

T e s t R e p o r t

Report No. : PS00699 A1 (IK08)

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 : Impact testing to BS EN 62262: 2008+A1:2022 (clause 6 only)
used in conjunction with IEC/TR 62696:2011 and using test
apparatus as described in BS EN 60068-2-75:2014

Date(s) of Testing : 13/03/2026 – 13/03/2026

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 IK testing (impact force tests) 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 IK08
Product Supply Requirement	220-240V, 50/60Hz
Lamp Type and Power	LED module 400W

Sampling Method: Test samples selected and supplied by client, no sampling method specified by client.

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

* 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.

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.

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.

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.

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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

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RESULTS

<u>Clause</u>	<u>Clause Title and Results</u>
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6.	Test to verify the protection against mechanical impacts-IK08 at an impact energy of 5J
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The centre & corner of the front glass of the ToughFlood Pro Marine Asymmetric was subjected to 3 impacts with the pendulum impact hammer at weakest point of each part of the product at an impact energy of 5J (IK08)

After the impact test neither the centre & corner of the front glass of the ToughFlood Pro Marine Asymmetric showed any visible signs of damage, and the impacts applied did not affect creepage and clearance distances, IP rating or protection against electric shock.

The sample is therefore deemed to comply with the test specification as stated on page 1 of this report (IK08) based on the results of clause 6 listed above.

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DEVIATION(S) FROM TEST STANDARD

No reported deviations from test standard.

ILLUSTRATION

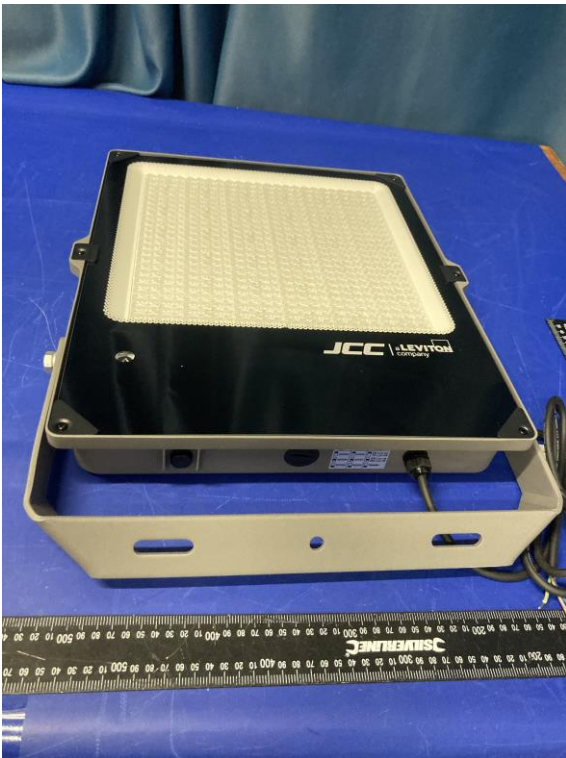


Figure 1. *Product image*

End

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