

TEST REPORT For Vibration test	
Report Reference No.	: 4380927.55
Tested by (name + signature)	: Speed Sun <i>Speed Sun</i>
Approved by (name + signature)	: Jimmy Wang <i>Jimmy Wang</i>
Date of issue	: 2021-11-19
Contents / enclosures	: 9 pages
Testing Laboratory	: DEKRA Testing and Certification (Shanghai) Ltd. Guangzhou Branch
Testing location / address	: Block 5, No.3, Qiyun Road, Huangpu District, Guangzhou, Guangdong, China
Applicant	: 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
Test specification:	:
Standard(s)	: Specified test condition (cl. 4.20 of IEC 60598-1: 2020 and EN IEC 60598-1: 2021+ 5 g acceleration)
Test procedure	: Partial test
Test object description	: 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
Number of test objects	: 4 pcs
Possible test case verdicts:	
- 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	: <u>P(Pass)</u>
- test object does not meet the requirement	: F(Fail)
Test program	: 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 do **comply** 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. This report shall not be reproduced except in full without the written approval of the testing laboratory.

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 iNM03 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.

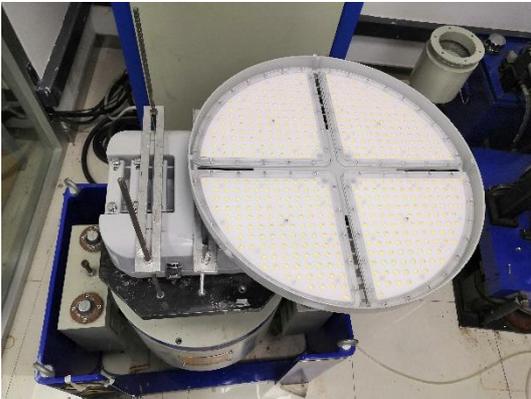
AOK-960WiNS-NV-S5-00-6570-15-P, AOK-580WiNM-NV-S5-00-6570-120-P, AOK-580WiNS-NV-S5-00-4070-30-P and AOK-230WiF-NV-L3-00-6570-T301-P were subjected to Vibration test according to Cl.4.20 (accelerated velocity was corrected to 5g) of IEC 60598-1: 2020 and IEC 60068-2-6: 2007 as the client required, the test result is positive.

Copy of marking plate or identification photo:

N/A

Test results:

NUMBER	CONTENTS	PASS	FAIL	N/A	REMARK
Clause 4.20	Vibration test (5g)	X			

Clause 4.20: Vibration test	
Test condition:	<p>(a) Application In order to determine its resistance to vibration such as might be encountered from severe storm wind gusts, any side-entry luminaire that is of a mass greater than 7 kg and is not designated as a decorative style of luminaire shall be tested.</p> <p>(b) Test procedures The vibration stress test in accordance with AS 60068.2.6 The luminaire is fastened in its most onerous but normal position of installation to a vibration generator. The direction of vibration is in the most onerous direction and the severity is: Duration: 30 min. Acceleration: 5g, Frequency range: 10 Hz, 55 Hz, 10 Hz, Sweep rate: approximately one octave per minute.</p>
Test criteria	At the test, the luminaire shall have no loosened parts which could impair the safety.
Test verdict:	Pass. No visual damage was found on the samples. After the test, no part of the product show mechanical damage and loosened.
Photos:	
	
AOK-230WiF-NV-XX-XX-XXYY-BN-P	AOK-580WiNS-NV-XX-XX-XXYY-BN-P
	
AOK-580WiNM-NV-XX-XX-XXYY-BN-P	AOK-960WiNS-NV-XX-XX-XXYY-BN-P

Product photos:



