

# UMSUG TEST REPORT

Report Number: TLR 116

Issued on 15/12/2014



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## Customer Details

Signature Ltd  
Signature House  
Hainge Road  
Tividale, OLDBURY  
West Midlands, B69 2NY  
United Kingdom

## Customer Reference

TLR 116

## Product Tested

The following electrical testing was carried out on the below mentioned product.

Product Code Number	SUB-CORR-LED-1200
Product Description	LED Subway Unit 1200mm

Date Received: 15/12/2014

## Test Specification

Measurement of power consumption in accordance with "Unmetered Supplies Operational Information Document Version 13.0 (7<sup>th</sup> November 2013)".

## Date & Sign

Date Tested: 15/12/2014

Test Conducted By: Haseeb Mirza (Laboratory Technician)

Signature: 

Approved By: Kishan Ram (Laboratory Manager)

Signature: 

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## Test Conditions

Tests were performed in the following controlled laboratory conditions.

1. Room ambient @ 20 +/- 2 degrees Celsius
2. Fitting assembly tested in free-air
3. Accuracy of the measurements +/-2%

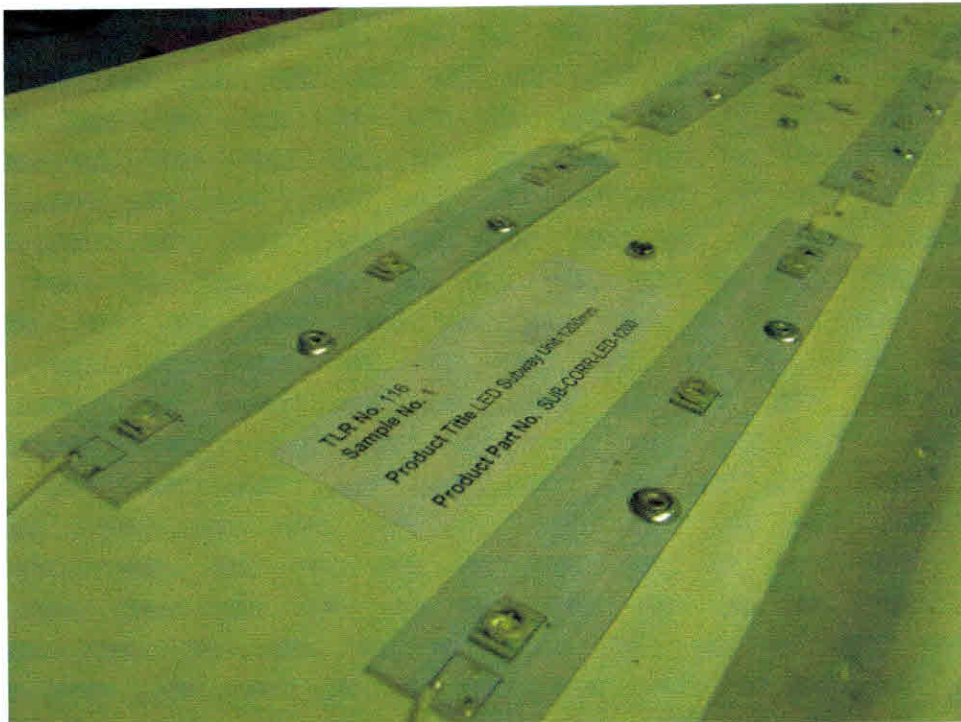
## Test Equipment Used

Tests were performed using the following equipment.

1. UMSUG Testing Machine
2. VARIAC (within calibration date)
3. Fluke 43B Power Quality Analyser (within calibration date)
4. Fluke i30 Current Clamp Meter (within calibration date)

## Product Illustration

The picture below illustrates the product to be tested.



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## Test Data

The below tables provide the power test analysis on 5 samples of the product.

Sample No.1	Voltage	Watts	VA	Power Factor
	210	3.77	3.83	0.98
	220	3.80	3.87	0.98
	230	3.82	3.91	0.98
	240	3.85	3.94	0.98
	250	3.87	3.99	0.97

Sample No.2	Voltage	Watts	VA	Power Factor
	210	3.79	3.85	0.98
	220	3.80	3.87	0.98
	230	3.82	3.91	0.98
	240	3.84	3.94	0.97
	250	3.86	3.98	0.97

Sample No.3	Voltage	Watts	VA	Power Factor
	210	3.13	3.19	0.98
	220	3.15	3.22	0.98
	230	3.18	3.27	0.97
	240	3.20	3.31	0.97
	250	3.23	3.35	0.96

Sample No.4	Voltage	Watts	VA	Power Factor
	210	3.88	3.92	0.99
	220	3.90	3.96	0.99
	230	3.92	3.99	0.98
	240	3.95	4.03	0.98
	250	3.97	4.07	0.98

