

T e s t R e p o r t

Report No : L15392

Client: : Zeta Specialist Lighting
2 performance Close
Telford Road
Bicester
Oxfordshire
OX26 4LB

Description : 600mm Morelock

Manufacturer : Not Disclosed

Type/Model : 600mm Morelock

Test Specification : Measurement of power consumption in accordance with the
'Unmetered Supplies Operational Information Document' –
Version 14.0 (17/12/2014)

Date Testing Started : 30/10/2015

Conclusion : Refer to body of report

Date of Issue : 04/11/2015

Date of Expiry : 03/11/2020

Tested by: M.ALI
Position: Photometric Engineer



Approved: J.ADAMS
Position: Laboratory Supervisor



INTRODUCTION

Zeta Specialist Lighting has supplied the product identified in table 1 for measurement of power consumption in accordance with the 'Unmetered Supplies Operational Information Document' – Version 14.0 (17/12/2014).

PRODUCT DETAILS

Table 1. Test Sample Details

Product Description	600mm Morelock
Model No.	600mm Morelock
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	600mm Ø
Product Supply Requirement	100-240V 50/60Hz
Lamp Type and Power	LED
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 600mm Morelock*

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	8.59	8.56	8.55	8.41	8.57
220	8.64	8.61	8.60	8.47	8.62
230	8.69	8.67	8.65	8.52	8.70
240	8.74	8.72	8.71	8.57	8.72
250	8.79	8.77	8.75	8.62	8.77
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	9.30	9.23	9.24	9.10	9.25
220	9.44	9.38	9.39	9.25	9.41
230	9.59	9.53	9.54	9.40	9.56
240	9.75	9.69	9.71	9.57	9.73
250	9.93	9.87	9.89	9.75	9.91
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.92	0.93	0.93	0.92	0.93
220	0.92	0.92	0.92	0.92	0.92
230	0.91	0.91	0.91	0.91	0.91
240	0.90	0.90	0.90	0.90	0.90
250	0.89	0.89	0.88	0.88	0.88
Ambient Temperature During Test (°C)			24.5		
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