

## T e s t R e p o r t

**Report No** : L15578

**Client:** : Tam-lite Lighting  
Stafford Park 12  
Telford  
Shropshire  
TF3 3BJ

**Description** : Tam-lite Infinity LED T5 15W Tube Range

**Manufacturer** : Not Disclosed

**Type/Model** : LED15WT5O840

**Test Specification** : Measurement of power consumption in accordance with the  
'Unmetered Supplies Operational Information Document' –  
Version 14.0 (17/12/2014)

**Date Testing Started** : 24/02/2016

**Conclusion** : Refer to body of report

**Date of Issue** : 26/02/2016

**Date of Expiry** : 25/02/2021

**Tested by:** M.ALI  
**Position:** Photometric Engineer



**Approved:** K.GOVINDEN  
**Position:** Technical Manager



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## **INTRODUCTION**

Tamlite Lighting has supplied the product identified in table 1 for measurement of power consumption in accordance with the 'Unmetered Supplies Operational Information Document' – Version 14.0 (17/12/2014).

## **PRODUCT DETAILS**

**Table 1. Test Sample Details**

Product Description	Tamlite Infinity LED T5 15W Tube Range
Model No.	LED15WT5O840
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	1160mm x 20mm
Product Supply Requirement	90-227V AC 50/60Hz
Lamp Type and Power	LED 15W
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

The customer has declared that the equipment load does not vary with ambient temperature.

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## **RESULTS**

**Table 2. Wattage and VA results for Tam-lite Infinity LED T5 15W Tube Range**

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	13.92	13.24	13.28	13.44	13.43
220	13.93	13.27	13.31	13.48	13.45
230	13.93	13.30	13.23	13.51	13.49
240	13.98	13.33	13.37	13.53	13.53
250	14.03	13.37	13.41	13.57	13.58
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	14.80	14.12	14.13	14.38	14.33
220	15.00	14.23	14.26	14.51	14.51
230	15.28	14.36	14.42	14.65	14.77
240	15.63	14.51	14.68	14.81	15.08
250	15.99	14.73	14.98	15.04	15.42
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.94	0.94	0.94	0.93	0.94
220	0.93	0.93	0.93	0.93	0.93
230	0.91	0.93	0.92	0.92	0.91
240	0.89	0.92	0.91	0.91	0.90
250	0.88	0.91	0.90	0.90	0.88
Ambient Temperature During Test (°C)			20.1		
PF Leading/Lagging			Leading		

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### **DEVIATION(S) FROM TEST STANDARD**

No reported deviations from test standard.

### **MEASUREMENT UNCERTAINTY**

The following expanded uncertainties apply to the measurements shown in the results;

True Power (W):  $\pm 0.69\%$ , Apparent Power (VA):  $\pm 0.61\%$

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor  $k=2$ , providing a coverage probability of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

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## ILLUSTRATION



Figure 1. *Product image*

End