Sample No.5	Voltage	Watts	VA	Power Factor
	210	3.80	3.85	0.99
	220	3.82	3.87	0.99
	230	3.84	3.91	0.98
	240	3.87	3.96	0.98
	250	3.89	4.00	0.98

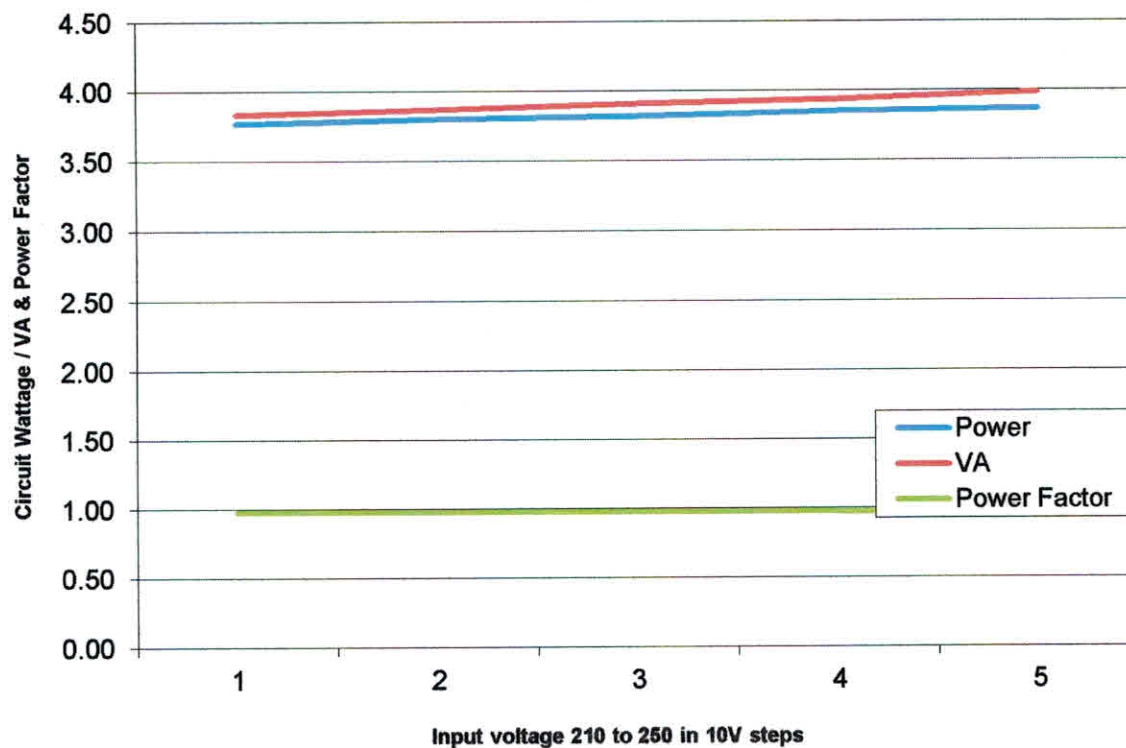
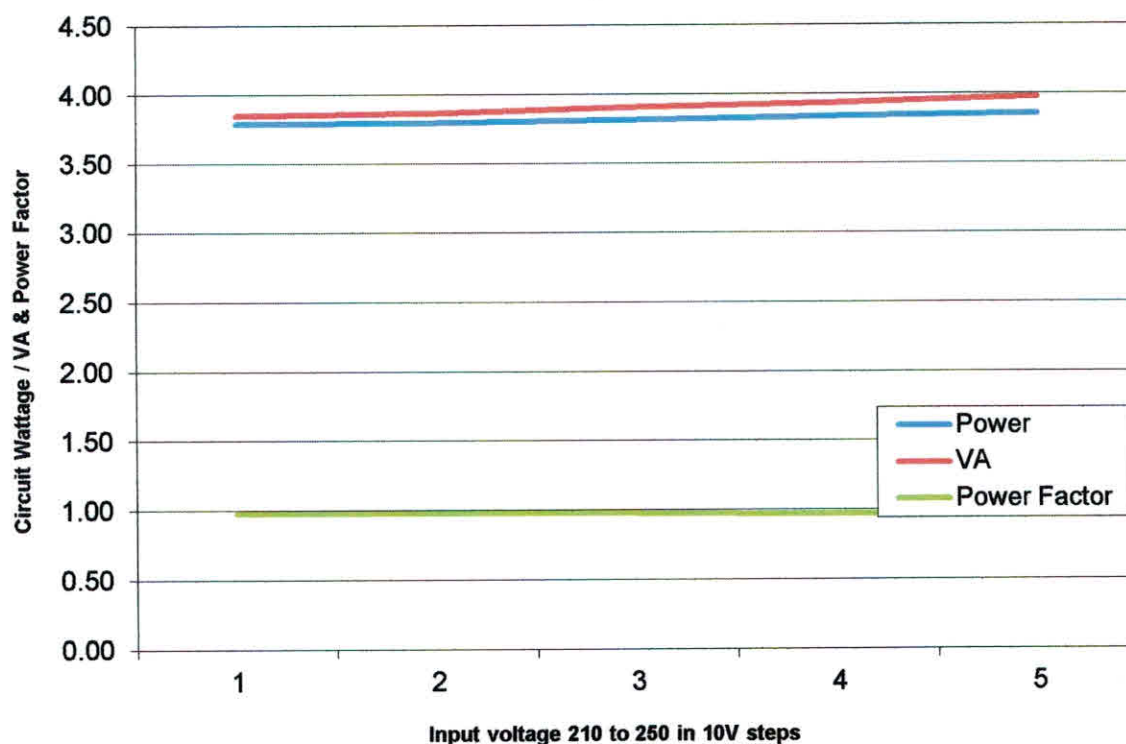


