



TEST REPORT

Report Number: HA21NB051521O
Applicant's name: LANKAO RAYER LIGHTING PRODUCT CO., LTD
Applicant's address: Enterprise Zone, No.001, Yifeng township, Lankao, Kaifeng, China
Name of manufacturer: Same as Applicant
Address of manufacturer: Same as Applicant
Name of factory (ies): Same as Applicant
Address of factory (ies): Same as Applicant
Product Name: Floodlight
Trade Mark(s): /
Model No.: 24V2GYLED3WW, 24V2GSLED3WW, 24V2GCLED3WW
Ratings: DC24V, 3W
Total number of pages: 12 pages
Standard: EN 60529:1991 + A1:2000 + A2:2013
IEC 60529:1989 + A1:1999 + A2:2013
Date of Receipt sample: May 12, 2021
Date of Test: May 12, 2021 to May 14, 2021
Date of issue: May 14, 2021
Test Report Form No.: HATEK60529_IP65A
Test Result: Pass*

***Remarks:**

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Prepared By:

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Prepared by:

Paul Gao

Paul Gao / Project Engineer

Reviewed by:



Miranda Mo

Miranda Mo / Technical Manager

TEST REPORT

List of test items:

Test Model	Test Items	Result
24V2GSLED3WW	IP6X test	Pass
24V2GSLED3WW	IPX5 test	Pass

Remark: The three models have the same structure of lamp head, but they are installed in different ways. So we select model 24V2GSLED3WW to test.



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Test Items:

Test for protection against solid foreign objects: IP6X

Test Method:

The tests should be carried out under the standard atmospheric condition.

The atmospheric conditions during tests are as follows:

Temperature range: 15°C to 35°C.

Relative humidity: 25% to 75%.

The enclosure under test is supported inside the test chamber and the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump.

A volume of air 80 times the volume of the sample enclosure tested without exceeding the extraction rate of 60 volumes per hour. In no event shall the depression exceed 2kPa.

If an extraction rate of 40 to 60 volumes per hour is obtained the duration of the test is 2h.

If, with a maximum depression of 2kPa, the extraction rate is less than 40 volumes per hour, the test is continued until 80 volumes have been drawn through, or a period of 8h has elapsed.

Acceptance Conditions:

The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.

Test Result:

No deposit of dust is observable inside the enclosure.

Pass Fail

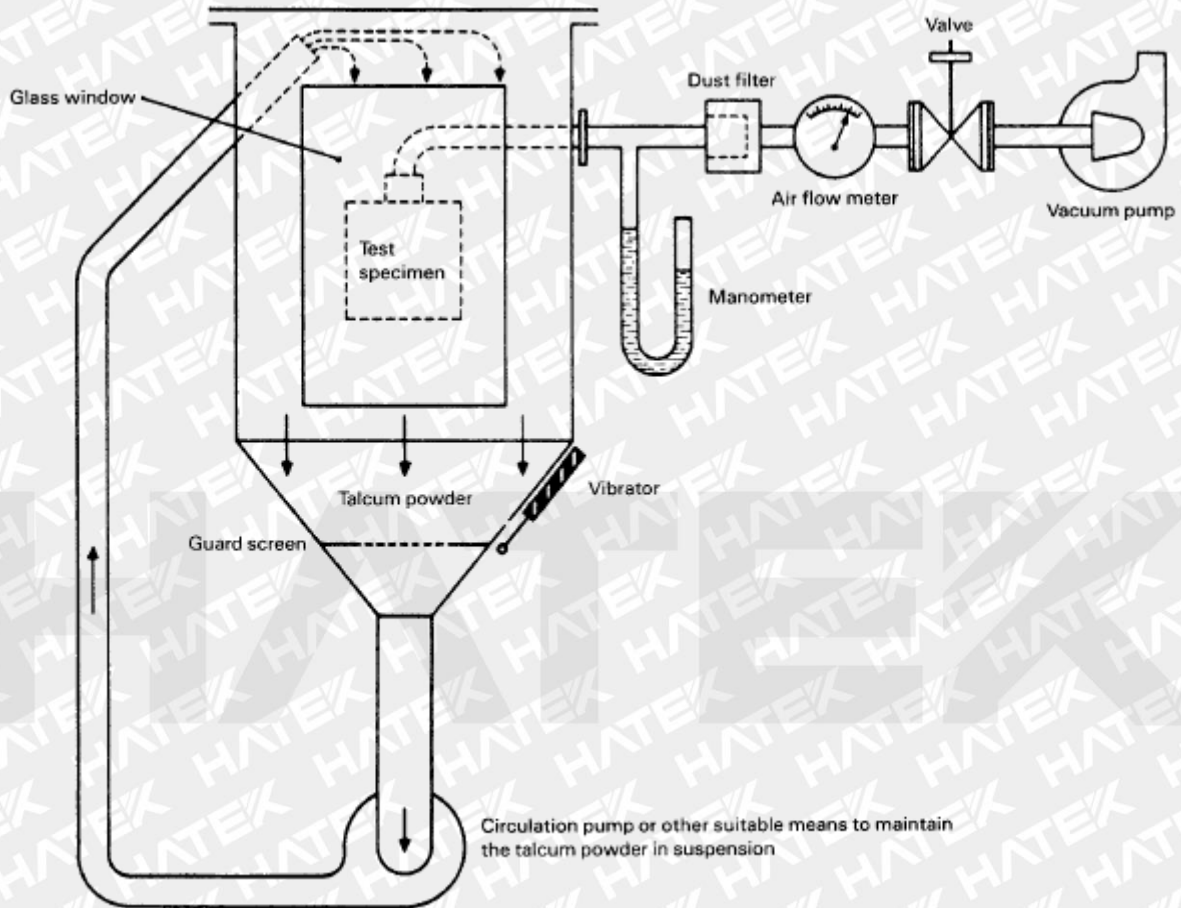
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IEC 280/01

