

T e s t R e p o r t

Report No. : PS00699 A1 (IP66)

Client : JCC Lighting Products Ltd
Lux Park,
Chichester Business Park,
City Fields Way,
Tangmere,
Chichester,
West Sussex
PO20 2FT,
United Kingdom

Description : ToughFlood Pro Marine Asymmetric 200W/300W/400W
3K/4K/57K IP66

Manufacturer : JCC Lighting products Ltd

Type/Model : JC050023

Test Specification : BS EN IEC 60598-1:2021+A11:2022 (Section 9 only - tests for
resistance to solid objects and moisture – IP66)

Date(s) of Testing : 18/02/2025 –25/02/2025

Conclusion : Refer to body of report

Date of Issue : 17/03/2026

Tested by: **Vinnie Webster**
Position: Trainee Laboratory
Engineer

Signed by:

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Approved by: **Kieran Merrills**
Position: Certification Manager

Signed by:

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INTRODUCTION

JCC Lighting products 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	ToughFlood Pro Marine Asymmetric 200W/300W/400W 3K/4K/57K IP66
Model No.	JC050023
Number of Samples	One
Date of Receipt	16/02/2025
Condition on Receipt	Good
Nominal Dimensions	442 x 590 x 65 mm
Classification	Class I IP66
Product Supply Requirement	220-240V, 50/60Hz
Lamp Type and Power	LED module 400W
<p>Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.</p> <p>Note: The test results relate only to the sample(s) tested. The testing performed is type testing only not a statement on on-going production</p> <p>* Taking the Laboratory’s uncertainty of measurement into account, a decision rule has been applied to the measured values to establish conformity. The decision rule is based on Procedure 1 of IEC Guide 115.</p> <p>Where the measured value falls above the limit value specified in the test standard, or where a tolerance is specified and the measured value falls above the upper tolerance limit, the result is considered a fail.</p> <p>Where the measured value falls below the limit value specified in the test standard, or where a tolerance is specified the measured value falls below the upper tolerance limit, if after taking the Laboratory’s uncertainty of measurement into account the value falls above the limit and the difference is >50% of the Laboratory’s uncertainty, the result is considered a fail.</p> <p>Where this report is being used as a means of demonstrating conformity to EU Directive 2014/35/EU, and/or UK SI 2016 No. 1101 – The Electrical Equipment (Safety) Regulations 2016, the risk of false acceptance may result in a presumption of conformity where it should not.</p>	

Continued on following page

This page is to be read in conjunction with the first page of this report

Table 2. Additional family variants

ToughFlood Pro Marine Asymmetric				
Model number	Product description	Voltage (V)	Frequency (Hz)	Light source (W)
JC050021	Toughflood Pro Marine Asymmetric	220-240V	50/60Hz	100W, 150W, 200W
JC050022				150W, 225W, 300W
JC050023				200W, 300W, 400W

These test results relate only to the unit(s) tested. This report and any subsequent report(s) may not be reproduced except in full without the written approval of the Testing Laboratory.

RESULTS

<u>CLAUSE</u>	<u>CLAUSE TITLE AND RESULT</u>
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9.	<u>RESISTANCE TO SOLID OBJECTS AND MOISTURE</u>
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The luminaire was subjected to tests for ingress of solid objects 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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The luminaire was subjected to the test for ingress of dust for dust-tight luminaires (ingress protection classification IP6X), during the post-test inspection no talcum powder deposits were observed inside the enclosure of the luminaire.

9.2.7	<u>TEST FOR INGRESS OF WATER</u>
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The luminaire was subjected to the test for ingress of water for jet-proof luminaires (ingress protection classification IPX6), during the post-test inspection no water ingress was observed inside the luminaire.

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, no failure was observed.

The sample is therefore deemed to comply with the requirements for ingress protection classification IP66 based on the results of clauses 9.2.2 and 9.2.7 listed above.

Continued on following page

DEVIATION(S) FROM TEST STANDARD

No reported deviations from test standard.

ILLUSTRATION



Figure 1. *Product image*

End

This page is to be read in conjunction with the first page of this report