

TEST REPORT

Product Name : Moving light
Model Number : Poseidon wash M

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 : EDG2304130131L02801R
Date(s) of Tests : June 12, 2023 to June 13, 2023
Date of issue : August 10, 2023



Test Report

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

Product Name : Moving light

Model/Type : Poseidon wash M

Trade Mark



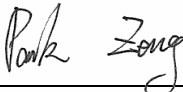
Received Date : April 17, 2023

Testing Period : June 12, 2023 to June 13, 2023

Test Summary

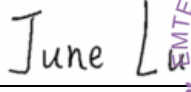

| No. | Test Item | Test Standard | Test Conclusion |
|-----|-----------|--------------------------------|-----------------|
| 1 | IP65 Test | Clause 9.2 of IEC 60598-1:2020 | Pass |

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

Tested engineer

Reviewed by:  

June Luo

Reviewed engineer

Test Report

1. Test Item: IP65 Test

1.1 Tested Sample:

| Sample No. | Product Name | Model/Type | Quantity |
|----------------|--------------|------------|----------|
| E2304130131-01 | Moving light | Beam 12 | 1pc |

1.2 Test Equipment:

| Name | Model | Serial No. | Valid Date to |
|-------------------------|---------|------------|----------------|
| Waterproof test chamber | GT1310B | E-R-033 | March 07, 2024 |
| Dust Tester | GT1321C | E-R-034 | March 07, 2024 |
| AC and DC hipot tester | AN9635H | ELD0096 | May 11, 2024 |

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

1.4 Reference Standard: Clause 9.2 of IEC 60598-1:2020

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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IPX5:

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 15 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 :6.3mm;
 2. Delivery rate :12.5 L/min;
 3. Test time :15 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.

IPX5: 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 |
|----------------|-------------------|-------------------------------------------------------------|---------|
| E2304130131-01 | IP6X | There is no talcum powder in the sample. | Pass |
| E2304130131-01 | IPX5 | There was no water entered into the internal of the sample. | Pass |
| E2304130131-01 | Electric strength | No breakdown | Pass |

