoo) keeping. Tomaskas Ltd offers consultations to public, professionals, and businesses on the development of habitat setups, welfare-related keeping goals, and product development.

This is a public document and review, in which public "off-the-shelf" products have been tested within Tomaskas Ltd.'s own protocols. This report was entirely self-funded. All information is publicly available and not sensitive to any brand.

2. Item Information

Item description.....:	T5 UVB Hood
Model Number.....:	LPV002
Rated Power and Inputs.....:	220-240VAC ~ 50/60Hz
Declared CCT.....:	N/A
Manufacturer.....:	N/A
Ballast/Driver.....:	Internal – Part: 0Y-T5-286X20
Manufacturer of Ballast/Driver.....:	N/A
Date of Receipt Samples.....:	April 2026
Quantity of Receipt Samples.....:	2

3. Test equipment list

Manufacturer	Description	Equipment ID	Model	Last Calibration	Calibration Due
Solar Light Co	UVI	TEGSM65-003 SN: 02750	Solarmeter 6.5R	05 March 2023	N/A
Solar Light Co / Zoo Med Labs	UVI	TEGSM65-007 SN: ZM5550	Digital UV Index Radiometer	N/A	N/A
InventFine	Spectrometer and Flicker Meter	TEGSPEC-002 SN:YSJCV50001	SPF-500	03 March 2026	02 March 2027
Linshang	Lux/Flicker	TEGLS330-001 SN: 330001694	LS330	16 April 2025	15 April 2026
OPPLE	Lux/Flicker	TEGOLMP-004 SN:LMPIII04322	Light Master Pro III	N/A	N/A

4. Notes

Dedicated calibrated power supply, no other units using the circuit.

Units undergone 100-Hour burn-in before testing began.

Test room temperature: 20.8°C
Test room relative humidity: 51%

UK version tested.

No other remarks.

5. Brief Description

Units are a black plastic fixture with a reflective surface, marketed for use around animal enclosures as a method of controlling T5 lighting for UVB provision.

Units feature a non-polarised AC input, a common and typical IEC C7 style. At the opposite end, there is also another C7-style connector covered by a small plastic tab or cap, which allows a "pass-through" to further units in order to form a "daisy chain" system.

The fixtures themselves are similar in shape and style to others commonly seen on the market from other brands such as Arcadia and Reptile Systems.

The box clearly states what items are provided as part of the kit;

- Fixture
- Mounting hardware (screws, bolts, nuts, clips)
- Daisy chain block
- Power cable
- Instruction booklet

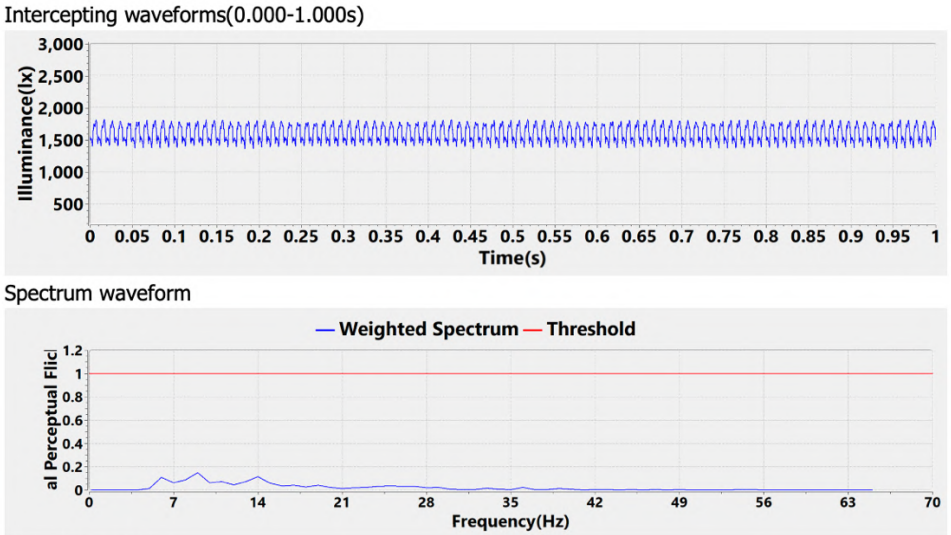
6. Test Data

Reflectance measurements using standard T5HO test lamp, at centre point.

