


LEDELS LIGHTING CO LTD

5F, BLOCK C, MINGJINHAI IND. PARK, ZHOUSHILU ROAD, SHIYAN, BAO'AN, SHENZHEN,
GUANGDONG 518108, CHINA

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Description:	LED MODULE
Model No.:	LL-F24P600W1L40
Test Sample Quantity:	3 PCS
SGS Reference No.:	CP17-005140
Sample Receiving Date:	Feb. 14, 2017
Test Period:	Feb. 14, 2017 to Feb. 17, 2017
Test Requested:	Waterproof Test - IPX5
Test Method:	For further details, please refer to the following page(s)
Test Result(s):	For further details, please refer to the following page(s)

Signed for and on behalf of
SGS-CSTC Ltd. Shenzhen Branch



Reliability Lab
Damon Li
Engineer



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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Reliability Laboratory

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1. Waterproof Test - IPX5

1.1 Test Method/Specification or Client's Requirement:

a) Test Method/Specification:

Refer to IEC 60529:2013+CORR:2013+CORR2:2015 Clause 14.2.5 & 14.3 and client's requirements.

Test Condition:

- Internal diameter of the nozzle: 6.3 mm
- Delivery rate: 12.5 L/min ± 5%
- Test duration: 3 minutes
- Distance from nozzle to enclosure surface: between 2.5 m and 3 m

b) Acceptance Condition:

If any water has entered, it shall not:

- Be sufficient to interfere with the correct operation of the equipment or impair safety;
- Deposit on insulation parts where it could lead to tracking along the creepage distances;
- Reach live parts or windings not designed to operate when wet;
- Accumulate near the cable end or enter the cable if any.

If the enclosure is provided with drain-holes, it should be proved by inspection that any water which enters does not accumulate and that it drains away without doing any harm to the equipment.

For enclosures without drain-holes, the relevant product standard shall specify the acceptance conditions if water can accumulate to reach live parts.

1.2 Test Result(s):

Sample No.	Test Result	Conclusion
1#~3#	No water was observable inside the sample and the function was normal.	Satisfied



