

# Test Report No 151124-034301-F

## Standby Power Measurement

Customer		Issuer	
Name:	<b>goughlui.com Testing</b>	Name:	<b>goughlui.com</b>
Address:	1 RoadTest Ave RoadTestVille RoadTestState 1234 RoadTestNation	Address:	1 RoadTest Ave RoadTestVille RoadTestState 1234 RoadTestNation
		Date of issue:	<b>2015-Nov-24</b>
Unit Under Test		Reference Instrument	
Manufacturer:	<b>OSRAM</b>	Manufacturer:	<b>Tektronix</b>
Description:	Lightify 9.5W Tunable White LED Globe	Description:	Power Analyzer
Model:		Model:	PA1000
Serial Number:		Serial Number:	B010272
Rated Voltage:		Firmware Version:	Ver.1.3.15
Rated Frequency:		Test Software:	PWRVIEW ver. 1.1.8.3
Documentation ref:			
Configuration:			
Test Conditions		Test Summary	
Time of Test:	<b>2015-Nov-24 03:43:01 PM</b>	Average Power:	<b>566.99 mW</b>
Test Voltage:	230V ±1%	Power Limit:	1.0000 W
Test Frequency:	50Hz ±1%	Power Stability:	9.4815 mW/h
Voltage Distortion:	< 2% THC	Uncertainty*:	22.991 mW
Voltage Crest Factor:	1.34 < Vcf < 1.49	Test Period:	00:15:00
Temperature:	23°C ±3°C	Test Method:	Sampling (IEC62301 Ed.2)
Humidity:	< 75%	Test Status:	<b>PASS</b>

Power measurements were carried out in accordance with the requirements of IEC 62301 Ed. 2 "Measurement of standby power" and EN 50564:2011 "Electrical and electronic household and office equipment - Measurement of low power consumption" in the laboratory environment, using equipment traceable to national or international standards. All testing was performed under computer control.

\* Uncertainty quoted is an average of power measurement uncertainties from the last 2/3 of the test which are due only to the accuracy of the reference instrument used. If Uncertainty is marked as FAIL it means that at least one power measurement uncertainty in the last 2/3 of the test exceeded the limit prescribed in the standard.

Test Notes	Test Officer
<none>	Full Name: <b>Gough Lui</b>
	Signature: _____

## Results

<i>All values in this table refer to results from the last 2/3 of the test</i>	<i>Average</i>	<i>Minimum</i>	<i>Maximum</i>	<i>Min.Limit</i>	<i>Max.Limit</i>	<i>Status</i>
<b>Power</b>	<b>566.99 mW</b>	<b>551.59 mW</b>	<b>579.29 mW</b>	<b>N/A</b>	<b>1.0000 W</b>	<b>PASS</b>
<i>Voltage</i>	231.43 V	231.38 V	231.50 V	227.70 V	232.30 V	PASS
<i>Current</i>	12.599 mA	12.259 mA	12.874 mA	N/A	N/A	N/A
<i>Frequency</i>	50.056 Hz	50.054 Hz	50.057 Hz	49.500 Hz	50.500 Hz	PASS
<i>Power Factor</i>	194.47 m	189.87 m	199.65 m	N/A	N/A	N/A
<i>Voltage Crest Factor</i>	1.4502	1.4491	1.4518	1.3400	1.4900	PASS
<i>Current Crest Factor</i>	11.205	9.6886	12.132	N/A	N/A	N/A
<i>Voltage THC</i>	561.65 m%	549.46 m%	572.31 m%	N/A	2.0000 %	PASS
<i>Uncertainty Ratio*</i>	2.3726	2.0525	2.5651	1.0000	N/A	PASS
<i>Result Interval</i>	N/A	N/A	0.5040 s	N/A	1.0000 s	PASS

\* Uncertainty Ratio is the ratio of 'Ulim/Ures', where 'Ures' is the uncertainty of each power measurement, due only to the accuracy of the reference instrument used.

'Ulim' is the absolute allowed uncertainty, calculated for each power measurement in accordance with IEC63201 Ed.2 / EN 50564:2011 standards.

If Uncertainty Ratio is marked as FAIL it means that at least one power measurement uncertainty in the last 2/3 of the test exceeded the limit prescribed in the standard.

### Power Graphs