Unit 001							
UVI	Distance (cm)	10	20	30	40	50	60
	No fixture	8.5	4.3	2.4	1.6	1.1	0.8
	With fixture	28.5	15.0	8.8	5.6	3.9	2.9

Unit 002							
UVI	Distance (cm)	10	20	30	40	50	60
	No fixture	8.5	4.3	2.4	1.6	1.1	0.8
	With fixture	27.7	14.6	8.6	5.5	3.8	2.9

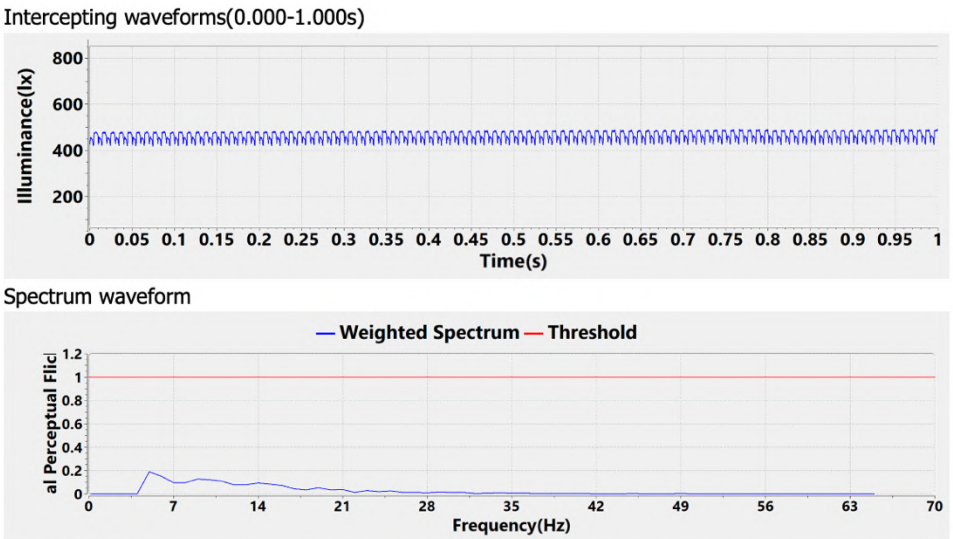
Flicker measurements



Test Result

Acceptability:	Partially Acceptable	**Avg:**	1595.326	**Min:**	1355.826
Frequency:	100.000Hz	**fb:**	71.081Hz	**d:**	82.169
Percent Flicke	12.833%	**a:**	0.338	**MP:**	0.301
Flicker Index:	0.037	**DP:**	1.812%	**Max:**	1806.746

With Arcadia part RFD324T5 (purchased 2024)



Test Result

Acceptability:	Partially Acceptable	**Avg:**	462.503	**Min:**	418.098
Frequency:	100.000Hz	**fb:**	36.266Hz	**d:**	75.796
Percent Flicke	6.926%	**a:**	0.935	**MP:**	0.404
Flicker Index:	0.018	**DP:**	3.124%	**Max:**	491.410

With Exo Terra part PT2427 (purchased 2026)

7. Remarks and Commentary

INFORMATION FROM DATA COLLECTED:

From the testing, it can be deduced that the fixture increases overall light output by around 3.5x (calculated as [With fixture]/[No fixture]).

The CE mark is ≥5mm tall, and it appears on a sticker.

The WEEE symbol is <7mm tall, and it appears on a sticker.

There is a spelling error on one of the stickers featured on the fixtures.

AUTHOR OPINION FROM DATA COLLECTED:

The increase of 3.5x is very high, significantly higher than many other similar units on the market. This does not appear to be advertised anywhere on the company website, or in any online material that I've been able to find.

The WEEE symbol, also known as 'the crossed out wheely bin', has standards set in EN 50419, including where it is clearly stated that it:

"shall have a minimum height of 7 mm"

The symbol on the fixtures doesn't meet this standard.

Although the fixtures do not include a lamp, they do make consistent references to the fact that they are to be used only with ultraviolet-emitting lamps. There is a potential that the fixtures, then, would be classified as a "UV Luminaire" under paragraph 3.17 of IEC 62471. Under such definitions, it would be appropriate to conduct a risk assessment as to whether the warnings provided are sufficient to minimise risk from UV exposure (IEC 60598-1) or whether additional warnings are required (such as IEC 60417-6040).

