

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

**Report No.** : P10145A  
**Client** : Red Light Rising  
11 Oakley Wood Drive  
Solihull  
B91 2PH  
**Description** : LED Target Light  
**Manufacturer** : Red Light Rising  
**Type/Models** : TLUK2  
**Test Specification** : EN 62471:2008 Clause 5.1 excluding hazard classification  
**Date(s) of Testing** : 9/08/2021-11/08/2021  
**Conclusion** : Refer to body of report  
**Date of Issue** : 16/08/2021

**Tested by:** **G. JOHN**  
**Position:** Technical Manager -  
Photometry

Handwritten signature of G. John in black ink.

**Approved by:** **T. MALIK**  
**Position:** Head of Compliance

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## **INTRODUCTION**

Red Light Rising have supplied the product identified in Table 1. for evaluation in accordance with the specification detailed on page one of this report.

## **PRODUCT DETAILS**

**Table 1. Product Details**

Product Description	LED Target Light
Model No.	TLUK2
Number of Samples	One
Date of Receipt	11/09/2021
Condition on Receipt	Good
Nominal Dimensions	Ø.115mm x H.230mm
Product Supply Requirement	230V AC 50Hz
Lamp Type and Power	LED, 35W
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

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## **TEST SETUP**

**Table 2. Test Procedure and Equipment Used**

Test Standard	EN 62471:2008 Clause 5.1 excluding hazard classification
Equipment Used	Bentham IDR300-PSL Double Monochromator (249)
Standard Lamp Used	CL6 Irradiance Standard (272), CL7 Irradiance Standard (364)
Standard Lamp Traceability	Spectral Lamp 1036091
Power Supply	RS 4A Bench Top Variac (295)
Power Measurement	N4L 3 phase power analyser (279)
Temperature Measurement	Testo Thermometer (142)

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## **RESULTS**

**Table 3. Irradiance Results**

<b>Distance (mm)</b>	<b>Irradiance for 600-780nm (mW/cm<sup>2</sup>)</b>	<b>Irradiance for 780-900nm (mW/cm<sup>2</sup>)</b>
100	50.87	86.23
150	39.28	60.28
200	33.19	51.69
300	21.21	33.63
500	9.56	17.48
1000	2.50	4.58
1500	1.28	2.73
<b>Operating Conditions</b>		
Ambient Temperature (°C)	25.9	
Voltage (V)	239.53	
Current (mA)	289.50	
Power (W)	35.54	
Power Factor	0.51	

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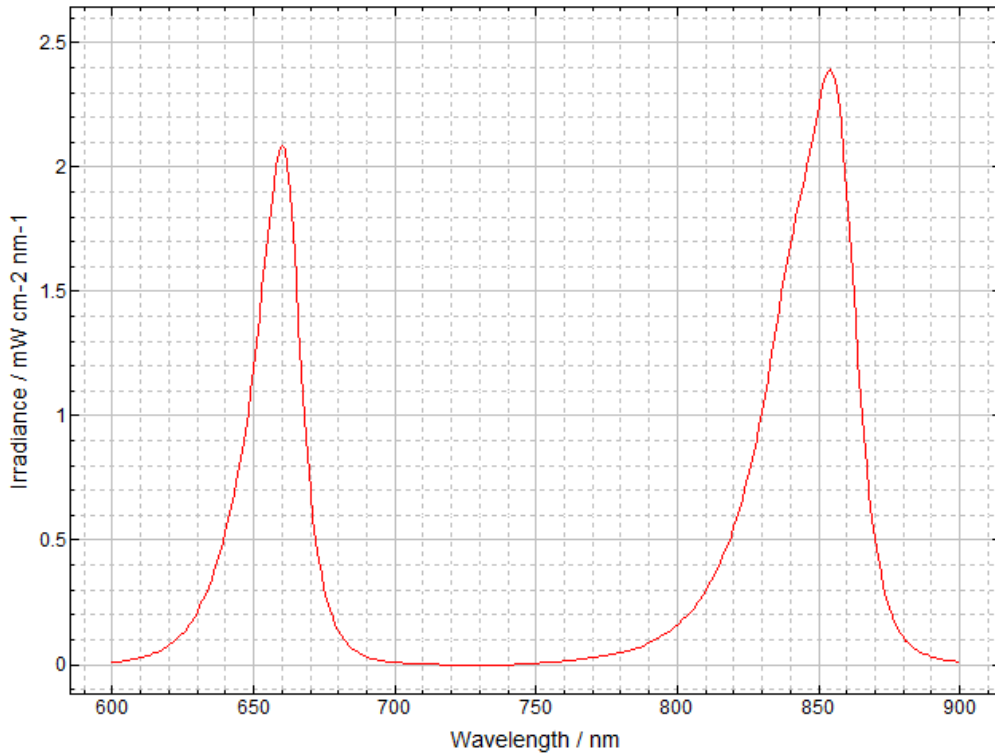


