

T e s t R e p o r t

Report No : L16423

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

Description : 650mm x 720mm LED Panels, Mean well Class II power supply

Manufacturer : Not Disclosed

Type/Model : 005146 (LED Panels), 203943 (power supply)

Test Specification : Measurement of power consumption in accordance with the
'Unmetered Supplies Operational Information Document' –
Version 16.0 (16/11/2016)

Date Testing Started : 18/04/2017

Conclusion : Refer to body of report

Date of Issue : 19/04/2017

Date of Expiry : 18/04/2022

Tested by: F.RAVAT
Position: Laboratory Engineer



Approved: M.LLOYD
Position: Head of Department –
Product Safety



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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 16.0 (16/11/2016).

PRODUCT DETAILS

Table 1. Test Sample Details

Product Description	650mm x 720mm LED Panels, Mean well Class II power supply
Model No.	005146 (LED Panels), 203943 (power supply)
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	650mm x 720mm
Product Supply Requirement	100-250V
Lamp Type and Power	LED 55W
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 005146 LED Panels 203943 Mean well power supply

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	53.98	54.69	52.93	53.41	53.82
220	53.99	54.72	53.00	53.54	53.98
230	54.08	54.84	53.12	53.68	54.14
240	54.17	54.93	53.22	53.88	54.36
250	54.37	55.13	53.44	54.04	54.50
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	54.78	55.38	53.79	54.14	54.50
220	55.07	55.67	54.17	54.55	54.94
230	55.51	56.11	54.76	55.06	55.44
240	56.01	56.59	55.36	55.68	56.07
250	56.67	57.24	56.24	56.37	56.68
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.99	0.99	0.98	0.99	0.99
220	0.98	0.98	0.98	0.98	0.98
230	0.97	0.98	0.97	0.97	0.98
240	0.97	0.97	0.96	0.97	0.97
250	0.96	0.96	0.95	0.96	0.96
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;

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

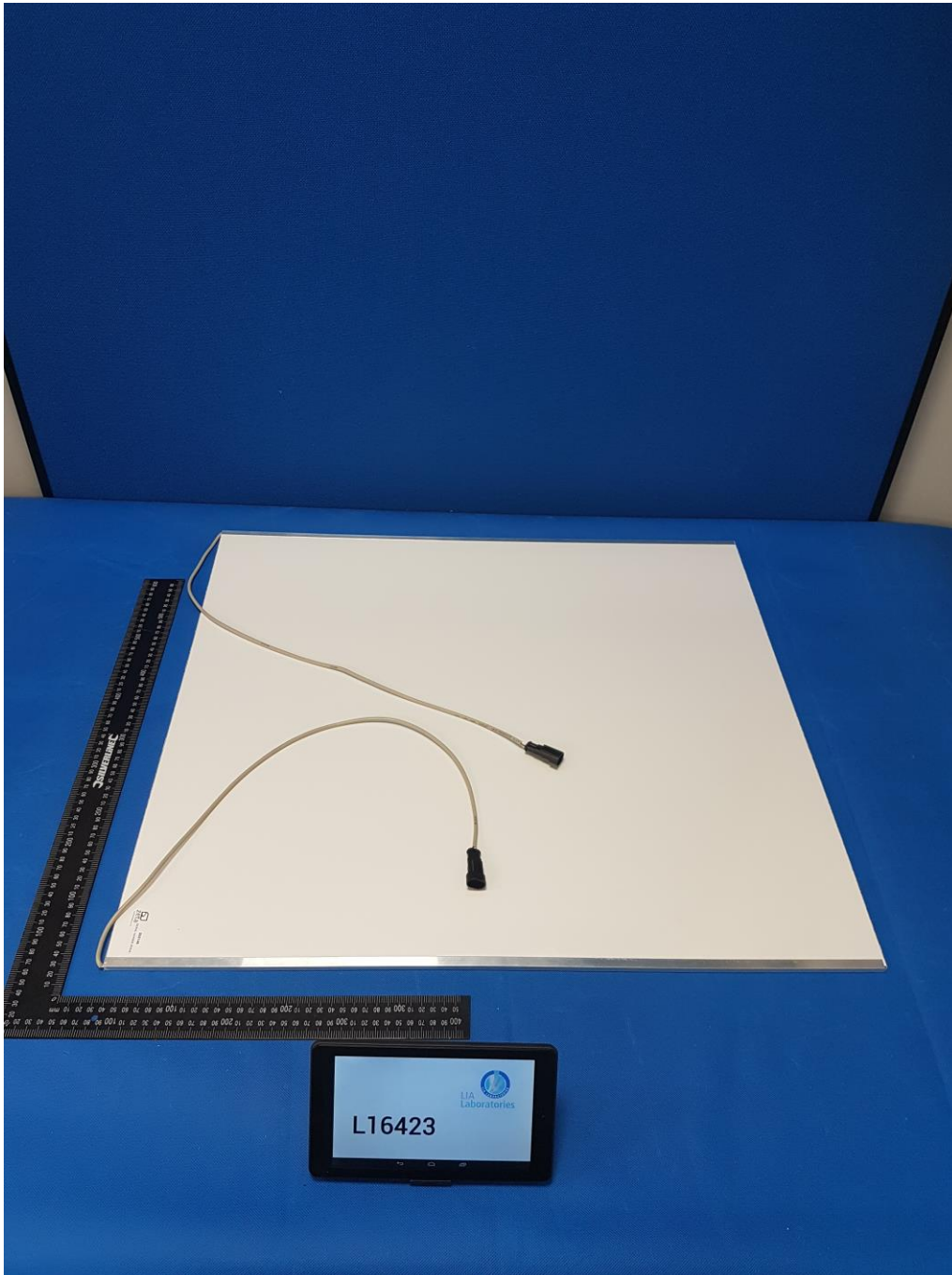


Figure 1. *Product image*

End