

TEST REPORT

Product Name : Moving light
Model Number : CLF Poseidon WASH XS

Prepared for : CLF LIGHTING B.V.
Address : De Kazematten 19, 6681 CS, Bommel

Prepared by : EMTEK(DONGGUAN) CO., LTD.
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Report Number : EDG2203040047L00401R
Date(s) of Tests : April 18, 2022 to May 20, 2022
Date of issue : May 30, 2022



Test Report

Applicant : CLF LIGHTING B.V.
Address : De Kazematten 19, 6681 CS, Bommel

Product Name : Moving light
Model/Type : CLF Poseidon WASH XS

Trade Mark



Received Date : March 04, 2022
Testing Period : April 18, 2022 to May 20, 2022

Test Summary

No.	Test Item	Test Standard	Test Conclusion
1	IP66 Test	Clause 9.2 of EN IEC 60598-1:2021	Pass
Note: Pass: Meet the requirements; Fail: Do not meet the requirements; N/A: Do not evaluate or provide only test results.			

Tested by:

Park Zeng

Park Zeng

Tested engineer

Reviewed by:

June Luo

June Luo

Reviewed engineer



Test Report

1. Test Item: IP66 Test

1.1 Tested Sample:

Sample No.	Product Name	Model/Type	Quantity
E2203040047L-01	Moving light	CLF Poseidon WASH XS	1pc

1.2 Test Equipment:

Name	Model	Serial No.	Valid Date to
Waterproof test chamber	GT1310B	E-R-033	April 20, 2023
Dust Tester	GT1321C	E-R-034	April 19, 2023
AC and DC hipot tester	AN9635H	ELD0096	May 12, 2023

1.3 Environmental Conditions: Temperature: 25°C; Humidity: 56%R.H.

1.4 Reference Standard: Clause 9.2 of EN IEC 60598-1:2021

1.5 Test Conditions:

IP6X:

Put the sample into the dust chamber, in which talcum powder is maintained in suspension by an air current. The chamber contain 2 kg of powder for every cubic metre of its volume.

The test conditions:

1. The product is suspended outside the dust chamber and operated at rated supply voltage until operating temperature is achieved.
2. The product, whilst still operating, is placed with the minimum disturbance in the dust chamber.
3. The door of the dust chamber is closed.
4. The fan/blower causing the talcum powder to be in suspension is switched on.
5. After 1 min, the product is switched off and allowed to cool for 3 h whilst the talcum powder remains in suspension.

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IPX6:

The product switched on and brought to a stable operating temperature at rated voltage. And then switch off the product and immediately subjected to a water jet for 3 min from all directions by means of a hose. The nozzle shall be held 3 m away from the sample. After completion of the tests, the electric strength test shall be conducted immediately.

Test conditions:

1. Nozzle diameter :12.5mm;
 2. Delivery rate :100 L/min;
 3. Test time :3 minutes
 4. Distance from nozzle to housing surface: 3m.
 5. Electric strength test voltage: AC 1480V, Test position: Between live parts and metal enclosure.
- Test time: 1 minute.

1.6 Acceptance Criteria:

IP6X: There is no talcum powder in the sample.

IPX6: There is no trace of water on electrical connections, current carrying parts or on insulation where it could become a hazard for the user or surroundings, the only exception to this is for SELV or PELV conductors where the voltage under load does not exceed 12 V peak interrupted DC voltage for frequencies between 10 Hz and 200 Hz, 12V RMS or 30 V ripple free DC and the conductors are protected from corrosion. After completion of the tests, the luminaire shall withstand the electric strength test.

1.7 Test Results:

Sample No.	Test items	Test Results	Verdict
E2203040047L-01	IP6X	There is no talcum powder in the sample.	Pass
E2203040047L-01	IPX6	There was no water entered into the internal of the sample.	Pass
E2203040047L-01	Electric strength	No breakdown	Pass

