

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

**Report No** : L18805A  
**Client:** : Penhale Quantock  
Units 13 - 15 Roughmoor Enterprise Centre  
Roughmoor Trading Estate  
Williton  
Somerset  
TA4 4AT  
**Description** : Small Handrail Luminaire 200mm  
**Manufacturer** : Not Disclosed  
**Type/Model** : Not Disclosed  
**Test Specification** : BS EN 60598-1:2015 (Section 9 only - tests for resistance to solid objects and moisture – IP66)  
**Dates of Testing** : 17/09/2019 – 29/10/2019  
**Conclusion** : The sample tested complied with the above specification – IP66  
**Date of Issue** : 09/01/2020  
**Date of Expiry** : 08/01/2025

**Tested by:** C. LLOYD  
**Position:** Laboratory Technician



**Approved by:** K. DOBROWOLSKI  
**Position:** Technical Lead- Product Safety



1286

## **INTRODUCTION**

Penhale Quantock have supplied the product identified in Table 1. for determination of Ingress Protection rating in accordance with the specification detailed on page one of this report.

## **PRODUCT DETAILS**

**Table 1. Test Sample Details**

Product Description	Small Handrail Luminaire 200mm
Model No.	Not Disclosed
Number of Samples	One
Date of Receipt	03/10/2019
Condition on Receipt	Good
Nominal Dimensions	200mm
Classification	Class III IP66
Product Supply Requirement	24VDC 200mA
Lamp Type and Power	12W LED
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

**Continued on following page**

## **RESULTS**

<b><u>CLAUSE</u></b>	<b><u>CLAUSE TITLE AND RESULT</u></b>
----------------------	---------------------------------------

<b>9.</b>	<b><u>RESISTANCE TO DUST AND MOISTURE</u></b>
-----------	---

The luminaire was subjected to tests for ingress of dust and water in accordance with the requirements of BS EN 60598-1. Section 9. At the end of the test period the sample luminaire was examined with the following results:

<b>9.2.2</b>	<b><u>TEST FOR INGRESS OF DUST</u></b>
--------------	--

When the luminaire was subjected to the test for ingress of dust, it was deemed to comply with the requirements for dust tight luminaires, i.e. ingress protection classification IP6X.

<b>9.2.7</b>	<b><u>TEST FOR INGRESS OF WATER</u></b>
--------------	---

When the luminaire was subjected to the test for ingress of water, it was deemed to comply with the requirements for powerful water jet-proof luminaires, i.e. ingress protection classification IPX6.

Upon completion of the above test the luminaire was immediately subjected to the electric strength test specified in section 10.2.2 of the standard.

**The luminaire is therefore deemed to comply with the requirements for ingress protection classification IP66.**

**NO OTHER TESTS WERE PERFORMED ON THIS SAMPLE.**

---

Continued on following page

**DEVIATION(S) FROM TEST STANDARD**

No reported deviations from test standard.

**ILLUSTRATION**

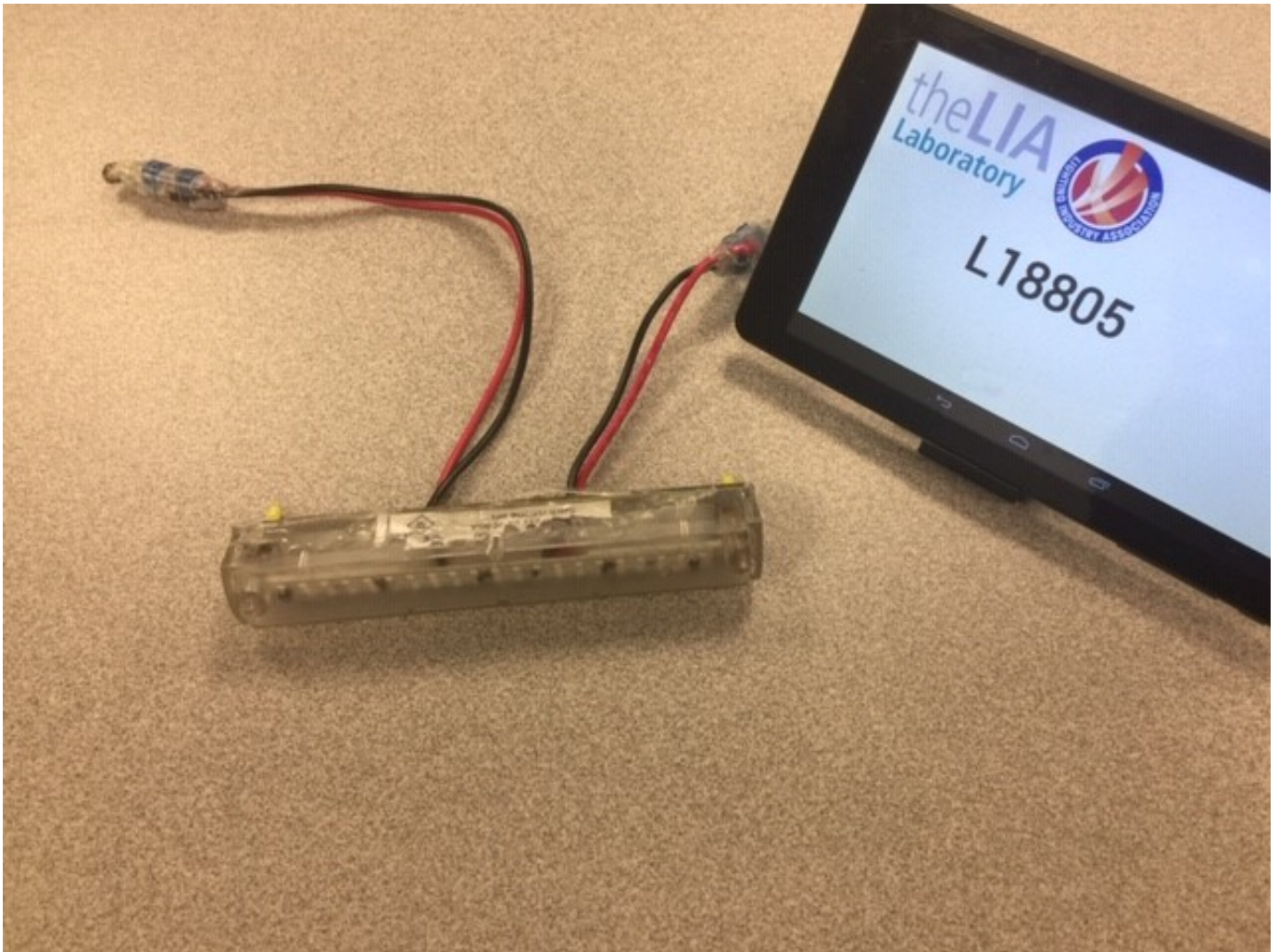


Figure 1. *Product image*

---

End