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1.8 Test Photos: IP6X



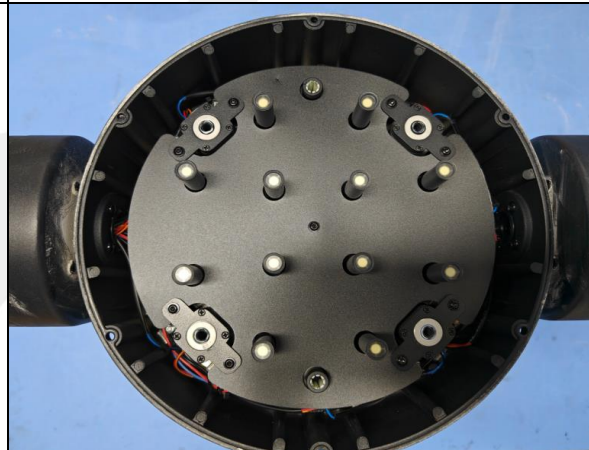
Before the test



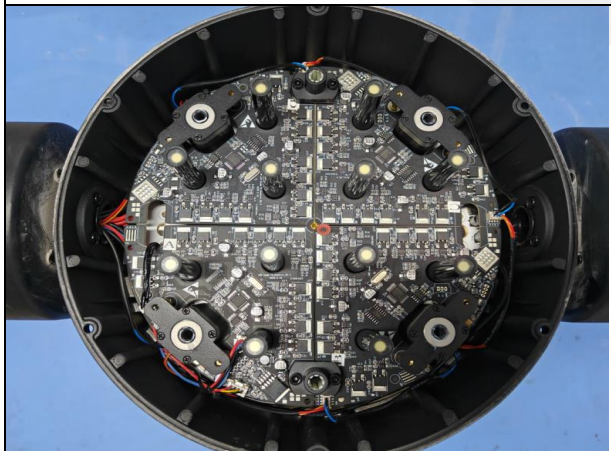
Before the test



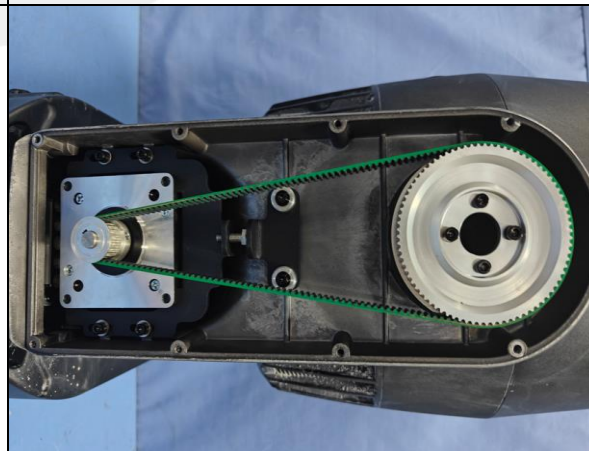
After test



Check after test

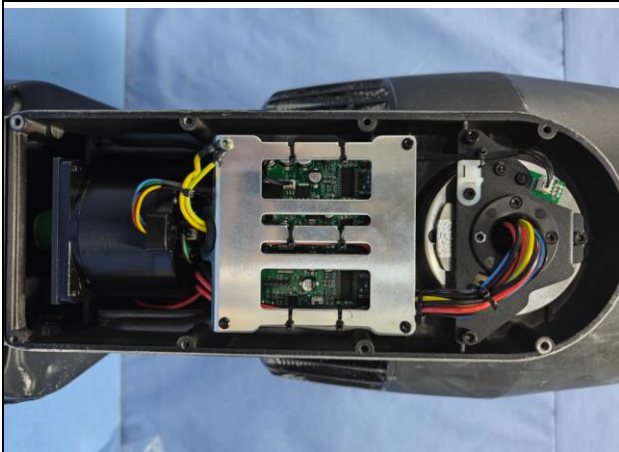


Check after test

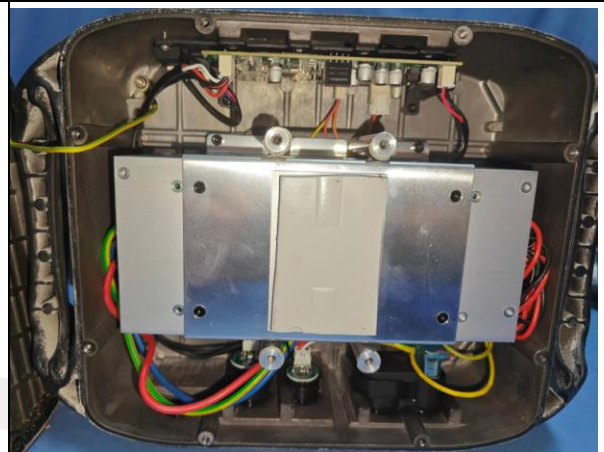


Check after test

Test Report



Check after test



Check after test



Check after test



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1.9 Test Photos: IPX5



