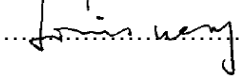


TEST REPORT	
Report Reference No.	: 4903216.54
Tested by (name + signature)	: Speed Sun 
Approved by (name + signature)	: Jimmy Wang 
Date of issue	: 2023-05-15
Contents / enclosures	: 7 pages
Testing Laboratory	: DEKRA Testing and Certification (Shanghai) Ltd. Guangzhou Branch
Testing location / address	: 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)	: IEC 60598-1: 2020 used in conjunction with EN IEC 60598-1: 2021
Test procedure	: Partial test
Test object description	: LED Streetlight
Trade Mark	: 
Manufacturer	: Same applicant
Factory	: Same 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	: 2 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 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 covered in this report are class I streetlights, equipped with non-user replaceable LEDs.

AOK-300WiL02-NV-S3-PH-6570-T2-P, AOK-100WiLA-NV-S5-PH-6570-T2-P were subjected to IP66 test after endurance test and the test results were positive.

Copy of marking plate or identification photo:

N/A

Test results:

CLAUSES	CONTENTS	PASS	FAIL	REMARK	N/A	N/C
12.3	Endurance test	√				
9.2	IP66 test	√				

9.2 Test for Ingress of Dust, Solid Objects and Moisture			
Rating:	IPX6	Water Pressure:	☐ IPX3, IPX4: 80kN/m ² ☐ IPX5: 30kN/m ² ☒ IPX6: 100kN/m ²
Test Condition:	9.2.7 Powerful water jet-proof luminaires (second characteristic IP numeral 6) are switched off and immediately subjected to a water jet for 3 min from all directions by means of a hose having a nozzle with the shape and dimensions shown in Figure 8. The nozzle shall be held 3 m away from the sample. <i>The water pressure at the nozzle shall be adjusted to achieve a water flow rate of 100 l/min $\pm$ 5 % (approximately 100 kN/m²).</i>		
Observation:	No water entered the luminaire.		
Rating:	IP6X		
Test Condition:	9.2.1 Dust-proof luminaires (first characteristic IP numeral 5) shall be tested in a dust chamber similar to that shown in Figure 6, in which talcum powder is maintained in suspension by an air current. The chamber shall contain 2 kg of powder for every cubic metre of its volume. The talcum powder used shall be able to pass through a square-meshed sieve whose nominal wire diameter is 50 μm and whose nominal free distance between wires is 75 μm. It shall not have been used for more than 20 tests. <i>The test shall proceed as follows.</i> <i>The luminaire is suspended outside the dust chamber and operated at rated supply voltage until operating temperature is achieved.</i> <i>The luminaire, whilst still operating, is placed with the minimum disturbance in the dust chamber.</i> <i>The door of the dust chamber is closed.</i> <i>The fan/blower causing the talcum powder to be in suspension is switched on.</i> <i>After 1 min, the luminaire is switched off and allowed to cool for 3 h whilst the talcum powder remains in suspension.</i> NOTE The 1 min interval between switching on the fan/blower and switching off the luminaire is to ensure that the talcum powder is properly in suspension around the luminaire during initial cooling, which is most important with smaller luminaires. The luminaire is operated initially as in item a) to ensure the test chamber is not overheated. 9.2.2 Dust-tight luminaires (first characteristic IP numeral 6) are tested in accordance with 9.2.1.		
Observation:	No deposit of talcum powder was observable inside the enclosure at the end of the test.		

Product Photos:



