

TEST REPORT	
Report Reference No.....	: 4380927.57
Tested by (name + signature)...	: Speed Sun 
Approved by (name +signature)...	: Jimmy Wang 
Date of issue.....	: 2021-11-19
Total number of page.....	: 15 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
<b>Test specification:</b>	
Standard(s).....	: ASTM B117-19 and EN ISO 10289: 2001
Test procedure.....	: <input checked="" type="checkbox"/> Partial test
<b>Test object description.....</b> : LED Luminaires	
Trade Mark.....	: 
Manufacturer.....	: Same as applicant
Factory.....	: Same as applicant
Model/Type reference.....	: Please refer to Attachment 1 for details
Ratings.....	: 220-240 VAC, 50/60 Hz, Class I, IP66, ta: 55 °C;
...	: non-user replaceable LEDs;
	: Other information refers to Attachment 1 for details
Number of test objects	: 3 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)
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 sample AOK-230WiF-NV-L3-00-6570-T301-P shows slight blistering of the metal enclosure up to 0,134% of the total area ( $R_p=8$ ).

The submitted sample AOK-580WiNM-NV-S5-00-6570-120-P shows slight blistering of the metal enclosure up to 2,76% of the total area ( $R_p=4$ ).

The submitted sample AOK-960WiNS-NV-S5-00-6570-15-P shows slight blistering of the metal enclosure up to 1,70% of the total area ( $R_p=5$ ).

There is no any effect on light output after 1000 hours salt spray test.

**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.

**The salt spray test is carried out based on the following test requirements:**

ASTM B117-19

**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-230WiF-NV-L3-00-6570-T301-P, AOK-580WiNM-NV-S5-00-6570-120-P and AOK-960WiNS-NV-S5-00-6570-15-P were subjected to 1000 hours salt spray tests according to the request of the applicant.

Material of enclosure: Die-casting aluminum.

Material of screw and washers: Stainless steel.

Coating to basis metal:

For iF series: Powder Coating: Silver Gray RAL9006;

For other series: Powder Coating: Silver Gray Cool Gray 5C

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

N/A

**ANNEX 1: Test procedure and validation**

<b>1.01: Salt fog test</b>	
<b>Test condition:</b>	<p>Salt spray test for a minimum of 1000 hours is required in accordance with ASTM B117-19. Prior to the test, the luminaires' surface was cleaned.</p> <p>Ambient temperature: 35 °C ± 2 °C</p> <p>Salt concentration: 5% concentration (NaCl, Analytical pure grade)</p> <p>PH value: 7,0</p>
<b>Test verdict:</b>	<p>The submitted sample AOK-230WiF-NV-L3-00-6570-T301-P shows slight blistering of the metal enclosure up to 0,134% of the total area (Rp=8).</p> <p>The submitted sample AOK-580WiNM-NV-S5-00-6570-120-P shows slight blistering of the metal enclosure up to 2,76% of the total area (Rp=4).</p> <p>The submitted sample AOK-960WiNS-NV-S5-00-6570-15-P shows slight blistering of the metal enclosure up to 1,70% of the total area (Rp=5).</p> <p>There is no any effect on light output after 1000 hours salt spray test.</p>