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## Graphs of Circuit Wattage Vs Circuit Voltage for each of the 5 Product Samples

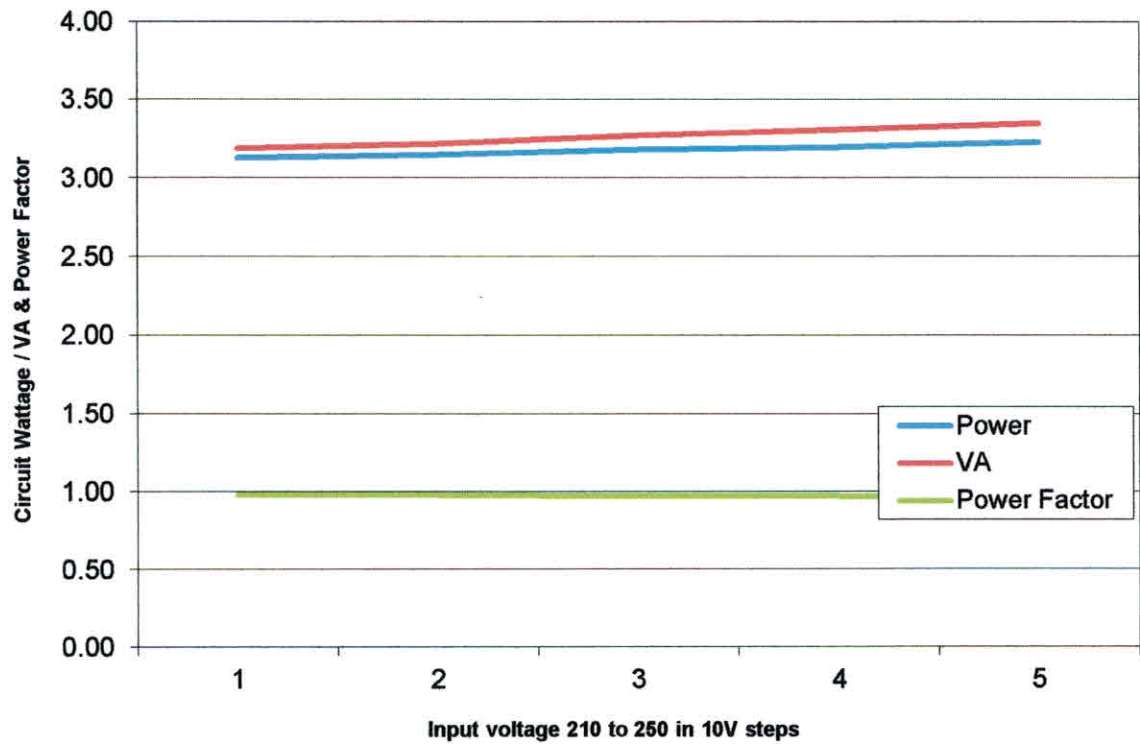
**Sample No. 1****Sample No. 2**

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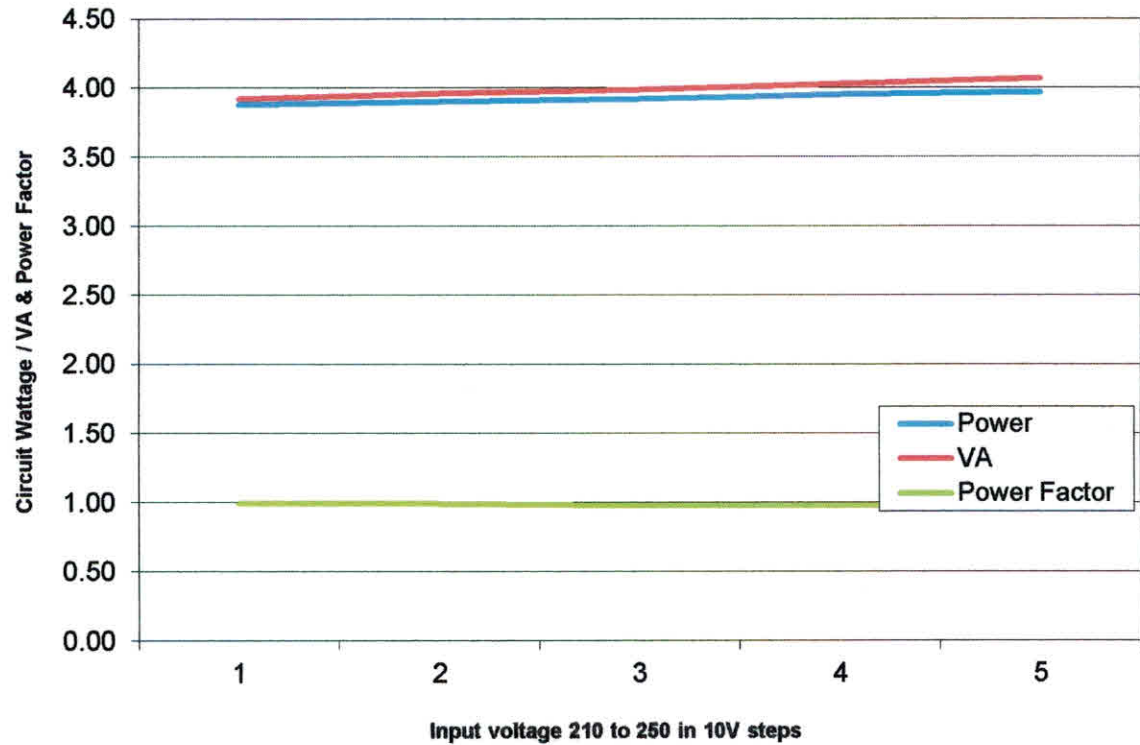
