



T e s t R e p o r t

Report No : L14023

Client: : Lightways (Contractors) Ltd.
Block 6, Lochlands Industrial Estate,
Larbert,
Falkirk, FK5 3NS

Description : Street Light Axion (30W)

Manufacturer : Not Disclosed

Type/Model : HB-081-30W

Test Specification : Measurement of power consumption in accordance with the
“Unmetered Supplies Operational Information” document –
Version 12.0 (29/11/12)

Date Tested : 16/01/14

Conclusion : Refer to body of Report

Date of Issued : 20/01/14

Date of Expiry : 20/01/19

Tested by: C.LOVEITT
Position: Laboratory Technician



Approved by: K.GOVINDEN
Position: Technical Manager



These test results relate only to the unit(s) tested. This Report and any subsequent report(s) may not be reproduced except in full without the written approval of the Testing Laboratory.



INTRODUCTION

Lightways (Contractors) Ltd has supplied the product identified in table 1 for measurement of power consumption in accordance with the "Unmetered Supplies Operational Information" document – Version 12.0 (29/11/12).

PRODUCT DETAILS

Table 1. Test Sample Details

Product Description	Street Light Axion
Model No.	HB-081-30W
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	L607 x W262 x H123 mm
Product Supply Requirement	100-240Vac 50-60 Hz
Lamp Type and Power	LED 30W
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

RESULTS

Table 2. Wattage and VA results for

Watts

Voltage	Sample Number				
	1	2	3	4	5
210	31.15	30.43	30.69	30.52	30.70
220	31.14	30.42	30.68	30.52	30.70
230	31.14	30.42	30.68	30.53	30.71
240	31.15	30.42	30.68	30.54	30.72
250	31.15	30.43	30.68	30.55	30.73

VA

Voltage	Sample Number				
	1	2	3	4	5
210	32.58	31.85	32.33	31.63	31.80
220	32.71	31.98	32.47	31.71	31.88
230	32.82	32.09	32.59	31.82	31.99
240	32.94	32.21	32.72	31.93	32.10
250	33.07	32.34	32.86	32.05	32.22

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DEVIATION(S) FROM TEST STANDARD

No reported deviations from test standard.

MEASUREMENT UNCERTAINTY

Equipment number 279 uncertainty of measurement for AC voltage $\pm 0.02\%$

Equipment number 279 uncertainty of measurement for AC current $\pm 0.25\%$

Equipment number 279 uncertainty of measurement for AC power $\pm 0.20\%$

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ILLUSTRATION



Figure 1. *Image of tested samples*

End