Figure 1. *Spectrum for irradiance at 100mm*

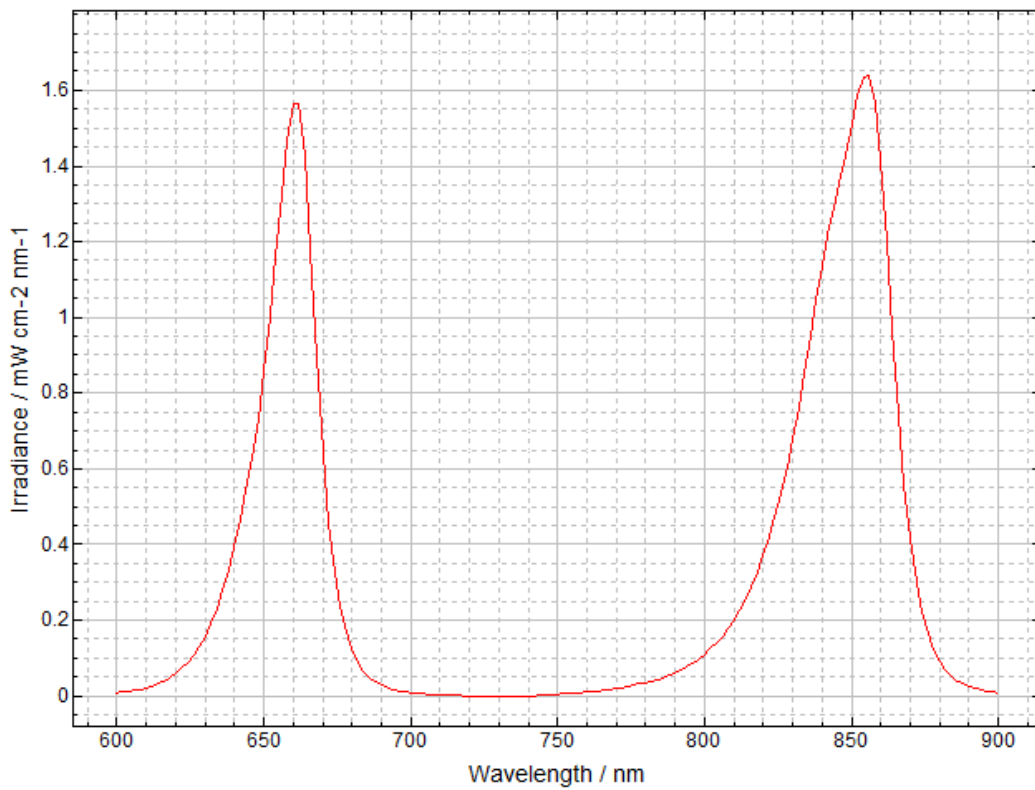


Figure 2. *Spectrum for irradiance at 150mm*

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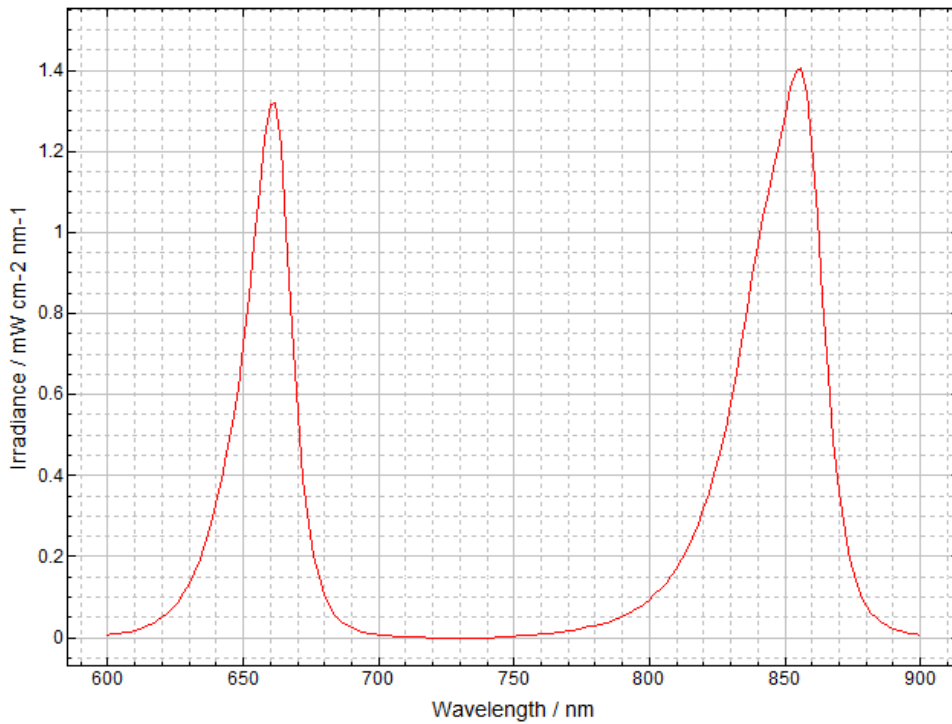