Overall view of AOK-300WIL02-NV-S3-PH-6570-T2-P



Rear view of AOK-300WIL02-NV-S3-PH-6570-T2-P



Overall view of AOK-100WiLA-NV-S5-PH-6570-T2-P



Rear view of AOK-100WiLA-NV-S5-PH-6570-T2-P

Attachment 1: Detailed Model List

No.	Model	Power (W)	Dimension (mm)	Remark
1-1	AOK-20WiLA-NV-XX-XX-XXYY-BN-P	20	537*210*88	Length*Width*Height
1-2	AOK-30WiLA-NV-XX-XX-XXYY-BN-P	30	537*210*88	Length*Width*Height
1-3	AOK-40WiLA-NV-XX-XX-XXYY-BN-P	40	537*210*88	Length*Width*Height
1-4	AOK-50WiLA-NV-XX-XX-XXYY-BN-P	50	537*210*88	Length*Width*Height
1-5	AOK-60WiLA-NV-XX-XX-XXYY-BN-P	60	537*210*88	Length*Width*Height
1-6	AOK-70WiLA-NV-XX-XX-XXYY-BN-P	70	537*210*88	Length*Width*Height
1-7	AOK-75WiLA-NV-XX-XX-XXYY-BN-P	75	537*210*88	Length*Width*Height
1-8	AOK-80WiLA-NV-XX-XX-XXYY-BN-P	80	567*228*88	Length*Width*Height
1-9	AOK-90WiLA-NV-XX-XX-XXYY-BN-P	90	567*228*88	Length*Width*Height
1-10	AOK-100WiLA-NV-XX-XX-XXYY-BN-P	100	567*228*88	Length*Width*Height
2-1	AOK-20WiL02-NV-XX-XX-XXYY-BN-P	20	492*179*119	Length*Width*Height
2-2	AOK-30WiL02-NV-XX-XX-XXYY-BN-P	30	492*179*119	Length*Width*Height
2-3	AOK-40WiL02-NV-XX-XX-XXYY-BN-P	40	492*179*119	Length*Width*Height
2-4	AOK-50WiL02-NV-XX-XX-XXYY-BN-P	50	492*179*119	Length*Width*Height
2-5	AOK-60WiL02-NV-XX-XX-XXYY-BN-P	60	492*179*119	Length*Width*Height
2-6	AOK-80WiL02-NV-XX-XX-XXYY-BN-P	80	646*240*137	Length*Width*Height
2-7	AOK-90WiL02-NV-XX-XX-XXYY-BN-P	90	646*240*137	Length*Width*Height
2-8	AOK-100WiL02-NV-XX-XX-XXYY-BN-P	100	646*240*137	Length*Width*Height
2-9	AOK-120WiL02-NV-XX-XX-XXYY-BN-P	120	646*240*137	Length*Width*Height
2-10	AOK-130WiL02-NV-XX-XX-XXYY-BN-P	130	676*290*137	Length*Width*Height
2-11	AOK-140WiL02-NV-XX-XX-XXYY-BN-P	140	676*290*137	Length*Width*Height
2-12	AOK-150WiL02-NV-XX-XX-XXYY-BN-P	150	676*290*137	Length*Width*Height
2-13	AOK-160WiL02-NV-XX-XX-XXYY-BN-P	160	676*290*137	Length*Width*Height
2-14	AOK-180WiL02-NV-XX-XX-XXYY-BN-P	180	676*290*137	Length*Width*Height
2-15	AOK-200WiL02-NV-XX-XX-XXYY-BN-P	200	756*308*138	Length*Width*Height
2-16	AOK-220WiL02-NV-XX-XX-XXYY-BN-P	220	756*308*138	Length*Width*Height
2-17	AOK-225WiL02-NV-XX-XX-XXYY-BN-P	225	756*308*138	Length*Width*Height
2-18	AOK-230WiL02-NV-XX-XX-XXYY-BN-P	230	756*308*138	Length*Width*Height
2-19	AOK-240WiL02-NV-XX-XX-XXYY-BN-P	240	756*308*138	Length*Width*Height
2-20	AOK-250WiL02-NV-XX-XX-XXYY-BN-P	250	756*308*138	Length*Width*Height
2-21	AOK-275WiL02-NV-XX-XX-XXYY-BN-P	275	756*308*138	Length*Width*Height
2-22	AOK-300WiL02-NV-XX-XX-XXYY-BN-P	300	756*308*138	Length*Width*Height

Description:

The first "XX" can be any letters to denote manufacturer of LED; and can be replaced by S5 to represent Seoul 5050 LED, or S35 to represent Seoul 3535 LED;

The second "XX" denotes dimming control; which can be as followings: 00=No sensor provided, PH=Plug-In photocontrol or NEMA Short-circuit cap provided, DV=dimming function;

The third "XX" can be 27, 30, 40, 50, 57 or 65 to denote colour temperature of LEDs, e.g. 27=2700K, 30=3000K, 40=4000K, 50=5000K, 57=5700K, 65=6500K;

"YY" can be 70, 80 or 90 to denote colour rendering index of LEDs, e.g. 70: CRI: 70, 80: CRI: 80, 90: CRI: 90;

"BN" can be any letter or number to denote beam angles

---End---