

## TEST REPORT

Report Number .....: HA0124NB040810SPS

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-28-60M, YASL-28-40, YASL-28-90, YASL-28-120,  
YASL-28-160, YASL-28-240, YASL-28-40M, YASL-28-60M,  
YASL-28-90M, YASL-28-120M, YASL-28-160M, YASL-28-240M

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 17, 2024

Date of issue .....: April 29, 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 / 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.
3. The model YASL-28-60M was selected to conduct full tests.



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# TEST REPORT

**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 3mm, 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 2mm, but did not affect the safety of the equipment | Pass      |
| 6               | The metal enclosure was concave about 2mm, but did not affect the safety of the equipment | Pass      |

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## TEST REPORT

Description of impact position:



☒ Pass ☐ Fail

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## TEST REPORT

Overall view of sample:



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

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