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1.8 Test Photos: IP6X



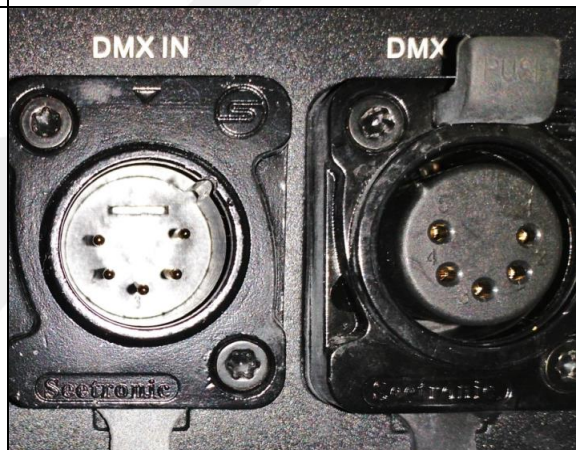
Before the test



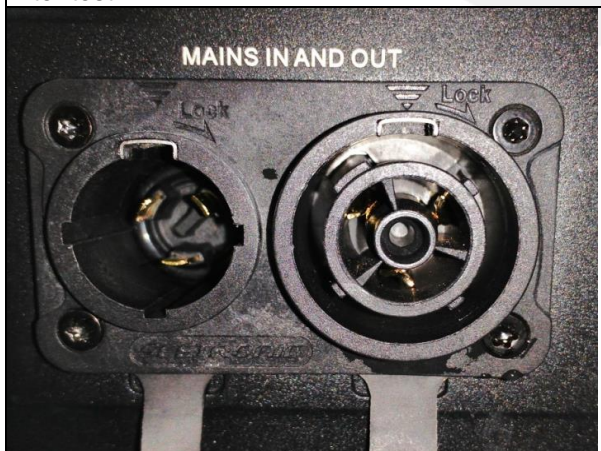
Before the test



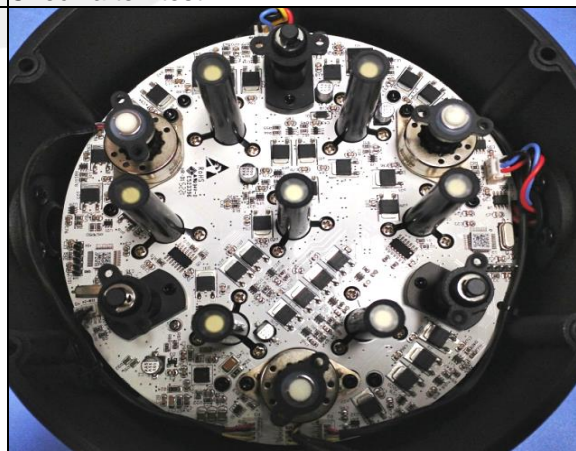
After test



Check after test

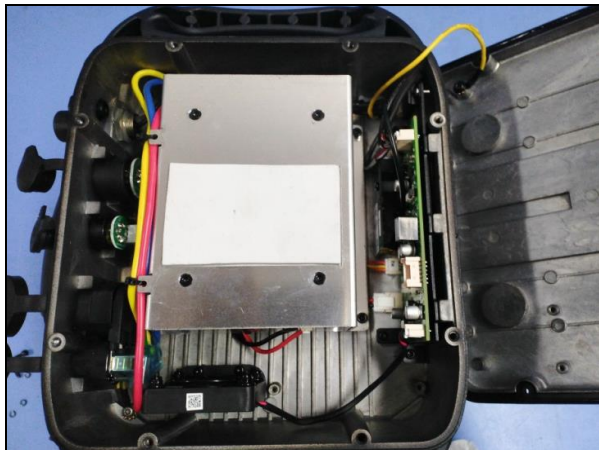


Check after test

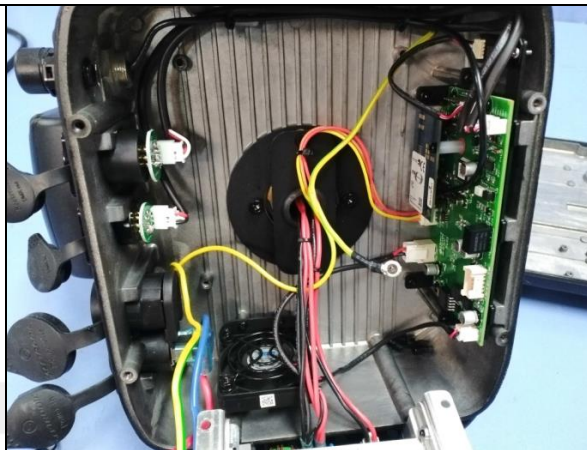


Check after test

Test Report



Check after test



Check after test



Check after test



Check after test



Check after test



Check after test

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1.9 Test Photos: IPX6



Before the test



Before the test



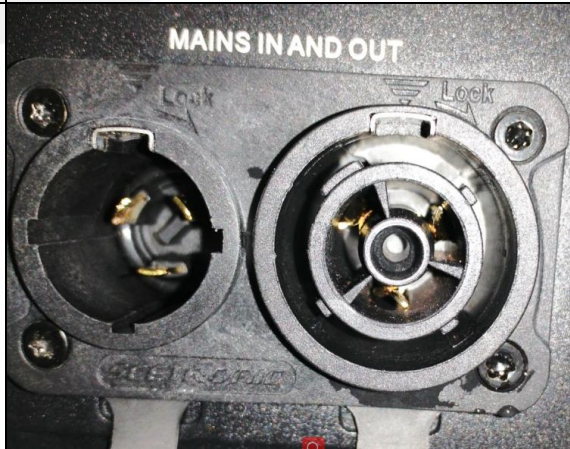
