

T e s t R e p o r t

Report No : L16474B

Client: : Penhale Quantock Ltd
Units 13 - 15 Roughmoor Enterprise Centre
Roughmoor Trading Estate
Williton
Somerset
TA4 4AT

Description : Handrail LED Luminaire

Manufacturer : Not Disclosed

Type/Model : FL-C42-L

Test Specification : BS EN 60598-1:2015 (Section 9 only - tests for resistance to dust and moisture) – IP67

Date Testing Started : 31/05/2017

Conclusion : The sample tested complied with the above specification – IP67

Date of Issue : 22/08/2017

Date of Expiry : 21/08/2022

Signed: A.BOROVY
Position: Laboratory Engineer



Approved: A.SANGI
Position: Technical Lead –
Product Safety



1286

INTRODUCTION

Penhale Quantock Ltd 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	Handrail LED Luminaire
Model No.	FL-C42-L
Number of Samples	One
Condition on Receipt	Good
Nominal Dimensions	L700mm x W430mm
Classification	Class II IP67
Product Supply Requirement	24V DC 200mA
Lamp Type and Power	4.8W LED
Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.	

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RESULTS

<u>CLAUSE</u>	<u>CLAUSE TITLE AND RESULT</u>
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9.	<u>RESISTANCE TO DUST AND MOISTURE</u>
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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:

9.2.2	<u>TEST FOR INGRESS OF DUST</u>
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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.

9.2.8	<u>TEST FOR INGRESS OF WATER</u>
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The luminaire was subjected to the test for ingress of water, it was deemed to comply with the requirements, for watertight luminaires, i.e. ingress protection classification IPX7.

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 IP67.

NO OTHER TESTS WERE PERFORMED ON THIS SAMPLE.

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DEVIATION(S) FROM TEST STANDARD

No reported deviations from test standard.

ILLUSTRATION



Figure 1. *Product image*

End