

## T e s t R e p o r t

**Report No** : U10033

**Client:** : Glasdon Group Limited  
IEC, Preston New Road,  
Blackpool,  
Lancashire,  
FY4 4UY

**Description** : Lumino City 1500

**Manufacturer** : Not disclosed

**Type/Model** : LC1500

**Test Specification** : Measurement of power consumption in accordance with the  
'Unmetered Supplies Operational Information Document' –  
Version 17.0 (15/03/2017)

**Date Testing Started** : 20/06/2018

**Conclusion** : Refer to body of report

**Date of Issue** : 02/07/2018

**Date of Expiry** : 01/07/2023

**Tested by:** E. PERRY  
**Position:** Technical Administrator  
Apprentice



**Approved by:** T. MALIK  
**Position:** Operations Manager



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## **INTRODUCTION**

Glasdon Group Limited has supplied the product identified in table 1 for measurement of power consumption in accordance with the 'Unmetered Supplies Operational Information Document' – Version 17.0 (15/03/2017).

## **PRODUCT DETAILS**

**Table 1. Test Sample Details**

Product Description	Lumino City 1500
Model No.	LC1500
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	L – 200mm; W – 80mm; H – 60mm
Product Supply Requirement	220-240V AC, 50/60Hz
Lamp Type and Power	LED, 7.5W
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.

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## **RESULTS**

Table 2. *Wattage and VA results for Lumino City 1500*

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	4.62	4.60	4.60	4.63	4.60
220	5.53	5.51	5.51	5.55	5.51
230	6.52	6.49	6.50	6.54	6.50
240	7.59	7.55	7.57	7.61	7.57
250	8.73	8.69	8.71	8.75	8.71
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	5.03	5.00	5.01	5.04	5.01
220	5.96	5.94	5.95	5.98	5.94
230	6.98	6.95	6.96	6.99	6.96
240	8.07	8.03	8.05	8.09	8.04
250	9.23	9.18	9.21	9.24	9.21
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.92	0.92	0.92	0.92	0.92
220	0.93	0.93	0.93	0.93	0.93
230	0.93	0.93	0.93	0.94	0.93
240	0.94	0.94	0.94	0.94	0.94
250	0.95	0.95	0.95	0.95	0.95
Ambient Temperature During Test (°C)			24.8		
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**

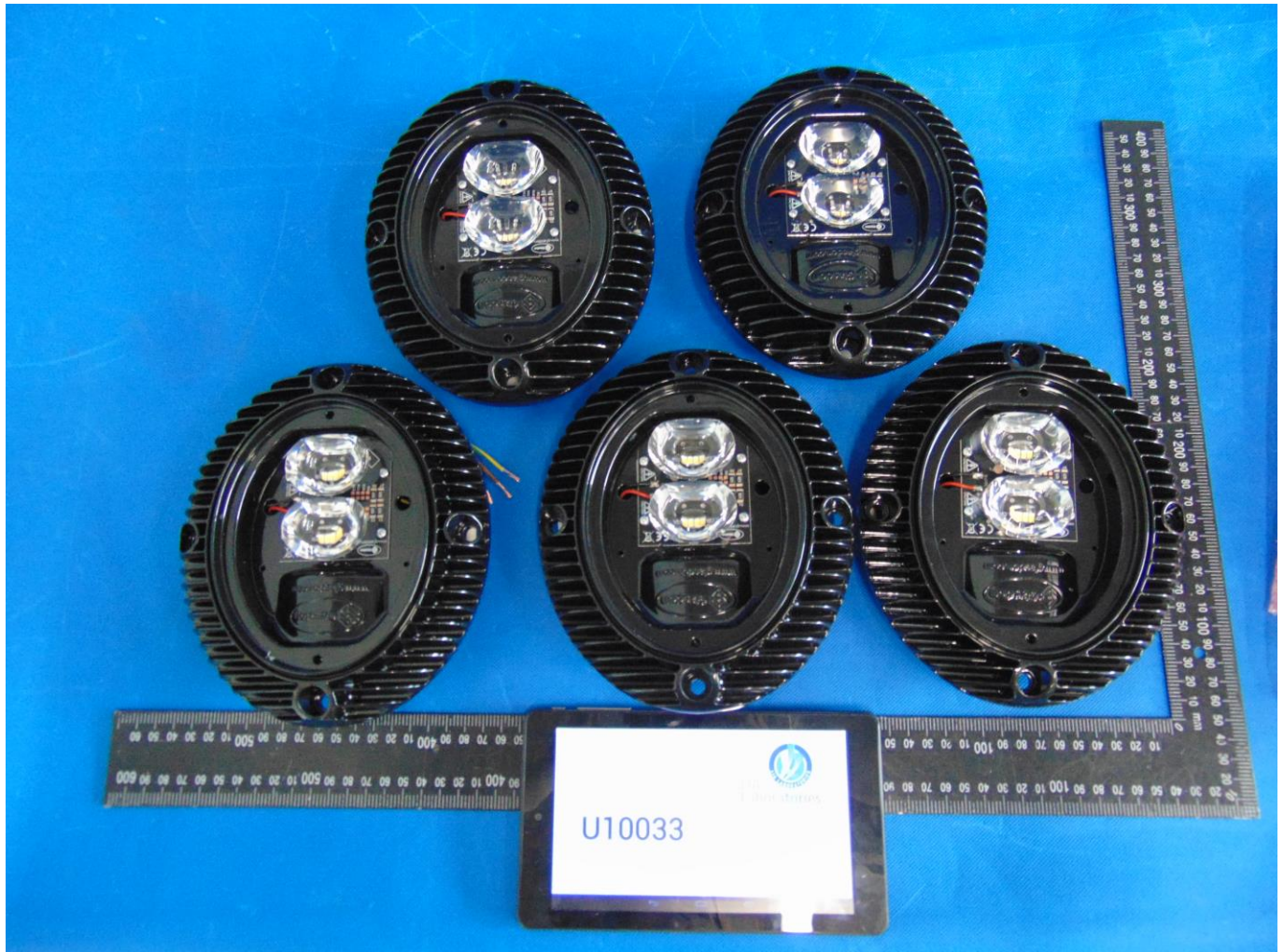


Figure 1. *Product image*

End