

T e s t R e p o r t

Report No : L16338

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

Description : 25W IDT Pro Street Light

Manufacturer : Not Disclosed

Type/Model : STL030

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 : 06/03/2017

Date of Expiry : 05/03/2022

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	25W IDT Pro Street Light
Model No.	STL030
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	535mm x 241mm x 141mm
Product Supply Requirement	220-240V AC 50Hz
Lamp Type and Power	LED 25W
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 25W IDT Pro Street Light

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	27.65	26.12	27.59	26.27	27.80
220	25.93	24.49	25.85	24.79	26.10
230	24.72	23.59	24.52	23.94	24.77
240	24.18	23.17	23.95	23.57	24.20
250	23.94	22.97	23.69	23.41	23.94
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	28.41	26.89	28.33	27.14	28.50
220	26.85	25.43	26.77	25.72	26.98
230	25.82	24.69	25.61	25.03	25.81
240	25.44	24.43	25.21	24.81	25.40
250	25.37	24.39	25.11	24.81	25.62
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.97	0.97	0.97	0.97	0.98
220	0.97	0.96	0.97	0.96	0.97
230	0.96	0.96	0.96	0.96	0.96
240	0.95	0.95	0.95	0.95	0.95
250	0.94	0.94	0.94	0.94	0.93
Ambient Temperature During Test (°C)			23.5		
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