

T e s t R e p o r t

Report No : L14024

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

Description : Street Light Axion (50W)

Manufacturer : Not Disclosed

Type/Model : HB-081-30W

Test Specification : Measurement of power consumption in accordance with the
“Unmetered Supplies Operational Information” document –
Version12.0 (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



1286



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-081-50W
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	L607 x W262 x H123mm
Product Supply Requirement	100 – 240V ac 50 – 60 Hz
Lamp Type and Power	LED – 50W
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	51.31	51.36	50.83	51.34	50.90
220	51.30	51.31	50.83	51.26	50.86
230	51.27	51.27	50.79	51.20	50.89
240	51.26	51.21	50.80	51.17	50.82
250	51.21	51.15	50.74	51.16	50.81

VA

Voltage	Sample Number				
	1	2	3	4	5
210	52.80	52.81	52.27	52.76	52.21
220	52.91	52.89	52.40	52.81	52.29
230	53.04	53.00	52.50	52.89	52.46
240	53.19	53.09	52.66	53.01	52.54
250	53.29	53.19	52.76	53.16	52.67

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

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 $\pm 0.20\%$

Continued on following page

ILLUSTRATION



Figure 1. *Image of tested samples*

End