**Pictures of the appliance:**

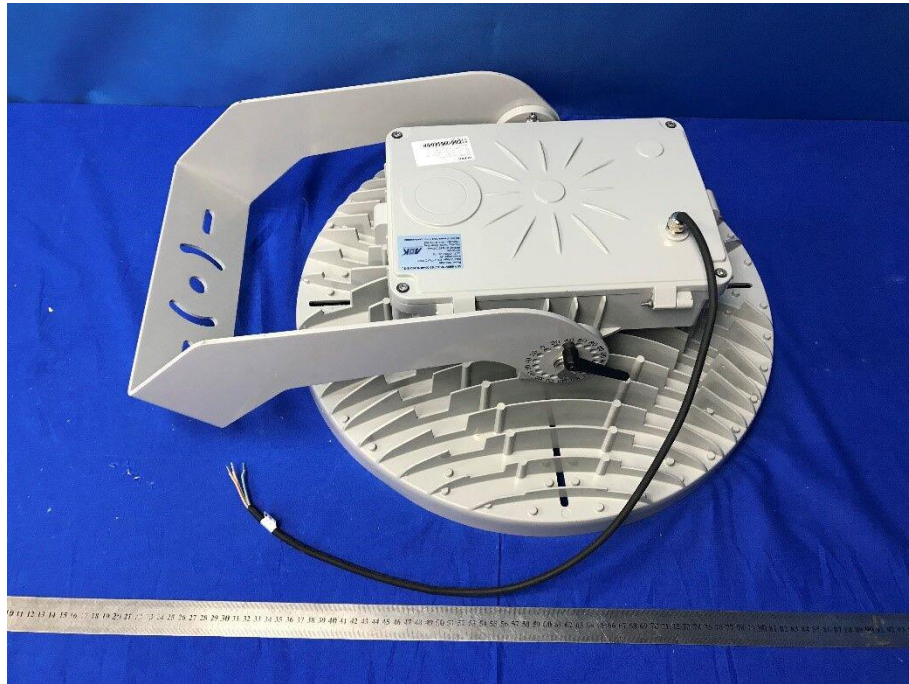


Overall view of AOK-960WiNS-NV-XX-XX-XXYY-BN-P



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





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

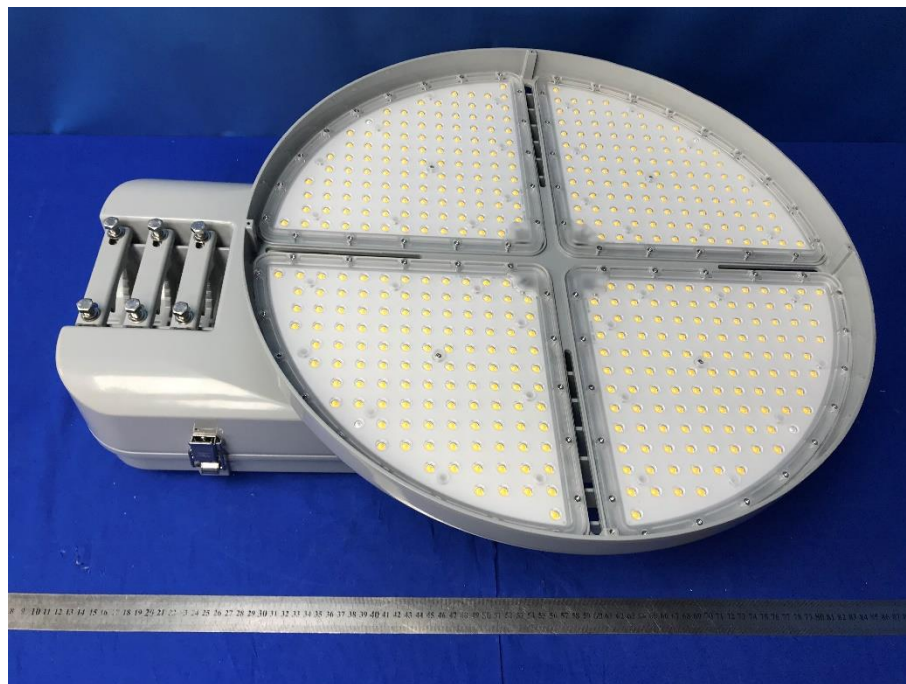


Front panel view of AOK-580WiNS-NV-XX-XX-XXYY-BN-P

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.





