

T e s t R e p o r t

Report No. : PS00699 B1 (IP65)

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

Description : ToughFlood Pro Commercial 200W IP65 4000K

Manufacturer : JCC Lighting products Ltd

Type/Model : JC050013

Test Specification : BS EN IEC 60598-1:2021+A11:2022 (Section 9 only - tests for resistance to solid objects and moisture – IP65)

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 Commercial 200W IP65 4000K
Model No.	JC050013
Number of Samples	One
Date of Receipt	16/02/2025
Condition on Receipt	Good
Nominal Dimensions	257.6 x 310.3 x 55.7 mm
Classification	Class I IP65
Product Supply Requirement	220-240V, 50/60Hz
Lamp Type and Power	LED module 200W
<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>	

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Table 2. Additional family variants

ToughFlood Pro Commercial & Asymmetric							
Model number	Product description	Voltage (V)	Frequency (Hz)	Light source (W)	Dimensions (mm)		
JC050010	ToughFlood Pro Commercial	220-240V	50/60Hz	70W	224.6 x 274.9 x 31.9		
JC050011				100W	257.6 x 310.3 x 55.7		
JC050012				150W	280.6 x 338.8 x 55.7		
JC050013				200W	325.6 x 390.83 x 56		
JC050014	ToughFlood Pro Asymmetric			220-240V	50/60Hz	70W	224.6 x 274.9 x 31.9
JC050015						100W	257.6 x 310.3 x 55.7
JC050016						150W	280.6 x 338.8 x 55.7
JC050017						200W	325.6 x 390.83 x 56

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.

9.2.6	<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 IPX5), 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 9.2.6 listed above.

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DEVIATION(S) FROM TEST STANDARD

No reported deviations from test standard.

ILLUSTRATION



Figure 1. Product image

End

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