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Sample No. 3



Sample No. 4

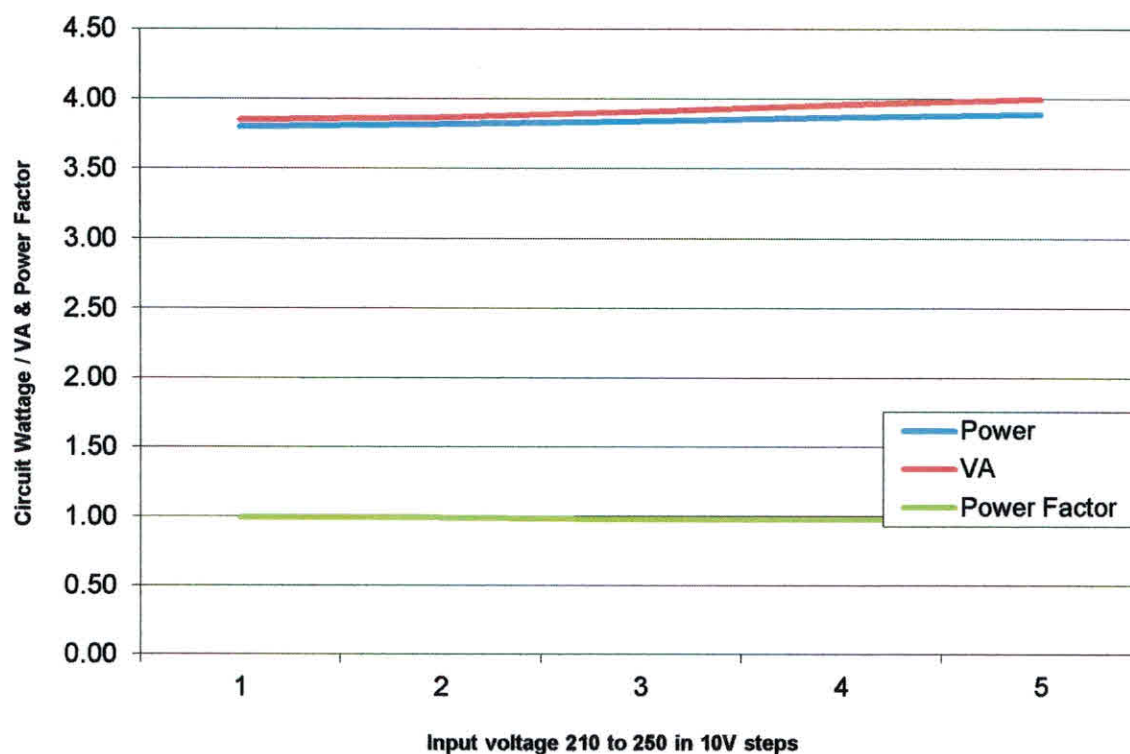


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## Sample No. 5



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END OF TEST REPORT