

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

**Report No** : L16339

**Client:** : Venture Lighting Europe Limited  
Unit 11 Willow Farm Business Park  
Castle Donnington  
DE74 2US

**Description** : 50W IDT Pro Street Light

**Manufacturer** : Not Disclosed

**Type/Model** : STL031

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

**Date Testing Started** : 03/03/2017

**Conclusion** : Refer to body of report

**Date of Issue** : 07/03/2017

**Date of Expiry** : 06/03/2022

**Tested by:** F.RAVAT  
**Position:** Laboratory Engineer



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



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## **INTRODUCTION**

Venture Lighting Europe Limited 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	50W IDT Pro Street Light
Model No.	STL031
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	420mm x 194mm x 114mm
Product Supply Requirement	220-240V 50/60Hz
Lamp Type and Power	LED 50W
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 50W IDT Pro Street Light**

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	50.05	49.70	50.53	49.24	49.86
220	49.97	49.79	50.33	49.04	49.69
230	49.92	49.95	50.25	48.97	49.65
240	50.05	50.24	50.41	49.13	49.81
250	50.40	50.70	50.77	49.47	50.16
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	50.56	50.22	51.04	49.77	50.39
220	50.59	50.43	50.96	49.68	50.36
230	50.66	50.72	51.00	49.76	50.45
240	50.95	51.15	51.32	50.06	50.76
250	51.45	51.76	51.83	50.55	51.26
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.99	0.99	0.99	0.99	0.99
220	0.99	0.99	0.99	0.99	0.99
230	0.99	0.98	0.99	0.98	0.98
240	0.98	0.98	0.98	0.98	0.98
250	0.98	0.98	0.98	0.98	0.98
Ambient Temperature During Test (°C)			25.2		
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;

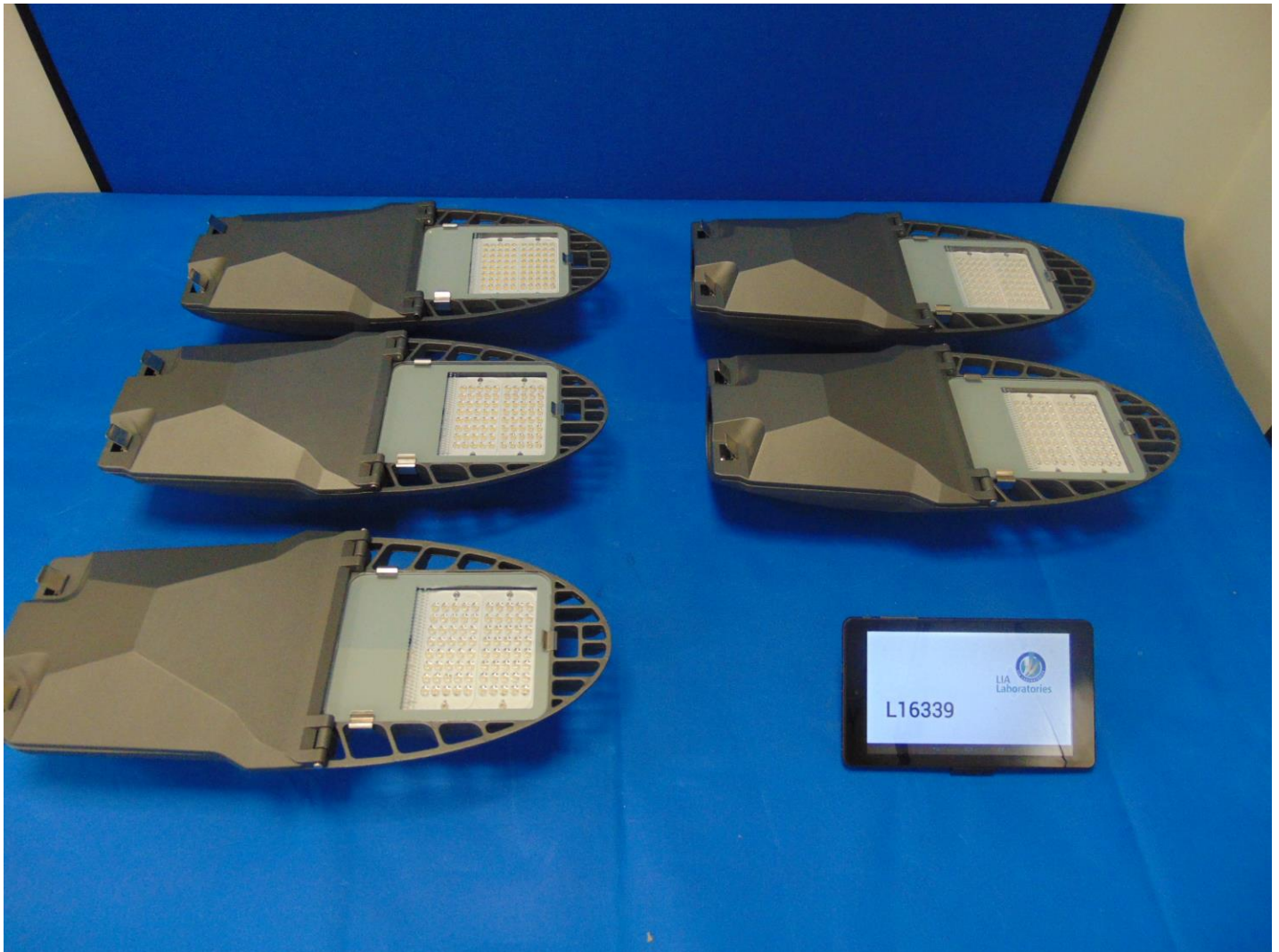
True Power (W):  $\pm 0.69\%$ , Apparent Power (VA):  $\pm 0.61\%$

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**