Figure 3. Spectrum for irradiance at 200mm

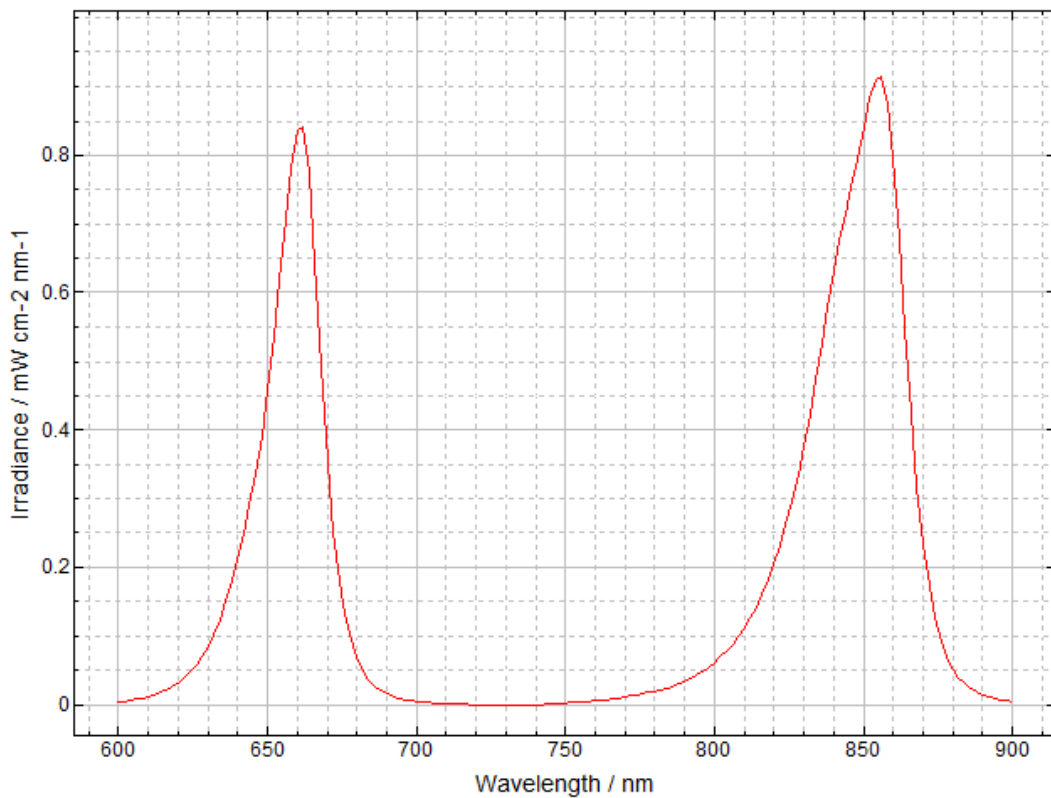


Figure 4. Spectrum for irradiance at 300mm

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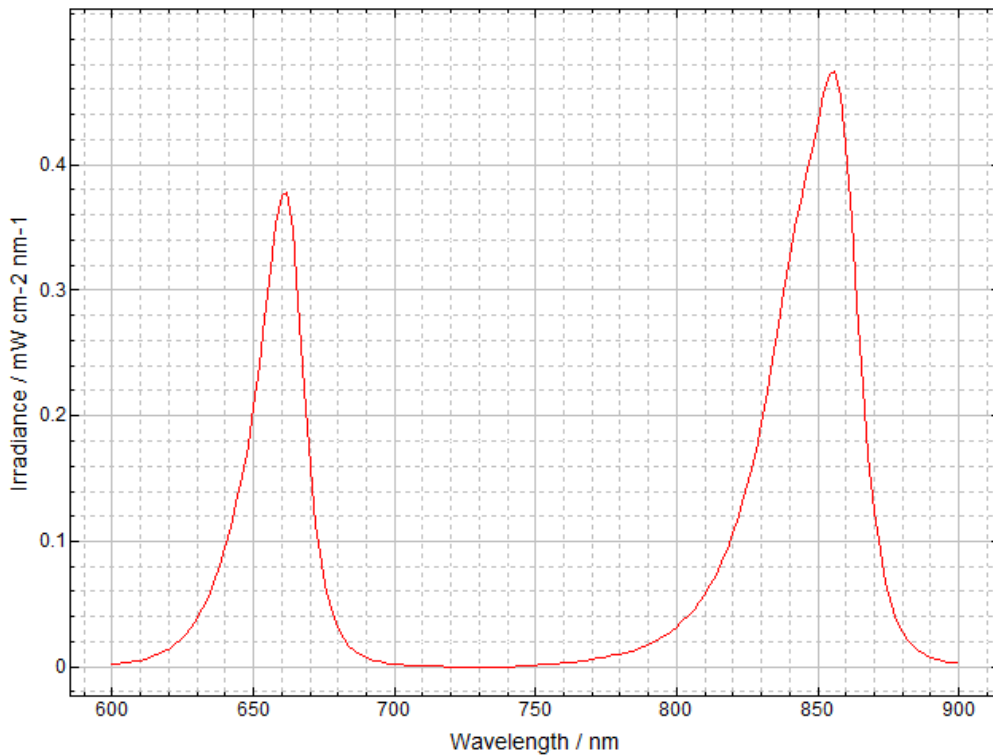


