

## TEST REPORT

**Report Number** ..... : HA0124NB040808SPS  
**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-27-120M, LASL-27-40, YASL-27-60, YASL-27-200,  
YASL-27-40M, YASL-27-60M YASL-27-120M, YASL-27-200M,  
YASL-27H-120, YASL-27H-200, YASL-27H-120M,  
YASL-27H-200M,  
**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 30, 2024  
**Test Report Form No.** ..... : HATEK62262\_IK08B  
**Test Result** ..... : Pass

**Prepared By:**

**Ningbo HATEK Co., Ltd.**

6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China

Tel: +86-574-87171888

E-mail: info@hatek.com.cn

Prepared by:

*Rick Chen*

Rick Chen / Project Engineer

Approved by:

*Milse Ki*

Milse Ki / General Manager



# TEST REPORT

**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-27-120M 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	<b>IK08</b>	IK09	IK10
Impact energy, J	*	0.14	0.2	0.35	0.5	0.7	1	2	<b>5</b>	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.

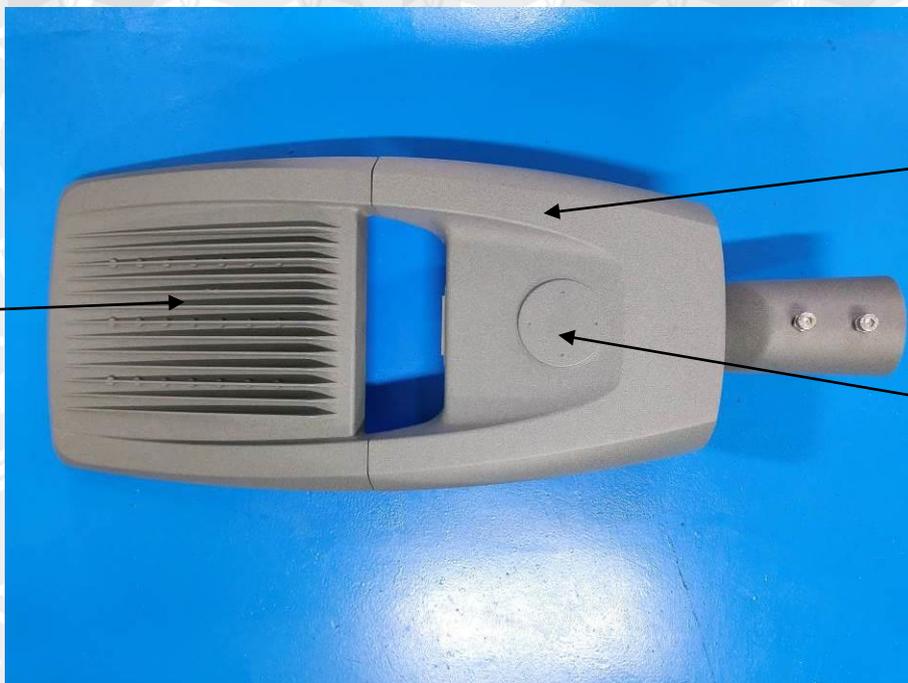
**Test Result:**

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 2mm, 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 3mm, 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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Ningbo HATEK Co., Ltd.  
Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China  
Tel: 86-574-87171888 [www.hatek.com.cn](http://www.hatek.com.cn) E-mail: [info@hatek.com.cn](mailto:info@hatek.com.cn)