The included mounting hardware is fairly standard for this style of fixture. And the plastic "clips" are very similar to those seen from the "LumenIZE" range of products from Arcadia (a brand name of Monkfield Nutrition Ltd). However, the clips included in the ProRep fixtures are different from the Arcadia clips, in that they are a different size. This means that the fixtures are not compatible with each others clips.

The clips are also made from plastic, which I consider to be much less ecologically-minded than the aluminium/metal clips often historically used in similar fixtures. The ProRep fixtures are compatible with the metal clips included in fixtures from the brand Reptile Systems.

The clips do seem fairly strong, and after multiple uses none of them snapped. The fixture clicks into the clips snugly, and releases very easily with no tools required. This is a positive thing.

There appears to be a lack of mention in marketing from ProRep of the ability to daisy chain the fixtures, despite the functionality being present. This could be because there is no long cable included in the box. The identical input and output ports means that either port can be used to power the fixture, so there is no strict "input" and "output" side as is commonly seen.

However, this poses a fairly serious risk. If the plastic cap is removed, the pins from the "male" connector are very easily accessible. If the fixture is plugged in, these pins will be unprotected and are a direct link to ~230V mains power. It is very easy for a finger to short the pins, and a potentially lethal shock could occur. Because of this, the plastic cap should always be used when not utilising the daisy chain component.

The instructions, however, do not make it clear that the plastic cap should be retained in the event of removal, as a user could want to revert a fixture back to being a single unit without a daisy chain. To my knowledge, replacement caps are not available for sale either.

This means that the fixture does, in some situations, pose a very serious risk of lethal shock. And although there is a warning about shock risk, and warnings to disconnect from power before maintenance, I do think further mitigating steps are warranted. In terms of risk assessment, I believe that the risks are currently too high. A fairly simple remedy for this would have been to use a "female" IEC C7 connection at the "output" end rather than a "male" one, thus adding an extra layer of protection from fingers, typically defined as IPXXB or IP2X according to IEC 60529.

The fixtures are consistently referred to as "flicker free" on the box and in the booklet. The results appear to largely agree in that they show as "Partially Acceptable" on Energy Star's ASSIST metric, which is sometimes used for fluorescent lighting. If using the IEEE Standard 1789, then the fixtures are considered "High Risk", however this standard is designed for use with LEDs and not fluorescent lighting.

8. Photographs

Photo documents



Box and contents



Stickers, including the safety sticker with spelling error





Showcasing sizes of CE and WEEE symbols



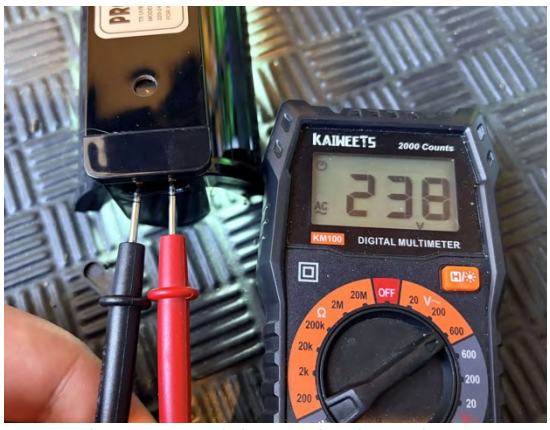
Included mounting hardware and connector block



