

# UMSUG TEST REPORT

Report Number: TLR 151

Issued on 11-07-18



MALLATITE Ltd

Tividale, OLDBURY  
West Midlands, B69 2NY  
United Kingdom  
Phone: +44 (0) 121 557 0234  
Fax: +44 (0) 121 557 0995  
www.mallatiteltd.com  
Email: kishan.ram@mallatite.co.uk



8297

## Customer Details

Light Efficient Design  
188 S. Northwest Highway  
Cary, IL 60013  
USA

## Customer Reference

TLR151

## Product Tested

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

Product Code Number	LED - 8087 - ** -*** - A
Product Description	30W LED Retrofit Lamp

Date Received: 06-07-18

## Test Specification

Measurement of power consumption in accordance with "Unmetered Supplies Operational Information Document Version 18.0 (11<sup>th</sup> April 2018)".

## Date & Sign

Date Tested: 10<sup>th</sup> July 2018

Test Conducted By: Kishan Ram (Laboratory Manager)

Signature: 

Approved By: Kishan Ram (Laboratory Manager)

Signature: 

# UMSUG TEST REPORT

Report Number: TLR 151

Issued on 11-07-18

## 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.



# UMSUG TEST REPORT

Report Number: TLR 151

Issued on 11-07-18

## 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	32	33	0.97
	220	32.3	33.4	0.97
	230	32.3	33.6	0.96
	240	32.4	33.8	0.96
	250	32.6	34.2	0.95

Sample No.2	Voltage	Watts	VA	Power Factor
	210	30.5	31.6	0.97
	220	30.6	31.8	0.96
	230	30.8	32.1	0.96
	240	30.7	32.1	0.96
	250	30.9	32.5	0.95

Sample No.3	Voltage	Watts	VA	Power Factor
	210	31.6	32.6	0.97
	220	31.7	32.8	0.97
	230	31.8	33	0.96
	240	31.9	33.3	0.96
	250	32	33.5	0.95

Sample No.4	Voltage	Watts	VA	Power Factor
	210	31.6	32.5	0.97
	220	31.7	32.8	0.97
	230	31.7	32.9	0.96
	240	31.8	33.2	0.96
	250	31.9	33.4	0.96

Sample No.5	Voltage	Watts	VA	Power Factor
	210	32.2	33.1	0.97
	220	32.5	33.5	0.97
	230	32.6	33.8	0.96
	240	32.7	34	0.96
	250	32.7	34.1	0.96

