

T e s t R e p o r t

Report No : L15248

Client: : Vem Lighting
36 Middlesex Street
Glasgow
G41 1EA

Description : A Retrofit Efficient LED gear tray to convert SFB Bulkheads

Manufacturer : Not Disclosed

Type/Model : SENNA

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

Date Testing Started : 17/09/2015

Conclusion : Refer to body of report

Date of Issue : 21/09/2015

Date of Expiry : 20/09/2020

Tested by: M.ALI
Position: Photometric Engineer



Approved: J.ADAMS
Position: Laboratory Supervisor



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INTRODUCTION

Vem 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	A Retrofit Efficient LED gear tray to convert SFB bulkheads
Model No.	SENNA
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	335mm x 80mm x 30mm
Product Supply Requirement	240V 50Hz
Lamp Type and Power	LED 10W
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 A Retrofit Efficient LED Gear tray to Convert SFB Bulkheads

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	11.08	10.67	10.43	10.58	10.71
220	10.97	10.43	10.11	10.23	10.46
230	10.81	10.30	10.07	10.18	10.27
240	10.72	10.34	10.12	10.26	10.38
250	10.58	10.44	10.27	10.41	10.47
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	11.56	11.14	10.89	11.04	11.20
220	11.54	10.96	10.64	10.77	11.02
230	11.47	10.91	10.67	10.78	10.90
240	11.48	11.03	10.80	10.93	11.10
250	11.42	11.23	11.03	11.17	11.28
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.96	0.96	0.96	0.96	0.96
220	0.95	0.95	0.95	0.95	0.95
230	0.94	0.94	0.94	0.94	0.94
240	0.93	0.94	0.94	0.94	0.94
250	0.93	0.93	0.93	0.93	0.93
Ambient Temperature During Test (°C)			24		
PF Leading/Lagging			Lagging		

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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

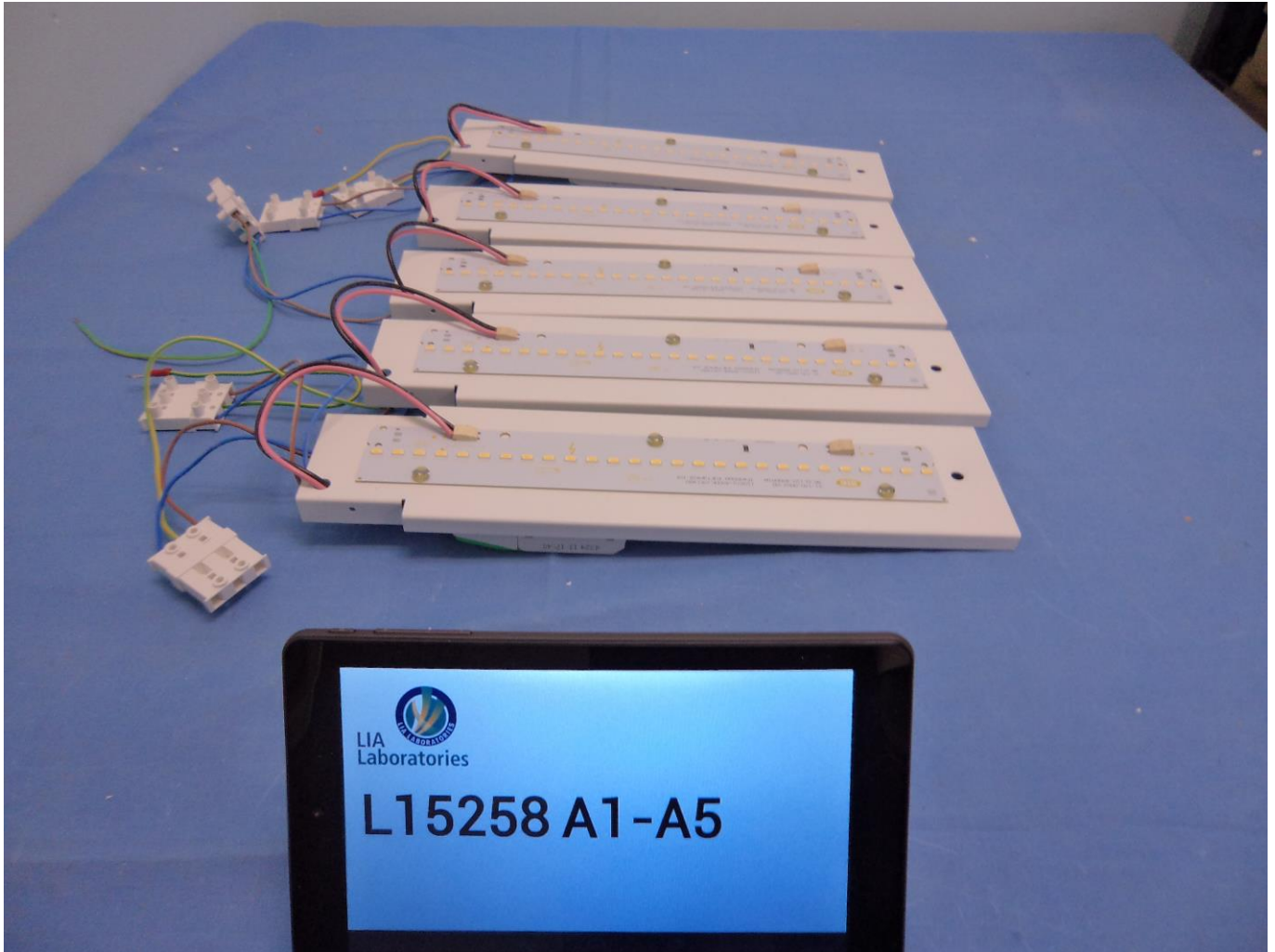


Figure 1. *Product image*

End