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Test Item:

Tests for protected against water jets: IPX5

Test Method:

Internal diameter of the nozzle: 6.3mm;

Delivery rate: 12.5L/min \pm 5%;

Water pressure: to be adjusted to achieve the specified delivery rate;

Core of the substantial stream: circle of approximately 40mm diameter at 2.5m distance from nozzle;

Test duration per square meter of enclosure surface area likely to be sprayed: 1min;

Minimum test duration: 3min;

Distance from nozzle to enclosure surface: between 2.5m and 3m.

Acceptance Conditions:

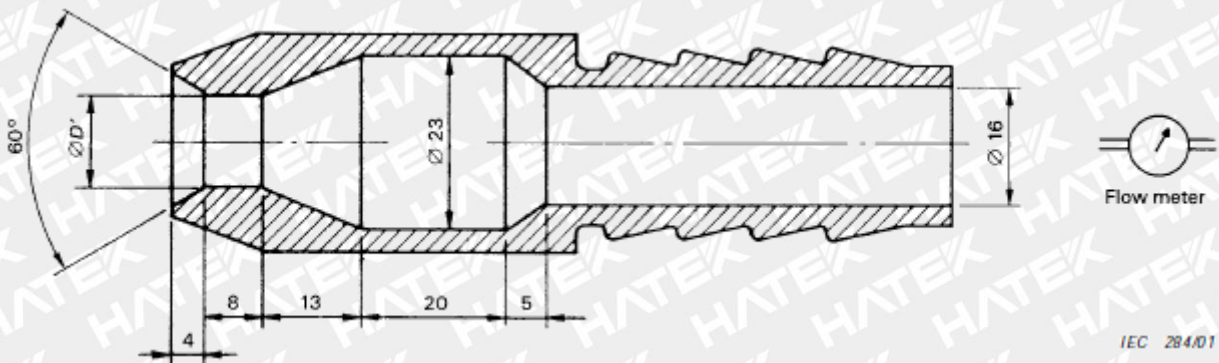
In general, if any water has entered, it shall not:

- be sufficient to interfere with the correct operation of the equipment or impair safety;
- reach live parts or windings not designed to operate when wet;
- accumulate near the cable end or enter the cable if any.

Test Result:

No water entered into the enclosure.

Pass Fail



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Photos:



