

T e s t R e p o r t

Report No : MI613
Client: : Holophane Europe Ltd
Bond Ave
Bletchley
Milton Keynes
MK1 1JG
Description : Denver Elite Wall
Manufacturer : Holophane Europe Ltd
Type/Model : DEW.L034
Test Specification : Measurement of power consumption in accordance with the
'Unmetered Supplies Operational Information Document' –
Version 14.0 (17/12/2014)
Date Testing Started : 10/07/2015
Conclusion : Refer to body of report
Date of Issue : 23/07/2015
Date of Expiry : 22/07/2020

Checked by: J.ADAMS
Position: Laboratory Supervisor



Approved by: T.MALIK
Position: Quality Accreditation &
Certification Officer



INTRODUCTION

The products identified in table 1 were tested at the premises of Holophane Europe Ltd 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	Denver Elite Wall
Model No.	DEW.L034
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	209mm x 330mm x 349mm
Product Supply Requirement	230V AC 50Hz
Lamp Type and Power	LED – 32.5W
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.

Continued on following page

RESULTS

Table 2. *Wattage and VA results for Denver Elite Wall - running at - 700mA*

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	32.32	32.05	32.29	33.55	33.13
220	32.32	32.01	32.26	33.46	32.92
230	32.29	31.98	32.26	33.38	32.89
240	32.30	31.94	32.27	33.33	32.89
250	32.32	31.91	32.28	33.30	32.90
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	33.50	33.32	33.50	34.80	34.30
220	33.73	33.51	33.69	34.89	34.33
230	33.96	33.76	33.95	35.07	34.59
240	34.28	34.05	34.28	35.35	34.92
250	34.65	34.40	34.65	35.64	35.24
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.96	0.96	0.96	0.96	0.97
220	0.96	0.96	0.96	0.96	0.96
230	0.95	0.95	0.95	0.95	0.95
240	0.94	0.94	0.94	0.94	0.94
250	0.93	0.93	0.93	0.93	0.93
Ambient Temperature During Test (°C)		23.5			
PF Leading/Lagging		Leading			

Continued on following page

This page is to be read in conjunction with the first page of this report

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;

Power $\pm 0.879\%$

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.

Continued on following page

ILLUSTRATION



Figure 1. Product image

OPTOTRONIC® OTe 35/220-240/700 CS
Constant Current LED Power Supply

I _{out} [mA]	P _{out} [W]	U _{out} [V]	U _{in} / f _{in}	I _{in} [A]	t _{in} [°C]	t _{out} [°C]	λ	PRI
500	13-27	27-54	220-240V	0.15	-20+55	75	0.85C-0.95	● 1
600	16-32	27-54		0.18				● 2
700	19-35	27-50	50/60Hz	0.20	-20+50			● 23
700	19-37	27-54	0.22	● 24				



SEC ---
U-OUT < 60V
LED Only

Select

500 mA = ● 21
600 mA = ● 22
700 mA = ● 23
+ = ● 24

Made in China by OSRAM

OSRAM

Figure 2. Product driver

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Figure 3. *Product LED board*

End