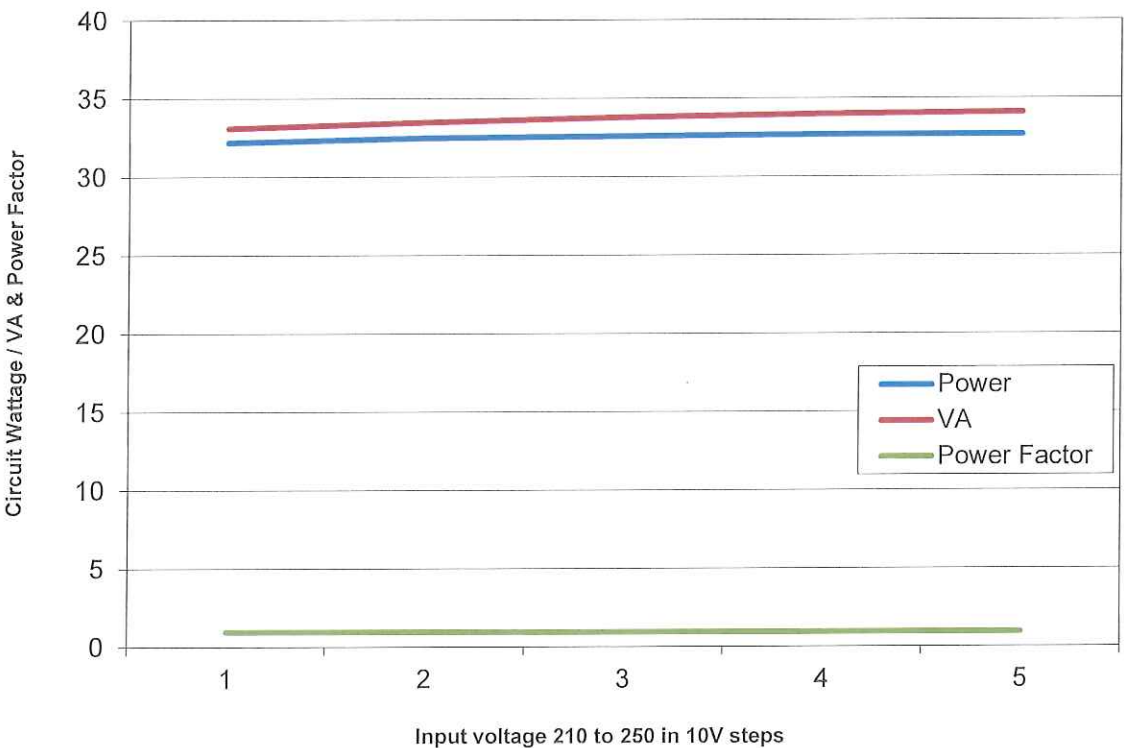
# UMSUG TEST REPORT

Report Number: TLR 151

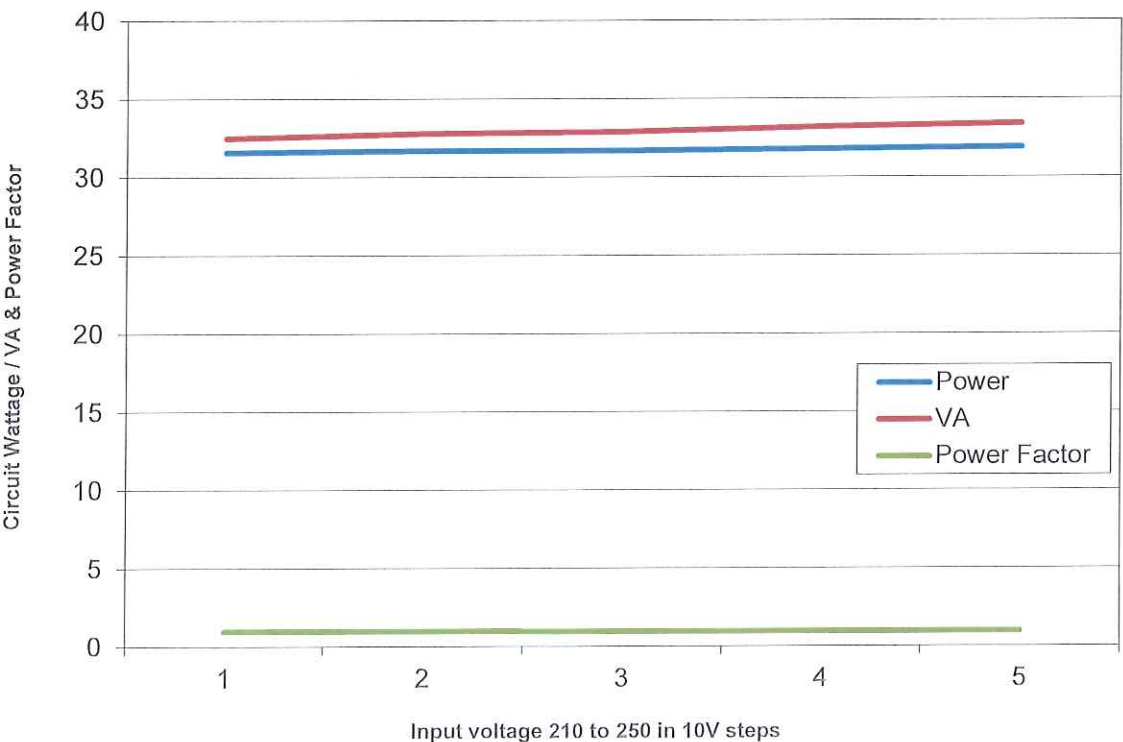
Issued on 11-07-18

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

Sample No. 1



Sample No. 2

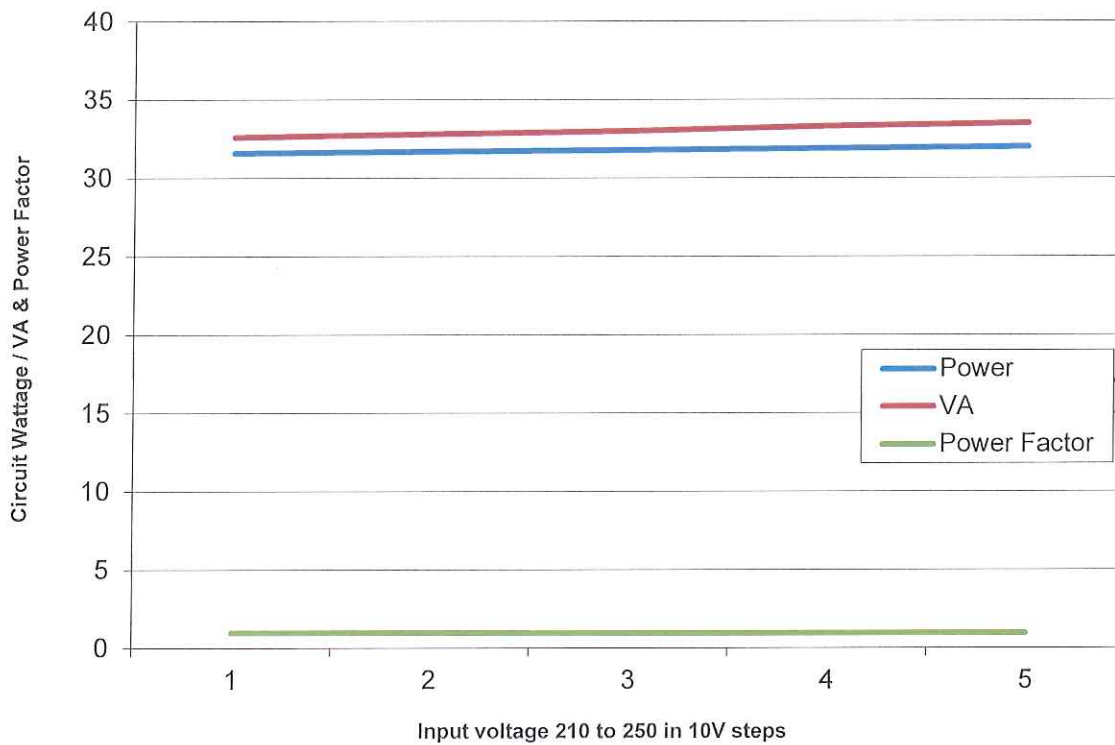


