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TEST REPORT EN 62262 Degrees of protection provided by enclosure for electrical equipment against external mechanical impacts(IK code)	
Report Reference No.....	AOCE260509746-S
Tested by (name + signature).....	Son An
Supervised by (name + signature).....	Xena Xie
Approved by (name + signature).....	Sanji Guan
Date of issue.....	2026-06-12
Testing Laboratory Name.....	Zhongshan AOCE Testing Technology Co., Ltd.
Address.....	5/F, Building A, No.5 Jingdi Road, Henglan, Zhongshan, Guangdong, China.
Testing location.....	Same as above
Applicant's name.....	ZHEJIANG ALITE LIGHTING CO., LTD
Address.....	2nd Floor, 8th Building, No. 188 East Development Avenue, Taizhou City, Zhejiang, China
Test Report Form No.	
Standard.....	EN 62262:2002+A1:2021
TRF originator.....	TRF.EN 62262B
Master TRF	Dated 2026-06
Test result	Pass
Non-standard test method.....	N/A
Test item description..... LED STREET LIGHT	
Trade Mark.....	
Manufacturer.....	ZHEJIANG ALITE LIGHTING CO., LTD 2nd Floor, 8th Building, No. 188 East Development Avenue, Taizhou City, Zhejiang, China
Model/Type reference.....	ZS03 120W, other model see the Function / Description
Test result :	Refer to the next pages.

1. Function / Description :

LED STREET LIGHT, Rating: 85-265 V~, 50/60 Hz, 120W MAX, Class II, IP66, IK09. Lamp cover is plastics, Metal enclosure.

All model's name: ZS03 120W, ZS03 60W, ZS03 75W, ZS03 80W, ZS03 100W, ZS03 120W, ZS03 150W, ZS03 160W, ZS03 180W. have same construction operating principle and BOM, only the size shape and power different with marketing requirement.

All tests were conducted on the representative model ZS03 120W.

2. Summary of testing and conclusion :**Clause 6 Test verify the protection against mechanical impacts**

- The test specified in this standard is type test.
- In order to verify the protection against mechanical impacts, blows shall be applied to the enclosure to be tested. The devices to be used for this test are described in clause 7.
- During the test the enclosure shall be mounted on a rigid support, according to the manufacturer's instruction for use. A support is considered to be sufficiently rigid if its displacement is less than or equal to 0.1mm under the effect of an impact directly applied and whose energy corresponds to the degree of protection. Alternative mounting and support, suitable for the product, may be specified in the relevant product standard.
- The number of impacts shall be five on each exposed face unless otherwise specified in the relevant Product standard. The impacts shall be evenly distributed on the faces of the enclosure(s) under test.

No case shall more than three impacts be applied in the surroundings of the same point of the enclosure.

The relevant product standard shall specify the points of application of Impacts.

IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Impact energy(J)	*	0.14	0.2	0.35	0.5	0.7	1	2	5	10	20

* Not protected according to this standard.

Tests were performed on 2026-06-12.

Temperature: 25.8°C

Air pressure: 101.2kPa

Test apparatus: 50mm steel ball

Impact number: 5

3. Test Result:

CLAUSE 6.1	Verdict
The relevant product standard shall specify the criteria upon which the acceptance or rejection of the enclosure is to be based, particularly	
● admissible damages	No damage
● Verification criteria relative to the continuity of the safety and reliability of the equipment.	No unsafety

Model	After five impact (impact energy IK09: 10J)	Verdict
ZS03 120W	No damage, no danger, no cracking.	Pass

4. Photo document



----- END OF THE REPORT -----

STATEMENT

The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

If you have any objection to this report, please submit it to the test unit within 15 days from the date of receipt of the report.

Test Laboratory: Zhongshan AOCE Testing Technology Co., Ltd.

Address: 5/F, Building A, No.5 Jingdi Road, Henglan, Zhongshan, Guangdong, China.

TEL: +86-760-87553128

URL: www.aoce-lab.com

E-Mail: guanlilin@aoce-lab.com