Figure 5. Spectrum for irradiance at 500mm

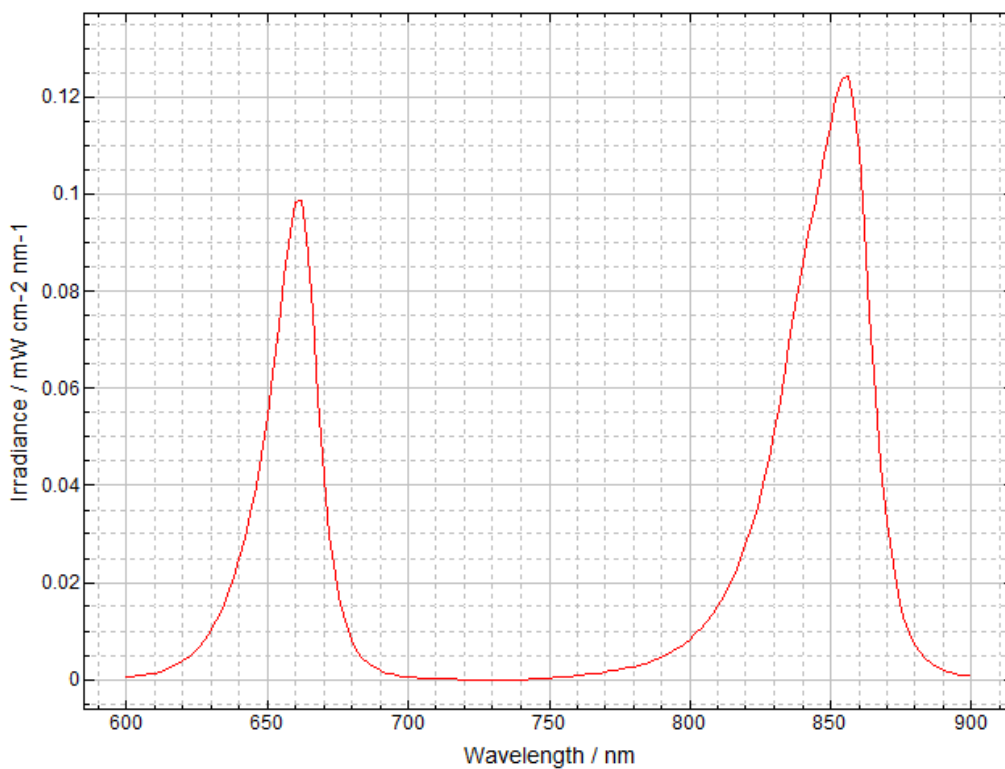


Figure 6. Spectrum for irradiance at 1000mm

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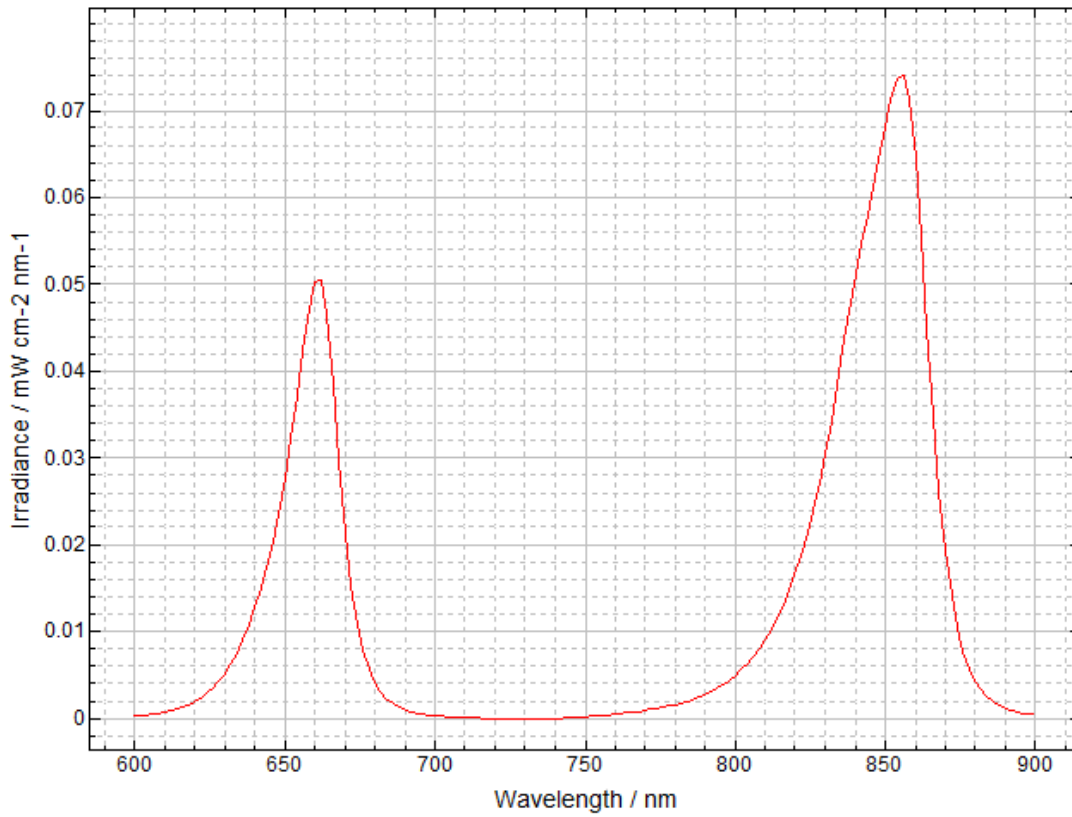


Figure 7. Spectrum for irradiance at 1500mm

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**DEVIATION(S) FROM TEST STANDARD**

No reported deviations from test standard.

