

T e s t R e p o r t

Report No : U10009

Client: : Oshino Lamps (UK) Ltd
1 Churchfield Court
Robey Close
Linby
Nottingham
NG15 8AA

Description : Oluk Kit 1

Manufacturer : Not disclosed

Type/Model : BFL357-DW12-H0

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

Date Testing Started : 27/11/2017

Conclusion : Refer to body of report

Date of Issue : 27/11/2017

Date of Expiry : 26/11/2022

Tested by: M. ALI
Position: Head of Department -
Photometry



Approved by: T. MALIK
Position: Operations Manager



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INTRODUCTION

Oshino Lamps (UK) Ltd has supplied the product identified in table 1 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	Oluk Kit 1
Model No.	BFL357-DW12-H0
Number of Samples	One
Condition on Receipt	Good
Nominal Dimensions	145mm x 30mm x 15mm (LED array)
Product Supply Requirement	220-240V AC, 50/60Hz
Lamp Type and Power	LED, 50W
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 model BFL357-DW12-H0*

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	50.88	50.85	50.52	50.73	50.05
220	50.78	50.76	50.43	50.64	49.95
230	50.69	50.67	50.33	50.55	49.84
240	50.60	50.59	50.24	50.47	49.75
250	50.52	50.50	50.16	50.39	49.67
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	53.27	53.29	52.85	53.12	52.52
220	53.61	53.64	53.18	53.47	52.87
230	54.01	54.05	53.56	53.88	53.27
240	54.47	54.54	54.01	54.35	53.75
250	55.00	55.07	54.52	54.89	54.29
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.96	0.95	0.96	0.96	0.95
220	0.95	0.95	0.95	0.95	0.94
230	0.94	0.94	0.94	0.94	0.94
240	0.93	0.93	0.93	0.93	0.93
250	0.92	0.92	0.92	0.92	0.91
Ambient Temperature During Test (°C)			24.4		
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