

TEST REPORT

Report Number: HA0124NB040801SPS

Applicant's name: NINGBO DIE CASTING MAN ENERGY CO., LTD.

Applicant's address: Dajiahe Industrial Zone, Ninghai town, Ningbo City, China

Name of manufacturer: NINGBO DIE CASTING MAN ENERGY CO., LTD.

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

Model No.: YASL-19-80, YASL-19-30, YASL-19-50, YASL-19-150, YASL-19-400

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

Total number of pages: 5 pages

Standard: IEC 62262:2002
EN 62262:2002

Date of Receipt sample: April 11, 2024

Date of Test: April 11, 2024 to April 15, 2024

Date of issue: April 23, 2024

Test Report Form No.: HATEK62262_IK08B

Test Result: Pass

Prepared By:

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Prepared by:

Rick Chen

Rick Chen / Project Engineer

Approved by:

Milse Xie
Milse Xie / General Manager



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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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Test Item:

Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK08)

Test Condition:

Ambient: 25.0°C

Air pressure: 101kPa

Impact energy: 5.0J (IK08), see below Table 1

Table 1 – Relation between IK code and impact energy

IK Code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	<u>IK08</u>	IK09	IK10
Impact energy, J	*	0.14	0.2	0.35	0.5	0.7	1	2	<u>5</u>	10	20

Test Method:

During the test the enclosure shall be mounted on a rigid support, according to the manufacturer's instructions for use.

The number of impacts shall be five on each exposed face. The impacts shall be evenly distributed on the faces of the enclosure under test. In no case shall more than three impacts be applied in the surroundings of the same point of the enclosure.

Acceptance Condition:

During the test, the plastic enclosure should not be damaged, and the deformation of the metal enclosure should not be enough to affect the safety of the equipment.

Test Result:

Impact position	Test result	Judgement
1	The metal enclosure was concave about 2mm, but did not affect the safety of the equipment	Pass
2	No visible change	Pass
3	The metal enclosure was concave about 2mm, but did not affect the safety of the equipment	Pass
4	The metal enclosure was concave about 3mm, but did not affect the safety of the equipment	Pass
5	The metal enclosure was concave about 1mm, but did not affect the safety of the equipment	Pass
6	The metal enclosure was concave about 1mm, but did not affect the safety of the equipment	Pass

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Description of impact position:



☒ Pass ☐ Fail

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Overall view of sample:



----- End of Test Report -----

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