During the test



After the test

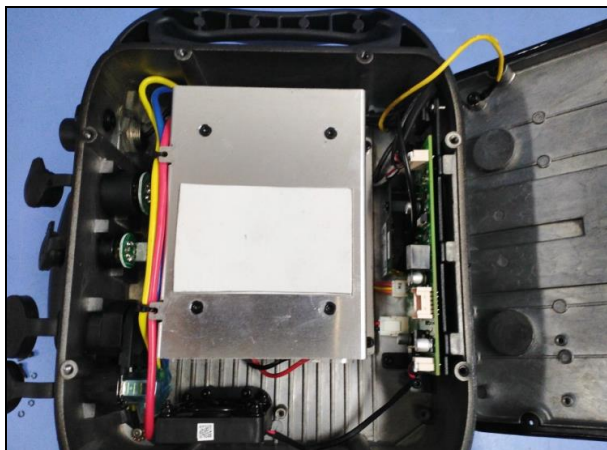


Check after test

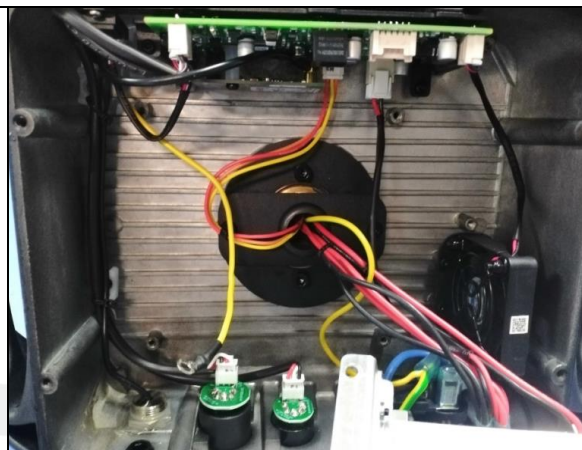


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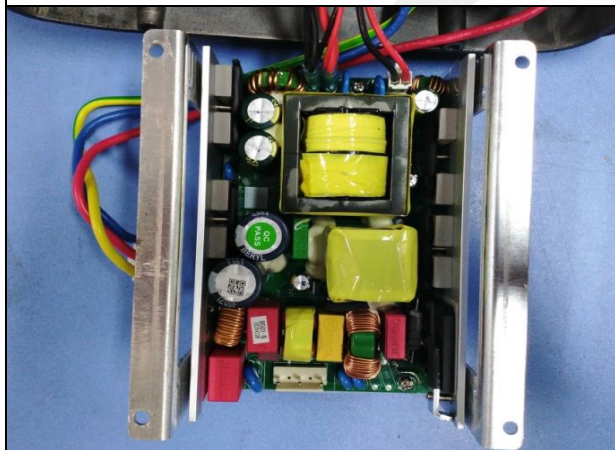
Test Report



Check after test



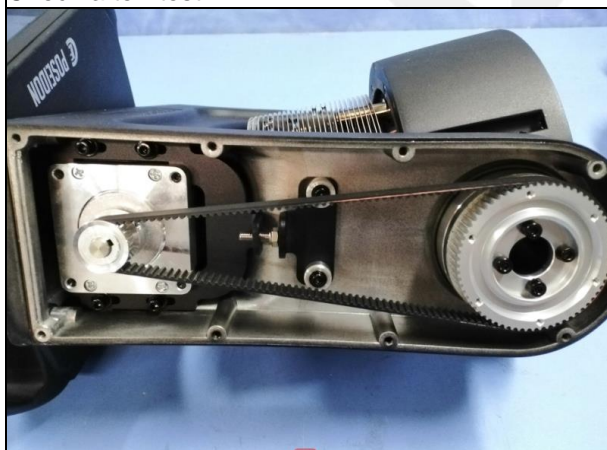
Check after test



Check after test



Check after test

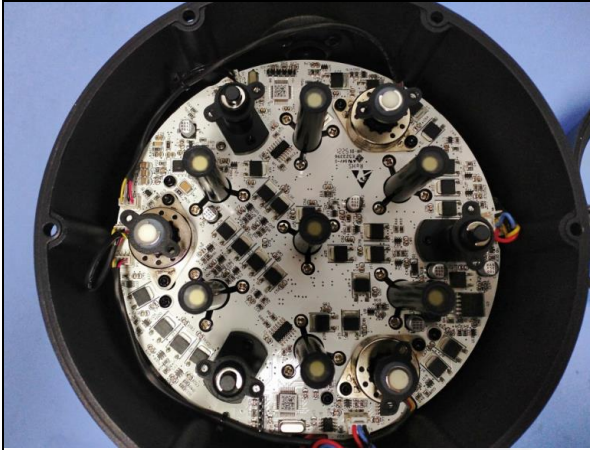


Check after test

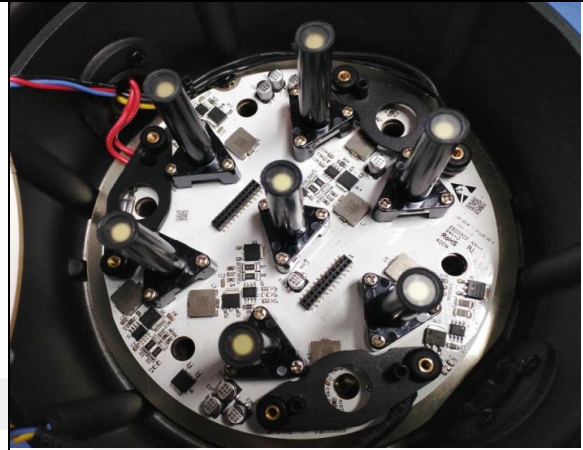


Check after test

Test Report



Check after test



Check after test



Electric strength test

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End of report

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