## UMSUG TEST REPORT

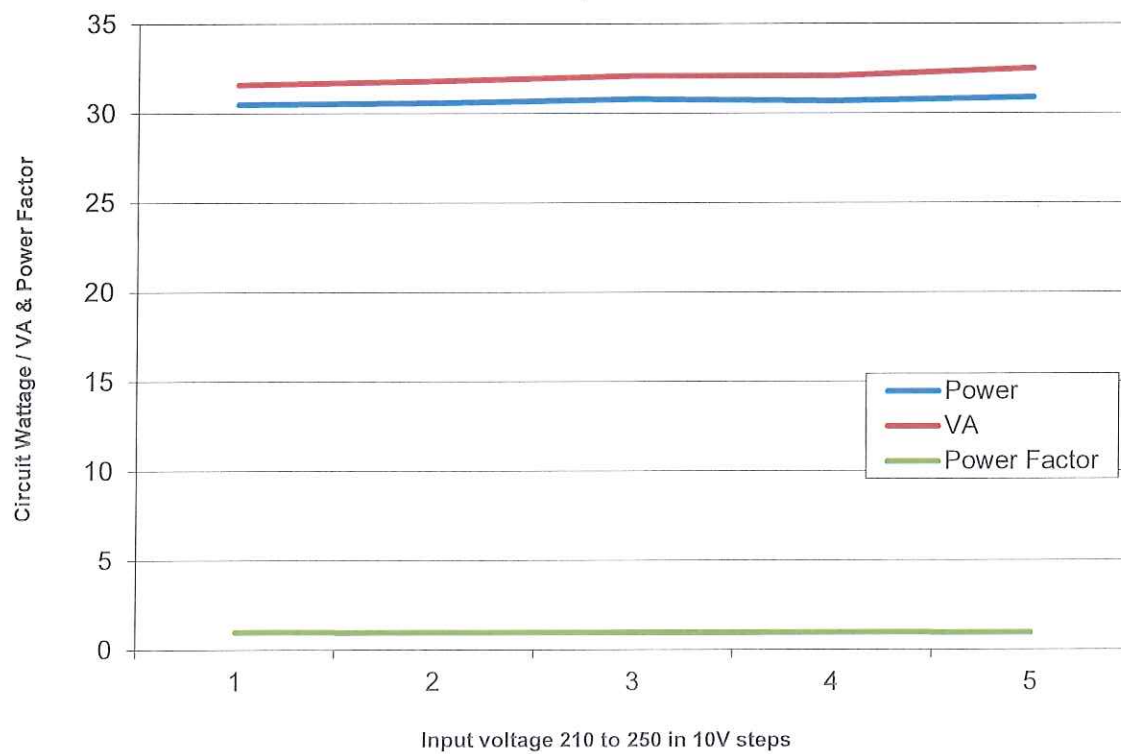
Report Number: TLR 151

Issued on 11-07-18

Sample No. 3



Sample No. 4

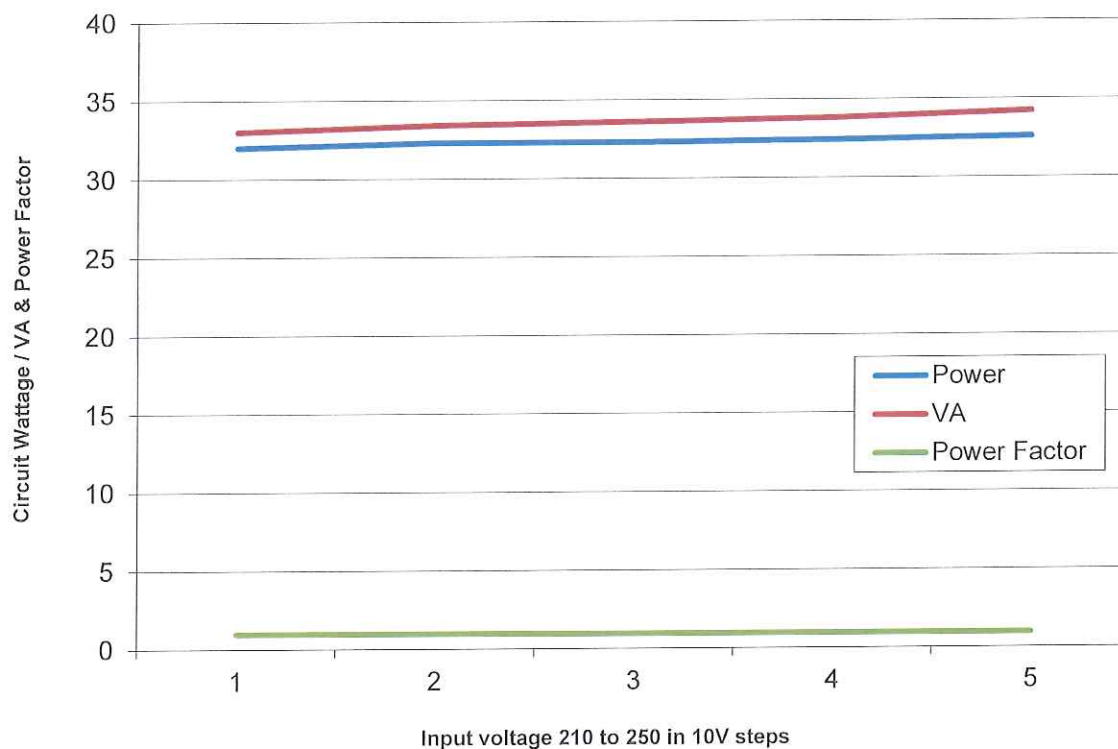


# UMSUG TEST REPORT

Report Number: TLR 151

Issued on 11-07-18

## Sample No. 5



## Conclusion

The above tests have been completed in accordance with the requirements of:

1. Elexon Guide to Unmetered Supplies under the BSC (version 18); and
2. Mallatite Ltd Testing Schedule 8297 (version 006).

The results are compliant.

END OF TEST REPORT