
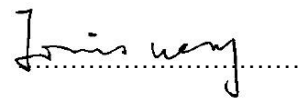



TEST REPORT	
<b>Report Reference No.</b>	: 4380927.56
Tested by (name + signature)	: Speed Sun 
Approved by (name + signature)	: Jimmy Wang 
Date of issue	: 2021-11-19
Contents / enclosures	: 10 pages
<b>Testing Laboratory</b>	: DEKRA Testing and Certification (Shanghai) Ltd. Guangzhou Branch
Testing location / address	: Block 5, No.3, Qiyun Road, Huangpu District, Guangzhou, Guangdong, China
<b>Applicant</b>	: AOK Industrial Company Limited
Address	: East Suite (2/F, Plant 4, St George's Science and Technology Industrial Park) 3/F, Building 1, St George's Science and Technology Industrial Park North Side of Xinyu Road, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, China
<b>Test specification:</b>	:
Standard(s)	: IEC 62262: 2002
Test procedure	: Partial test
<b>Test object description</b>	: LED luminaires
Trade Mark	: 
Manufacturer	: Same as applicant
Factory	: Same as applicant
Model/Type reference	: Refer to Attachment 1 for detailed model list
Ratings	: 220-240 VAC, 50/60 Hz, Class I, IP66, ta: 55 °C; non-user replaceable LEDs; Other information refers to Attachment 1 for detailed model list
<b>Number of test objects</b>	: 4 pcs
<b>Possible test case verdicts:</b>	
- test case applies to the test object but does not be checked	: N/C
- test case does not apply to the test object	: N/A
- test object does meet the requirement	: <b><u>P(Pass)</u></b>
- test object does not meet the requirement	: F(Fail)
<b>Test program</b>	: The test object has been submitted to a test program as mentioned on the next page.

**Summary of test results:**

Based on the test results given in this report, the submitted samples **complied** with the relevant requirements mentioned in this report.

**The test results shown in this report relate only to the tests performed according to the test program. The test object has not been submitted to a full test program.**

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**Test program:**

Perform partial test as per applicant's requirement.

**General remark:**

The test results presented in this report relate only to the object tested.

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The measurement result is considered in conformance with the requirement if it is within the prescribed limit, it is not necessary to calculate the uncertainty associated with the measurement result.

This report will not be used for social proof function in China market.

The products for iNM series covered in this report are class I streetlights, equipped with non-user replaceable LEDs.

Other models covered in this report are class I floodlights, equipped with non-user replaceable LEDs.

AOK-960WiNS-NV-S5-00-6570-15-P, AOK-580WiNM-NV-S5-00-6570-120-P, AOK-580WiNS-NV-S5-00-4070-30-P were subjected to IK10 test and the test result was positive.

AOK-230WiF-NV-L3-00-6570-T301-P was subjected to IK08 test and the test result was positive.

**Copy of marking plate or identification photo:**

N/A

**Test results:**

NUMBER	CONTENTS	PASS	FAIL	REMARK	N/A	N/C
1.01	IK08 test for iF Series	X				
1.02	IK10 for other models	X				

**1.01 IK08 Test of IEC 62262: 2002 for AOK-230WiF-NV-L3-00-6570-T301-P:****Test condition:****4.2 Characteristic group numerals of the IK code and their meanings**

Each characteristic group numeral, represents an impact energy value as shown in Table 1.

**Table 1 — Relation between IK code and impact energy**

IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Impact energy Joule	<sup>a</sup>	0,14	0,2	0,35	0,5	0,7	1	2	5	10	20
<sup>a</sup> not protected according to this standard											

NOTE 1 When higher impact energy is required the value of 50 Joules is recommended.

NOTE 2 A characteristic group numeral of two figures has been chosen to avoid confusion with some former national standards which used a single numeral for a specific impact energy.

**6 Test to verify the protection against mechanical impacts**

**6.1** The tests specified in this standard are type tests.

**6.2** In order to verify the protection against mechanical impacts blows shall be applied to the enclosure to be tested. The device to be used for this test are described in Clause 7.