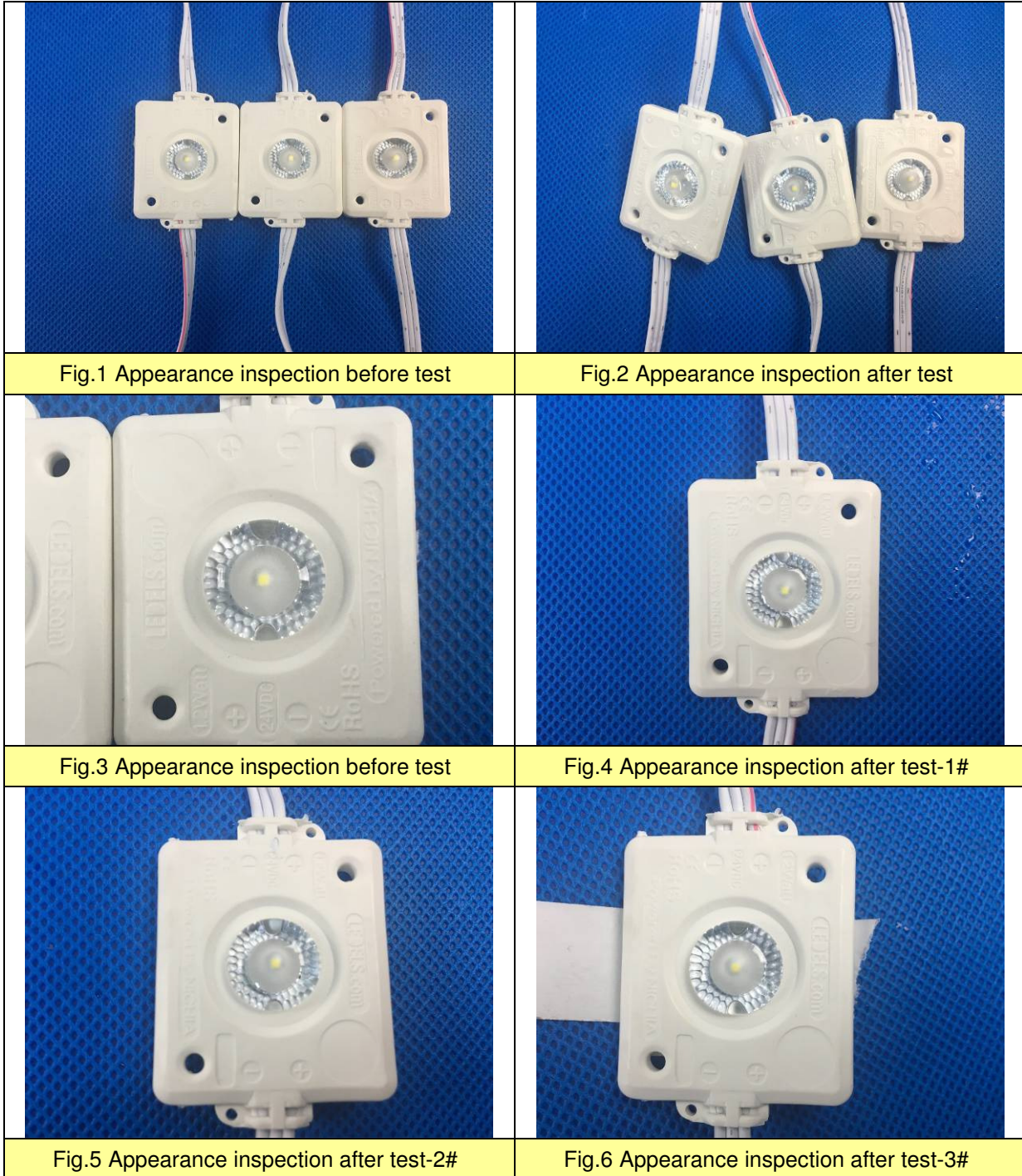
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1.3 Test Photos:



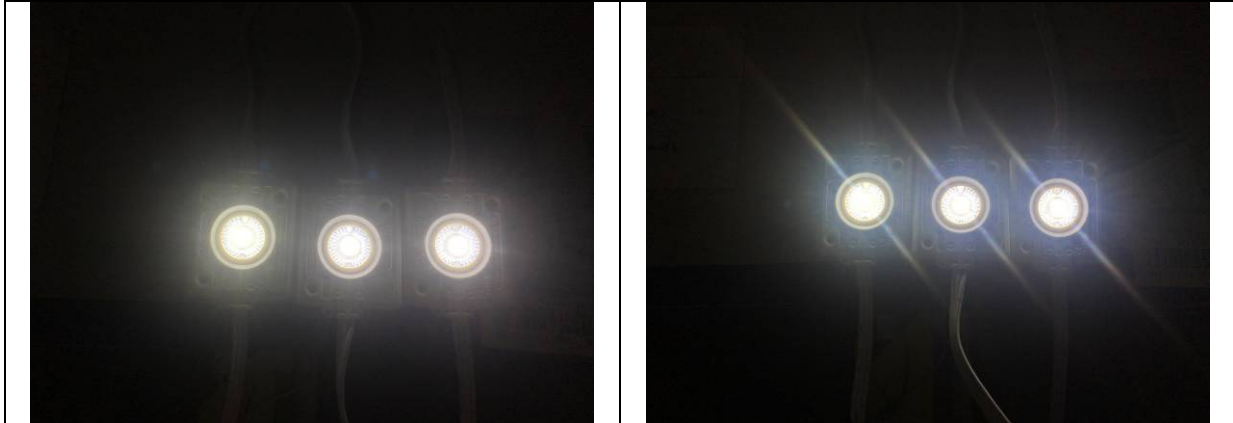


Fig.7 Function inspection before test

Fig.8 Function inspection after test



Fig.9 Test setup

End of Report