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Before the test IP6X

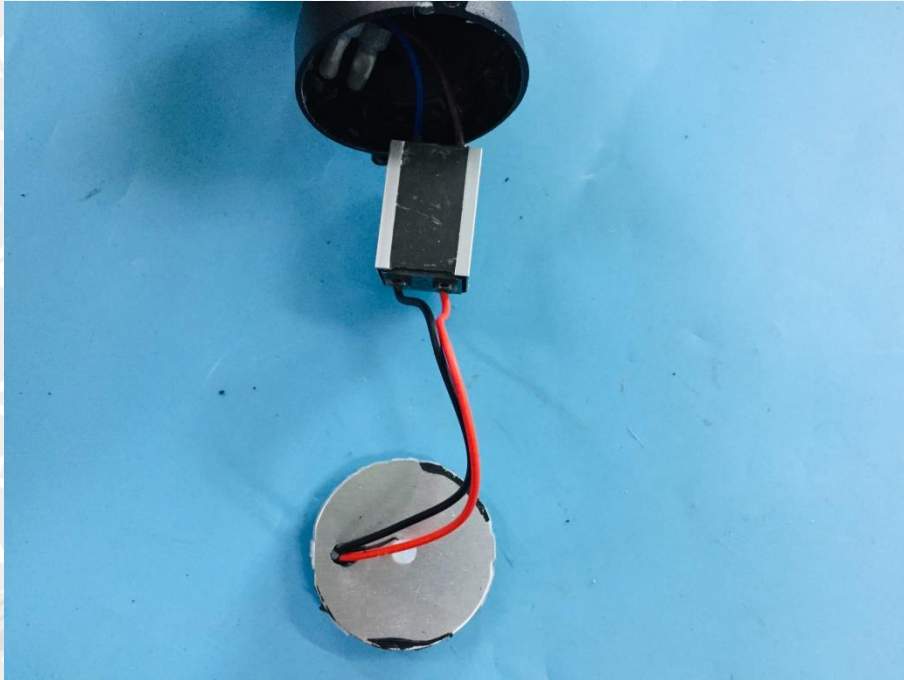


After the test IP6X

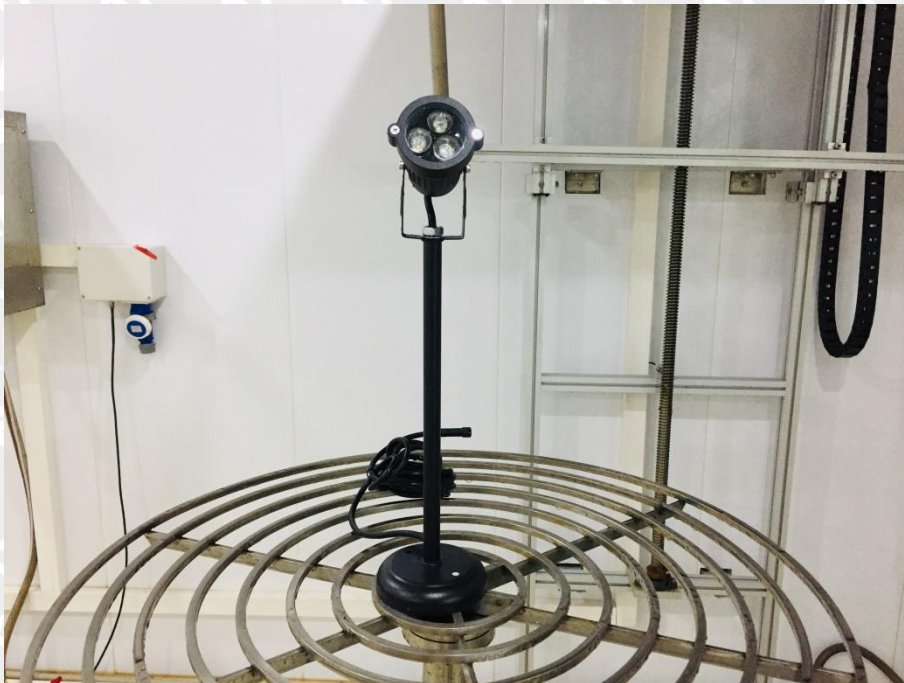


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Before the test IPX5

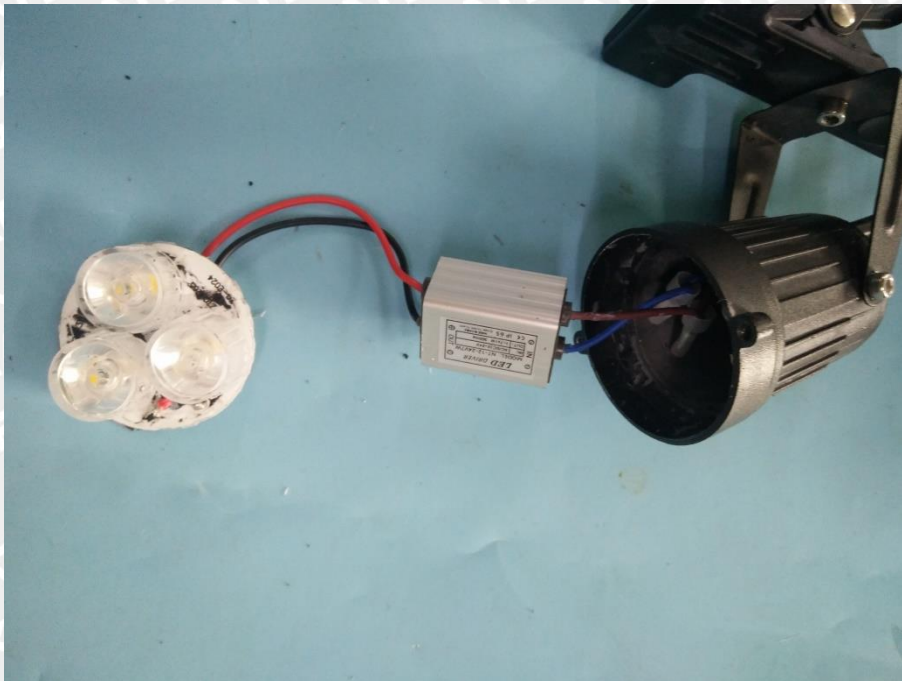