**6.3** During the test the enclosure shall be mounted, according to the manufacturer instructions for use, on a rigid support. A support is considered to be sufficiently rigid if its displacement is less than or equal to 0,1 mm 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.

**6.4** 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. In 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.

**Test verdict:****6.5 Test evaluation**

The relevant product standard shall specify the criteria upon which the acceptance or rejection of the enclosure is to be based on particularly:

- admissible damages;
- verification criteria relative to the continuity of the safety and reliability of the equipment.

Pass. After IK08 impact test, no damage was found on exterior of metal enclosure and glass cover for the submitted sample.

Note: Three impacts were performed at each test location.

**1.01 IK10 Test of IEC 62262: 2002 for other models:****Test condition:****4.2 Characteristic group numerals of the IK code and their meanings**

Each characteristic group numeral, represents an impact energy value as shown in Table 1.

**Table 1 — Relation between IK code and impact energy**

IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Impact energy Joule	<sup>a</sup>	0,14	0,2	0,35	0,5	0,7	1	2	5	10	20
<sup>a</sup> not protected according to this standard											

NOTE 1 When higher impact energy is required the value of 50 Joules is recommended.

NOTE 2 A characteristic group numeral of two figures has been chosen to avoid confusion with some former national standards which used a single numeral for a specific impact energy.

**6 Test to verify the protection against mechanical impacts**

**6.1** The tests specified in this standard are type tests.

**6.2** In order to verify the protection against mechanical impacts blows shall be applied to the enclosure to be tested. The device to be used for this test are described in Clause 7.

**6.3** During the test the enclosure shall be mounted, according to the manufacturer instructions for use, on a rigid support. A support is considered to be sufficiently rigid if its displacement is less than or equal to 0,1 mm 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.

**6.4** 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. In 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.

**Test verdict:****6.5 Test evaluation**

The relevant product standard shall specify the criteria upon which the acceptance or rejection of the enclosure is to be based on particularly:

- admissible damages;
- verification criteria relative to the continuity of the safety and reliability of the equipment.

Pass. After IK10 impact test, no damage was found on exterior of metal enclosure and plastic LED lens of the submitted sample.

Note: Three impacts were performed at each test location.