**ILLUSTRATION**

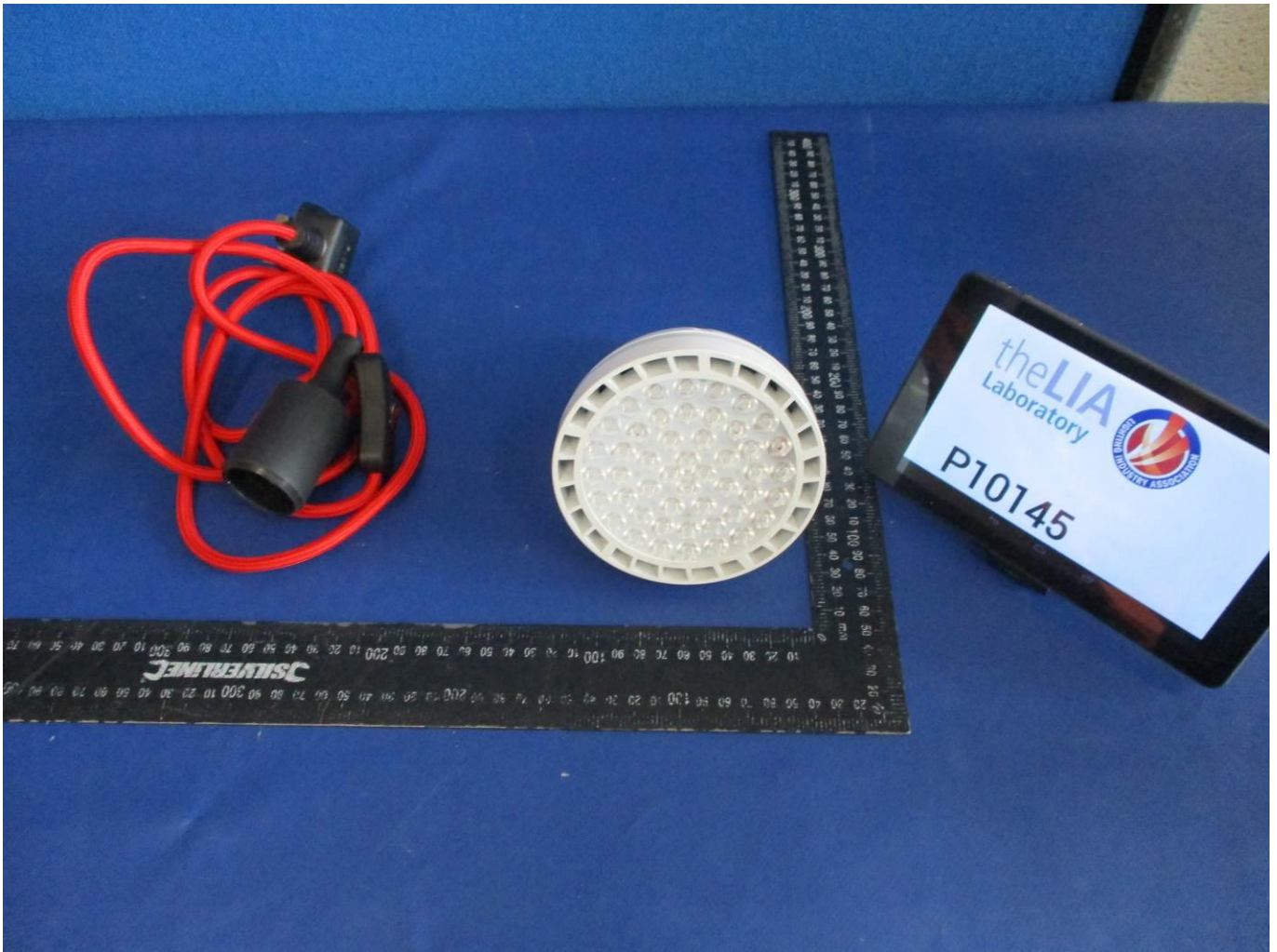


Figure 8. *Product image*

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