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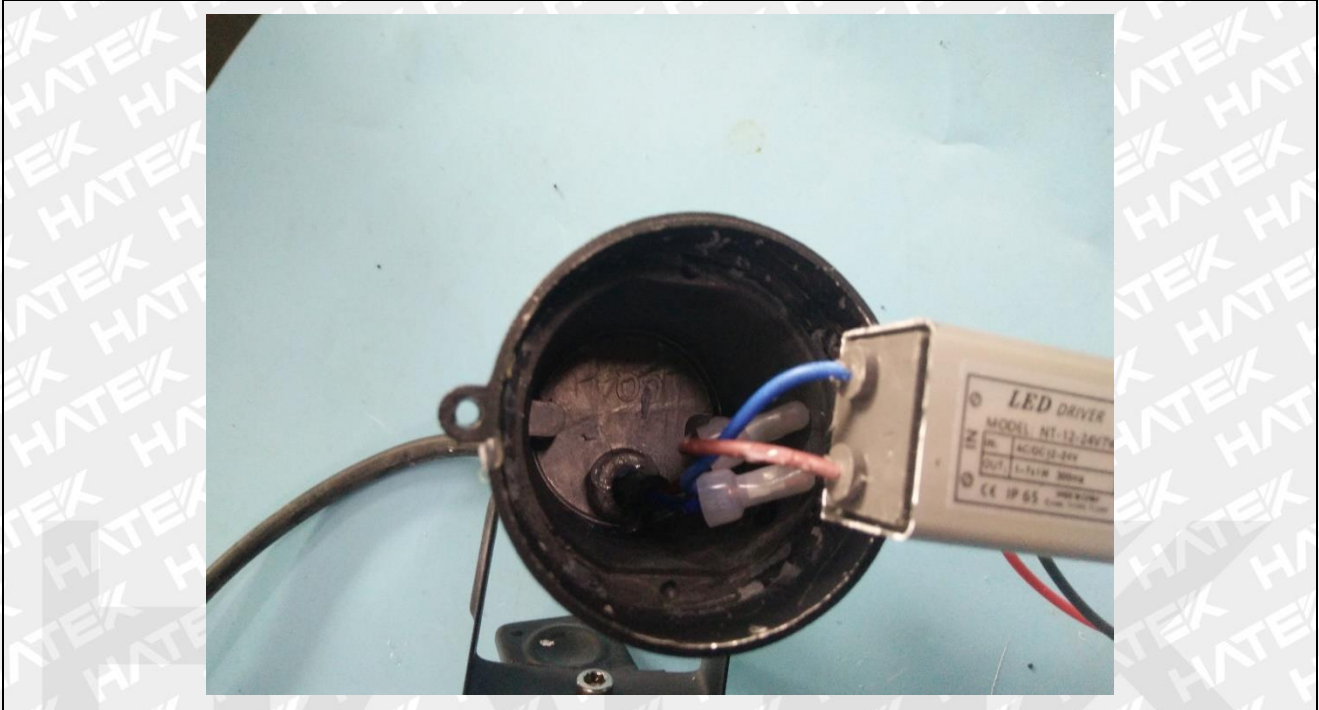
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After the test IPX5



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====End of Test Report ====

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