**Pictures of the appliances:**

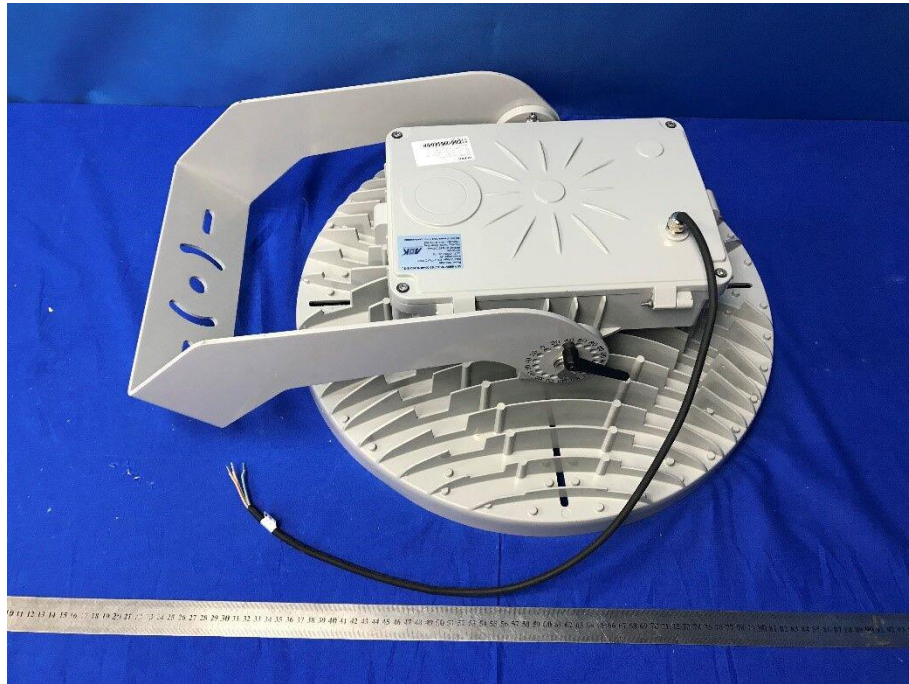


Overall view of AOK-960WiNS-NV-XX-XX-XXYY-BN-P



Front panel view of AOK-960WiNS-NV-XX-XX-XXYY-BN-P





Overall view of AOK-580WiNS-NV-XX-XX-XXYY-BN-P

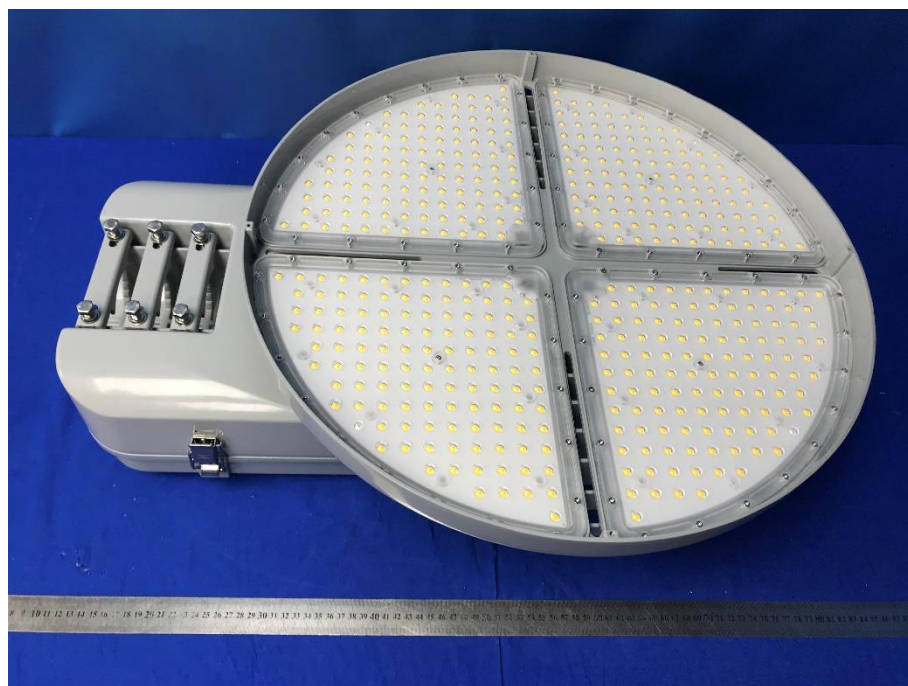


Front panel view of AOK-580WiNS-NV-XX-XX-XXYY-BN-P

Note: AOK-580WiNS-NV-XX-XX-XXYY-BN-P have similar construction with AOK-960WiNS-NV-XX-XX-XXYY-BN-P.