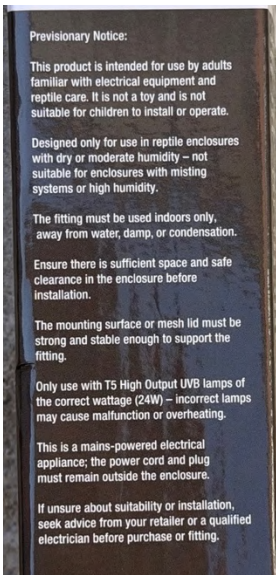


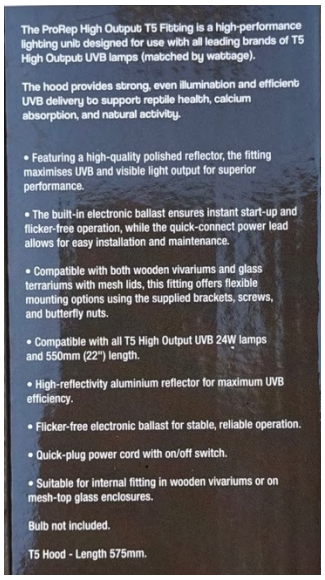


Left: Input socket Right: Output socket with and without plastic cap



~230V is very easily accessible with the plastic cap removed



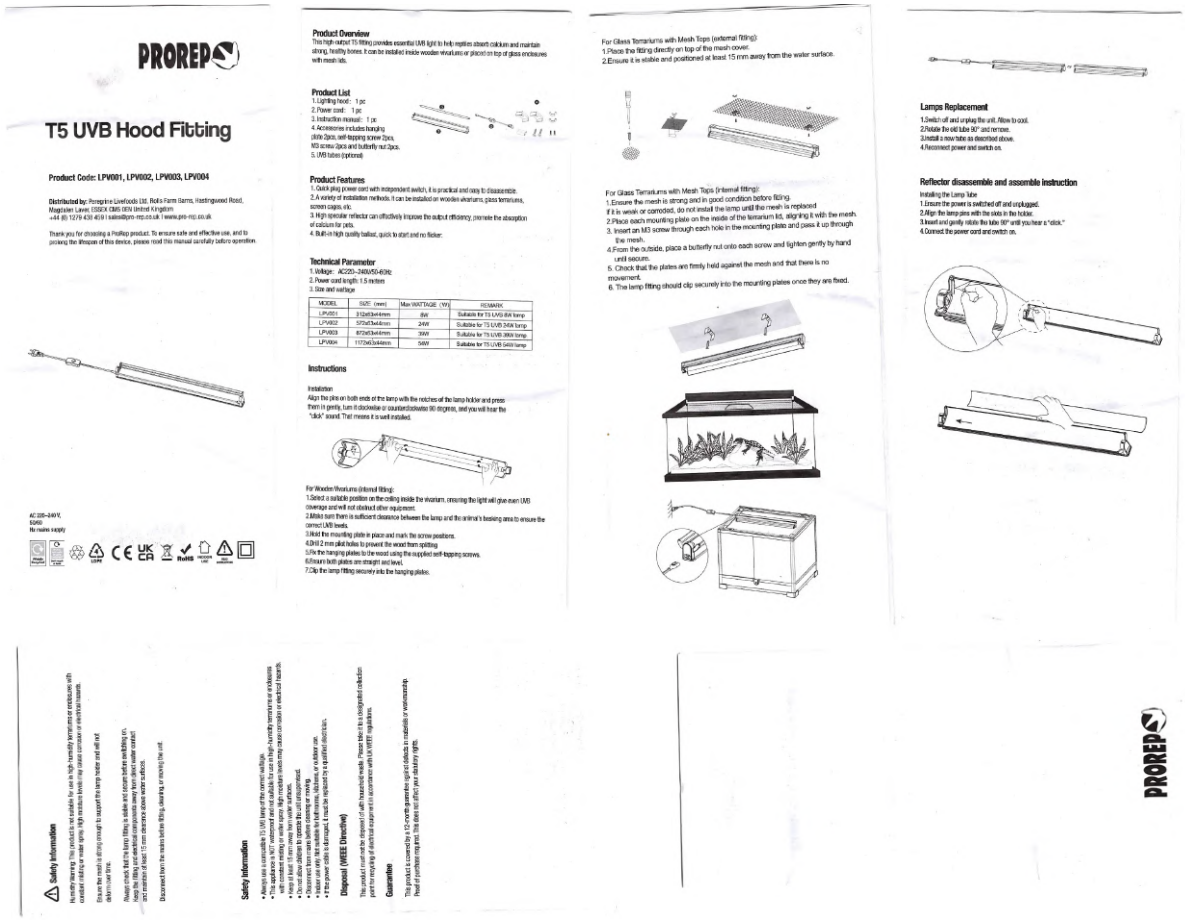








Box copy



Instruction booklet – 6 pages

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