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

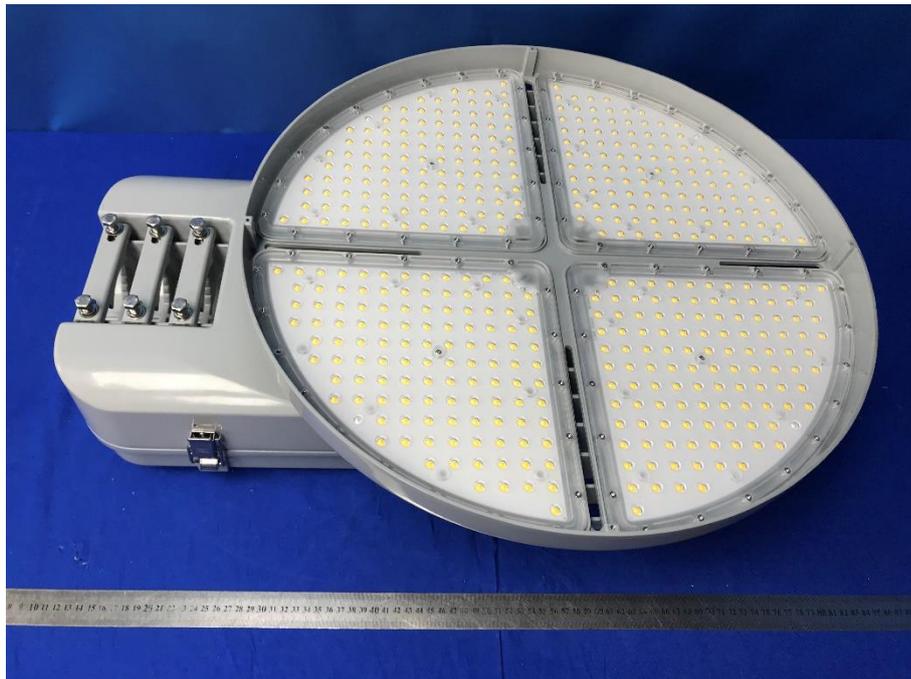


Front panel view of AOK-580WiNS-NV-XX-XX-XXYY-BN-P

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

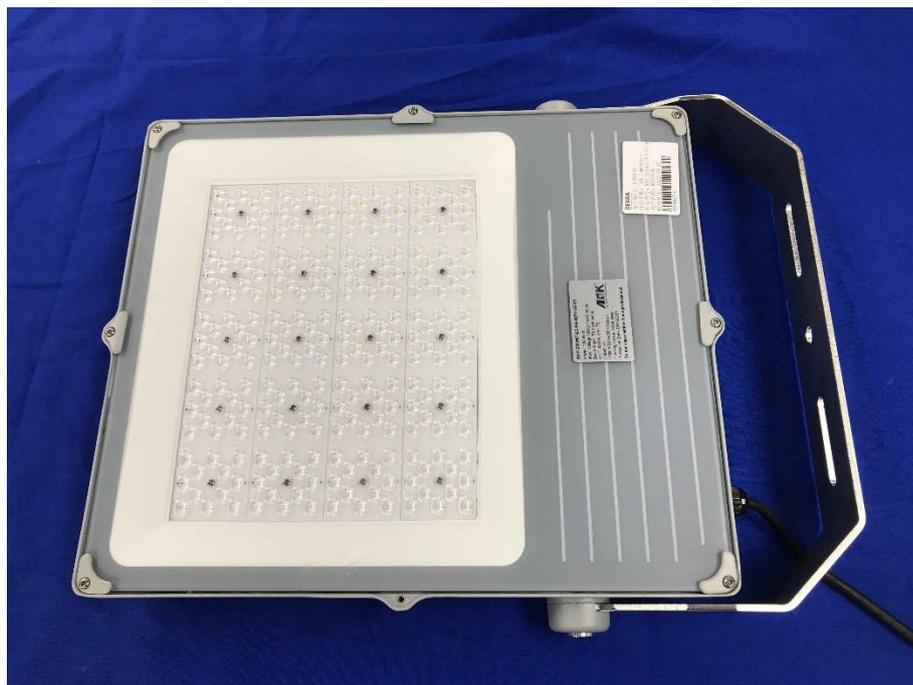


Front panel view AOK-580WiNM-NV-XX-XX-XXYY-BN-P

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	468*343	Diameter*Height
1-4		AOK-380WiNS-NV-XX-XX-XXYY-BN-P	380		
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.					

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