

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

**Report No** : L16332

**Client:** : Tamlite Lighting  
Stafford Park 12  
Telford  
Shropshire  
TF3 3BJ

**Description** : Infinity LED T8 retrofit lamp

**Manufacturer** : Not Disclosed

**Type/Model** : LED22WC840

**Test Specification** : Measurement of power consumption in accordance with the  
'Unmetered Supplies Operational Information Document' –  
Version 16.0 (16/11/2016)

**Date Testing Started** : 28/02/2017

**Conclusion** : Refer to body of report

**Date of Issue** : 01/03/2017

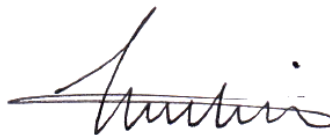
**Date of Expiry** : 28/02/2022

**Tested by:** A.BROTHWOOD  
**Position:** Laboratory Engineer



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**Approved:** T.MALIK  
**Position:** Operations & Quality  
Manager



## **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 16.0 (16/11/2016).

## **PRODUCT DETAILS**

**Table 1. Test Sample Details**

Product Description	Infinity LED T8 retrofit lamp
Model No.	LED22WC840
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	L1500mm x Ø25mm
Product Supply Requirement	90-277V AC 50/60Hz 0.5A Max
Lamp Type and Power	LED 22W
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 Infinity LED T8 retrofit lamp**

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	22.03	22.42	22.26	22.16	22.16
220	22.04	22.43	22.27	22.15	22.16
230	22.04	22.45	22.29	22.14	22.14
240	22.06	22.46	22.30	22.15	22.15
250	22.10	22.51	22.34	22.19	22.19
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	22.39	22.74	22.58	22.46	22.48
220	22.46	22.81	22.65	22.52	22.55
230	22.52	22.89	22.72	22.56	22.59
240	22.57	22.98	22.79	22.65	22.68
250	22.70	23.11	22.92	22.79	22.83
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.98	0.99	0.99	0.99	0.99
220	0.98	0.98	0.98	0.98	0.98
230	0.98	0.98	0.98	0.98	0.98
240	0.98	0.98	0.98	0.98	0.98
250	0.97	0.97	0.97	0.97	0.97
Ambient Temperature During Test (°C)			23.3		
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;

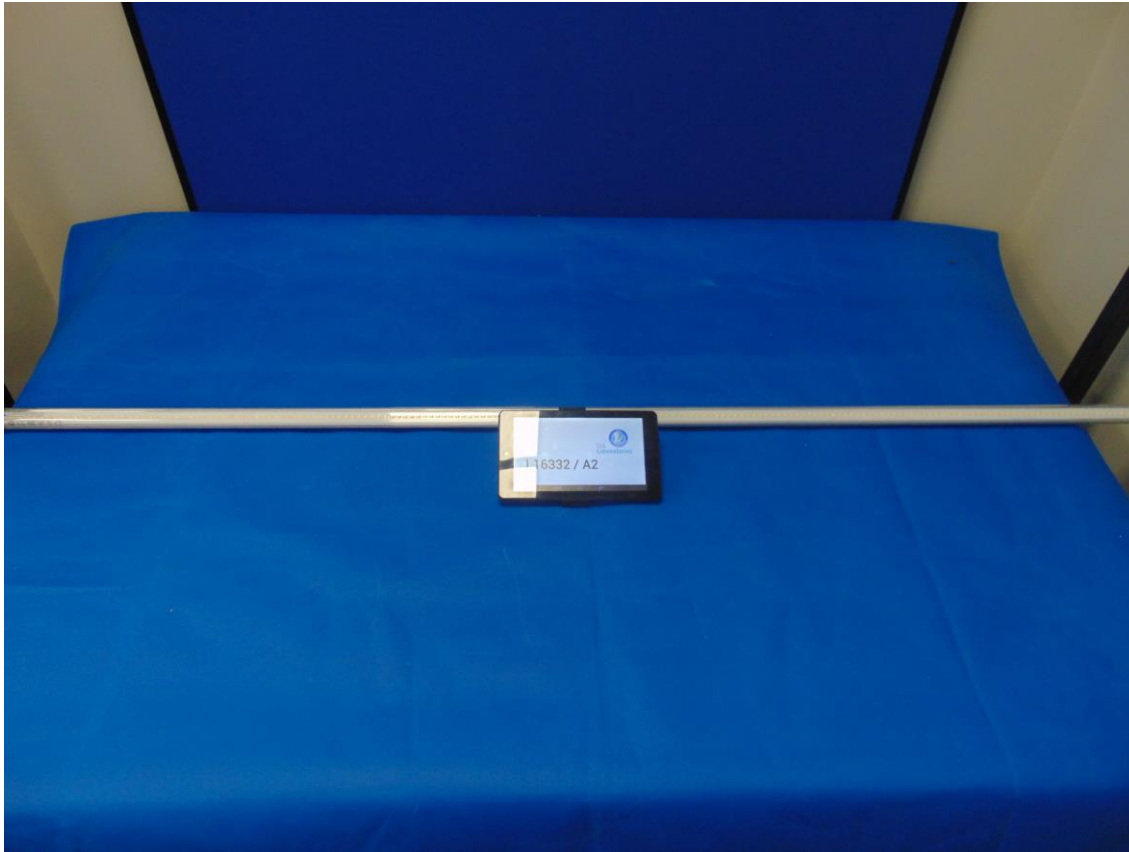
True Power (W):  $\pm 0.69\%$ , Apparent Power (VA):  $\pm 0.61\%$

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***

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**End**