Before the test



Before the test

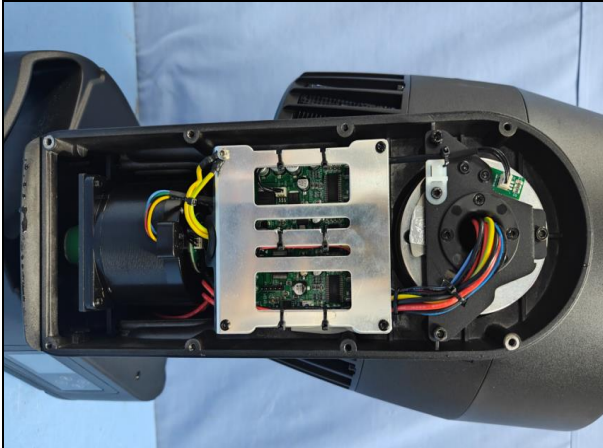
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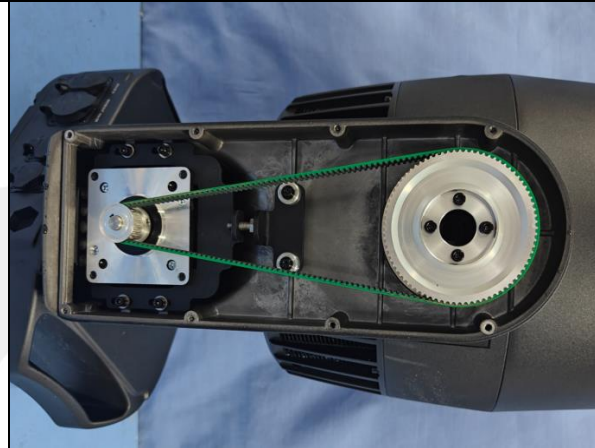
During the test



After the test



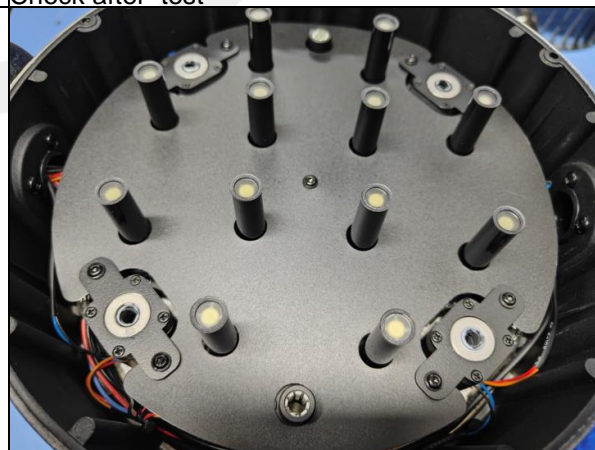
Check after test



Check after test

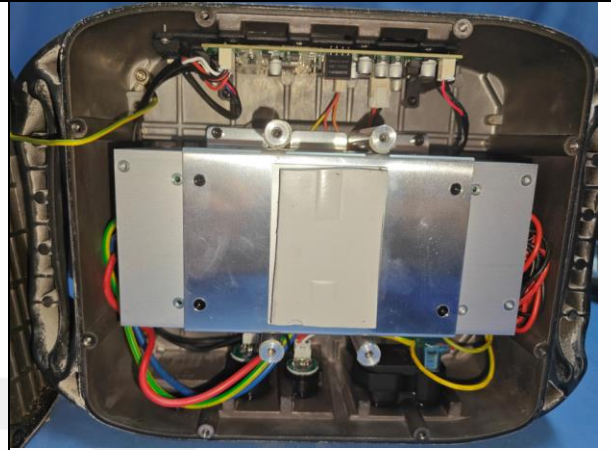
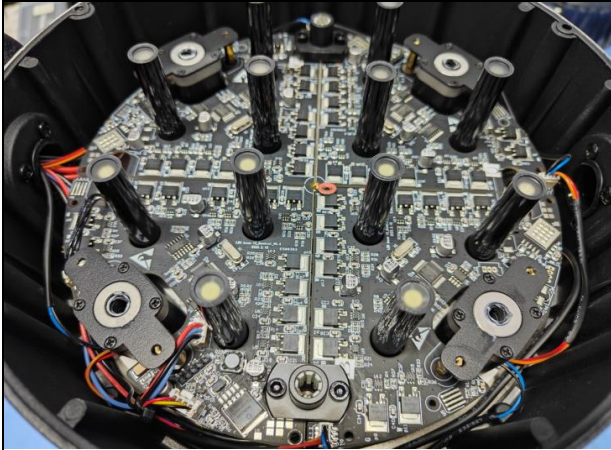


Check after test



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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