

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

**Report No** : U10019D

**Client:** : LED Group  
Western Retail Park  
Nangor Road  
Dublin 12  
Ireland

**Description** : Hawk 14W LED Surface Fitting

**Manufacturer** : Not disclosed

**Type/Model** : RHKM01540-01E

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

**Date Testing Started** : 30/04/2018

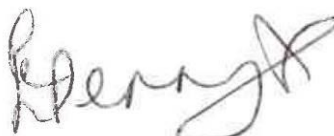
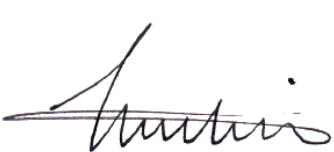
**Conclusion** : Refer to body of report

**Date of Issue** : 23/05/2018

**Date of Expiry** : 22/05/2023

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

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

## **INTRODUCTION**

LED Group 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	Hawk 14W LED Surface Fitting
Model No.	RHKM01540-01E
Number of Samples	Five
Condition on Receipt	Good
Nominal Dimensions	Ø – 330mm; H – 91mm
Product Supply Requirement	220-240V AC, 50/60Hz
Lamp Type and Power	LED, 14W
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 KM01540-01E*

Operating Mode	100%				
Watts					
Voltage	Sample Number				
	1	2	3	4	5
210	12.52	12.40	12.41	12.35	12.29
220	12.49	12.39	12.41	12.37	12.34
230	12.48	12.39	12.39	12.39	12.43
240	12.51	12.40	12.40	12.43	12.53
250	12.56	12.41	12.43	12.45	12.59
VA					
Voltage	Sample Number				
	1	2	3	4	5
210	12.88	12.77	12.77	12.71	12.67
220	12.90	12.82	12.83	12.78	12.78
230	12.94	12.88	12.87	12.86	12.93
240	13.05	12.96	12.95	12.95	13.08
250	13.16	13.06	13.06	13.05	13.21
Power Factor					
Voltage	Sample Number				
	1	2	3	4	5
210	0.97	0.97	0.97	0.97	0.97
220	0.97	0.97	0.97	0.97	0.97
230	0.96	0.96	0.96	0.96	0.96
240	0.96	0.96	0.96	0.96	0.96
250	0.95	0.95	0.95	0.95	0.95
Ambient Temperature During Test (°C)			24.2		
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;

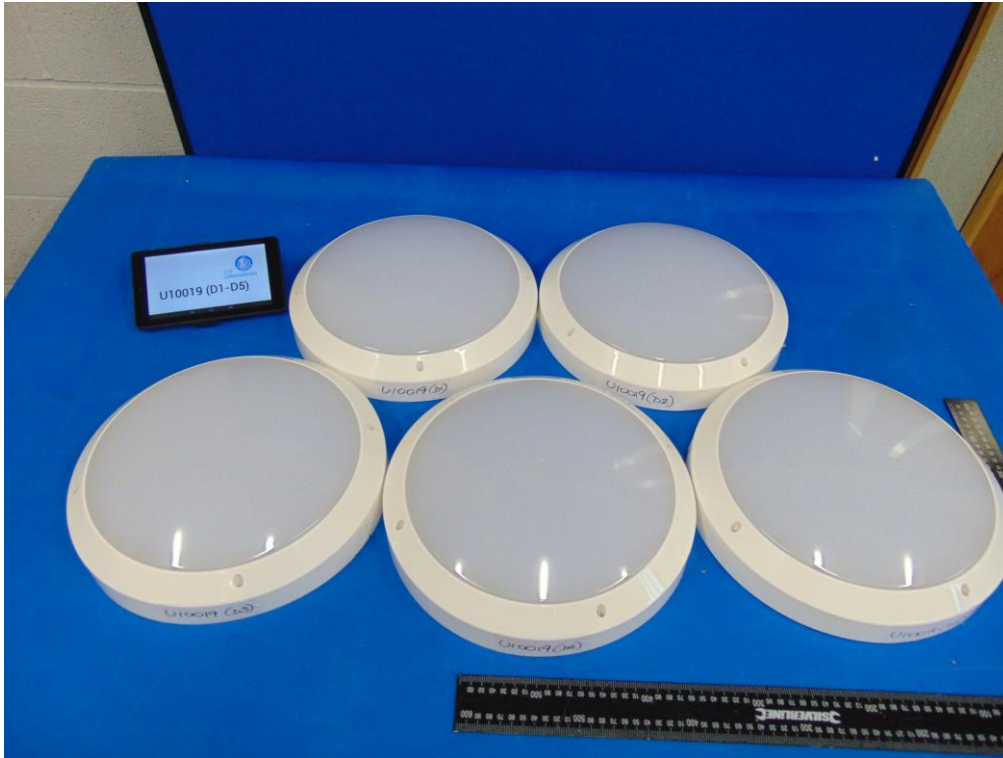
True Power (W):  $\pm 0.69\%$ , Apparent Power (VA):  $\pm 0.61\%$

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**