

TEST REPORT

Report Number. HA0124NB020588SFO

Address of manufacturer...... Dajiahe Industrial Zone, Ninghai town, Ningbo City, China

Name of factory (ies)...... NINGBO DIE CASTING MAN ENERGY CO., LTD.

Address of factory (ies) Dajiahe Industrial Zone, Ninghai town, Ningbo City, China

Product Name LED Street light

Trade Mark(s) N/A

YASL-29-240

Ratings 100-240V~, 50/60Hz, IP66

Total number of pages 9 pages

Standard EN 60529:1991 + A1:2000 + A2:2013

IEC 60529:1989 + A1:1999 + A2:2013

Date of Receipt sample...... March 26, 2024

Date of Test March 27, 2024 to March 29, 2024

Date of issue April 23, 2024

Test Report Form No...... HATEK60529_IP66A

Test Result Pass

Prepared By:

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Rick Chen / Project Engineer

Approved by

Milse Xie / General Manage



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General product information:

- 1. The products covered in this report are only LED street lights.
- 2. All models are the same except for size.





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List of test items:

Test Model	Test Items	Result
	IP6X test	Pass
2	IPX6 test	Pass





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Test Items:

- 1) Test for protection against access to hazardous parts: IP6X
- 2) 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%.

- 1) Wire of 1.0mm Φ is inserted through any openings of the enclosure with a force of 1N±10%.
- 2) 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:

- 1) The protection is satisfactory if adequate clearance is kept between the access probe and hazardous parts.
- 2) The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.

Test Result:

ot Nesuit.
) Adequate clearance was kept between the test wire and hazardous parts.
2) No deposit of dust is observable inside the enclosure.
☐ Pass ☐ Fail

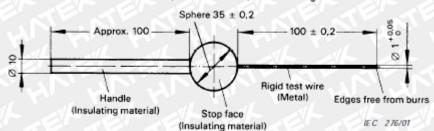
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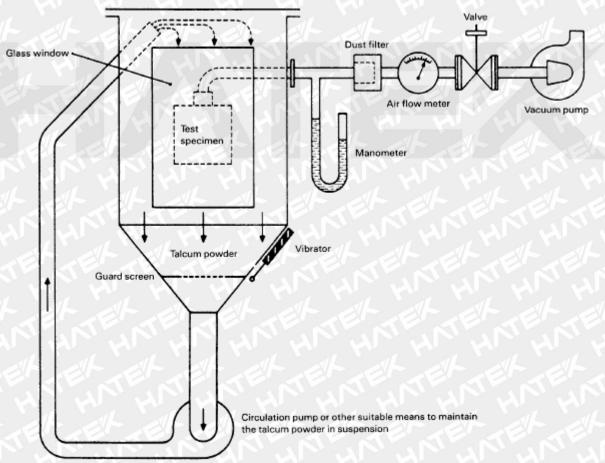


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Test wire 1,0 mm diameter, 100 mm long





IEC 280/01



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Test Item:

Tests for protected against water jets: IPX6

Test Method:

Internal diameter of the nozzle: 12.5mm;

Delivery rate: 100L/min ± 5%;

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

Core of the substantial stream: circle of approximately 120mm 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:

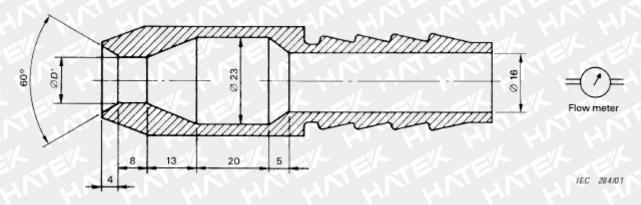
In general, if any water has entered, it shall not:

- 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:

There was water accumulating on the inner wall of the enclosure.

□ Pass □ Fail



Dimensions in millimetres

D' = 6.3 for the test of 14.2.5 (second characteristic numeral 5)

D' = 12.5 for the test of 14.2.6 (second characteristic numeral 6)





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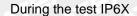
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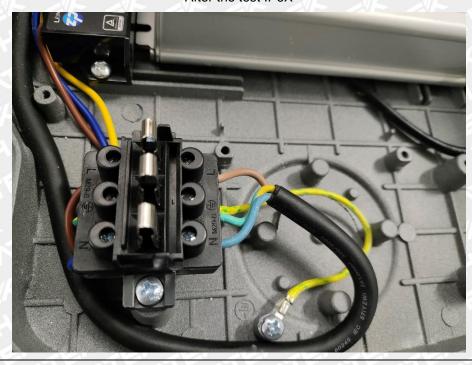
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After the test IP6X



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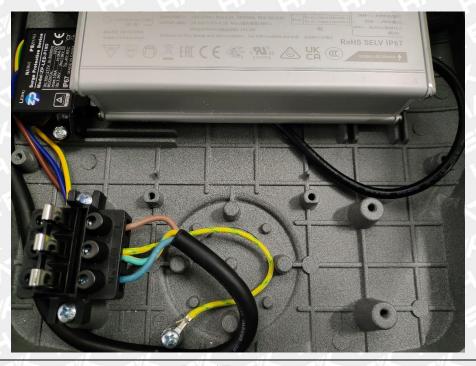


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After the test IPX6



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