

T e s t R e p o r t

Report No : Cer1579-200318

Client: : TRT Lighting Ltd
Heming Point
Claybrook Drive
Washford Ind Est
Redditch
B98 0FH

Description : JUNO A

Manufacturer : Not Disclosed

Type/Model : JUN17672LF

Test Specification : Measurement of power consumption in accordance with the
'Unmetered Supplies Operational Information Document' –
Version 17.0 (15/03/2017)

Date Testing Started : 19/03/2018

Conclusion : Refer to body of report

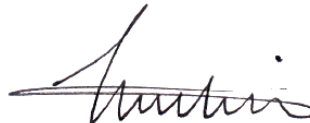
Date of Issue : 22/03/2018

Date of Expiry : 21/03/2023

Reviewed by: A. BOROVY
Position: Technical Lead –
Product Safety



Approved by: T. MALIK
Position: Operations Manager



INTRODUCTION

The products identified in table 1 were tested at the premises of TRT Lighting Ltd for measurement of power consumption in accordance with the 'Unmetered Supplies Operational Information Document' – Version 17.0 (15/03/2017).

PRODUCT DETAILS

Table 1. Test Sample Details

Product Description	JUNO A
Model No.	JUN17672LF
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	510mm x 510mm x 580mm
Product Supply Requirement	240V, 50Hz
Lamp Type and Power	LED, 35W
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 JUN17672LF 31W

Operating Mode	325mA drive current				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	35.21	34.86	34.76	35.18	35.20
220	35.22	34.79	34.76	35.19	35.20
230	35.22	34.80	34.78	35.25	35.23
240	35.23	34.80	34.78	35.22	35.23
250	35.24	34.82	34.80	35.25	35.24
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	36.20	35.83	35.74	36.77	36.18
220	36.55	36.11	36.02	37.12	36.50
230	36.88	36.49	36.44	37.57	36.93
240	37.31	36.85	36.83	37.93	37.30
250	37.79	37.34	37.30	38.44	37.33
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.97	0.97	0.97	0.96	0.97
220	0.96	0.96	0.97	0.95	0.96
230	0.95	0.95	0.95	0.94	0.95
240	0.94	0.94	0.94	0.93	0.94
250	0.93	0.93	0.93	0.92	0.94
Ambient Temperature During Test (°C)			25.0		
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;

For power range 5W to 50W

True Power (W): $\pm 0.25\%$, Apparent Power (VA): $\pm 0.39\%$

For power range 50W to 100W

True Power (W): $\pm 0.25\%$, Apparent Power (VA): $\pm 0.39\%$

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