Overall view AOK-580WiNM-NV-XX-XX-XXYY-BN-P



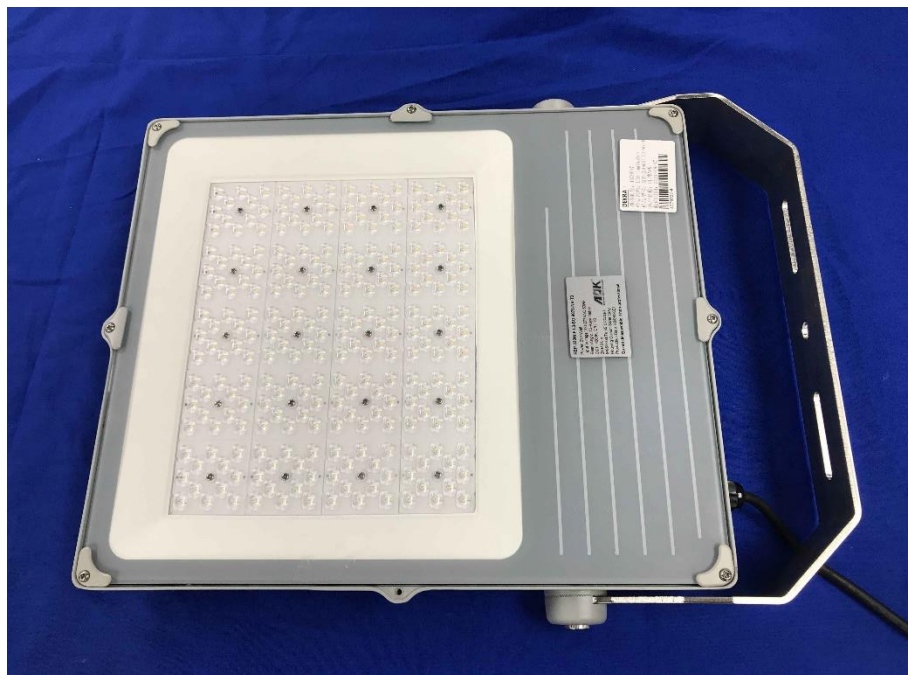
Front panel view AOK-580WiNM-NV-XX-XX-XXYY-BN-P

Note: AOK-580WiNM-NV-XX-XX-XXYY-BN-P have similar construction with AOK-960WiNS-NV-XX-XX-XXYY-BN-P.





Overall view of AOK-230WiF-NV-XX-XX-XXYY-BN-P



Front panel view of AOK-230WiF-NV-XX-XX-XXYY-BN-P

## Attachment 1: Detailed Model List

No.	Series	Model	Power (W)	Dimension (mm)	Remark
1	iNS Series	AOK-960WiNS-NV-XX-XX-XXYY-BN-P	960	550*336	Diameter*Height
1-1		AOK-720WiNS-NV-XX-XX-XXYY-BN-P	720		
1-2		AOK-580WiNS-NV-XX-XX-XXYY-BN-P	580		
1-3		AOK-460WiNS-NV-XX-XX-XXYY-BN-P	460		
1-4		AOK-380WiNS-NV-XX-XX-XXYY-BN-P	380	468*343	Diameter*Height
1-5		AOK-315WiNS-NV-XX-XX-XXYY-BN-P	315		
2	iF Series	AOK-230WiF-NV-XX-XX-XXYY-BN-P	230	496*503*65	Length*Width*Height
2-1		AOK-200WiF-NV-XX-XX-XXYY-BN-P	200		
2-2		AOK-145WiF-NV-XX-XX-XXYY-BN-P	145	416*300*55	Length*Width*Height
2-3		AOK-96WiF-NV-XX-XX-XXYY-BN-P	96		
2-4		AOK-75WiF-NV-XX-XX-XXYY-BN-P	75	337*269*52	Length*Width*Height
2-5		AOK-50WiF-NV-XX-XX-XXYY-BN-P	50		
2-6		AOK-30WiF-NV-XX-XX-XXYY-BN-P	30		
3	iNM Series	AOK-580WiNM-NV-XX-XX-XXYY-BN-P	580	705*550	Diameter*Height
3-1		AOK-460WiNM-NV-XX-XX-XXYY-BN-P	460		
3-2		AOK-380WiNM-NV-XX-XX-XXYY-BN-P	380	664*468	Diameter*Height
3-3		AOK-315WiNM-NV-XX-XX-XXYY-BN-P	315		
3-4		AOK-230WiNM-NV-XX-XX-XXYY-BN-P	230		

## Description:

1. The first "XX" can be any letter to denote manufacturer of LED;
2. The second "XX" denotes dimming control, which can be as following: 00=No sensor provided, DV=DALI, timer or DIP switch;
3. "XXYY" can be any numbers to denote Colour Temperature & Colour Rendering Index of LED;
4. "BN" can be any letter or number to denote beam angles.

---End---