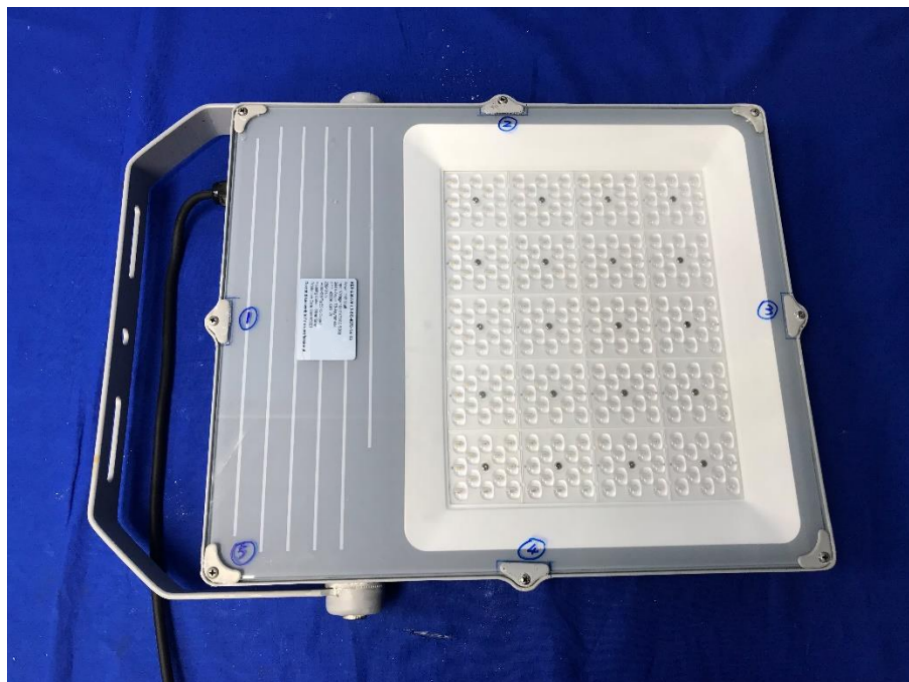
Overall view of AOK-230WiF-NV-XX-XX-XXYY-BN-P



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



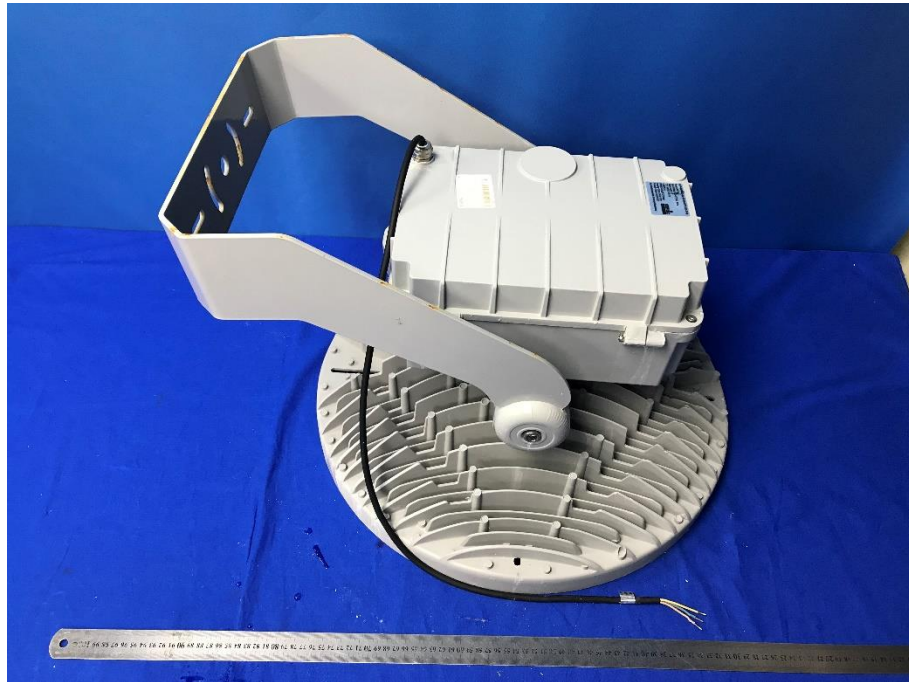
Rear view of AOK-230WiF-NV-XX-XX-XXYY-BN-P after 1000 hours salt spray



Slight blistering of the bottom metal enclosure for AOK-230WiF-NV-XX-XX-XXYY-BN-P after 1000 hours salt spray



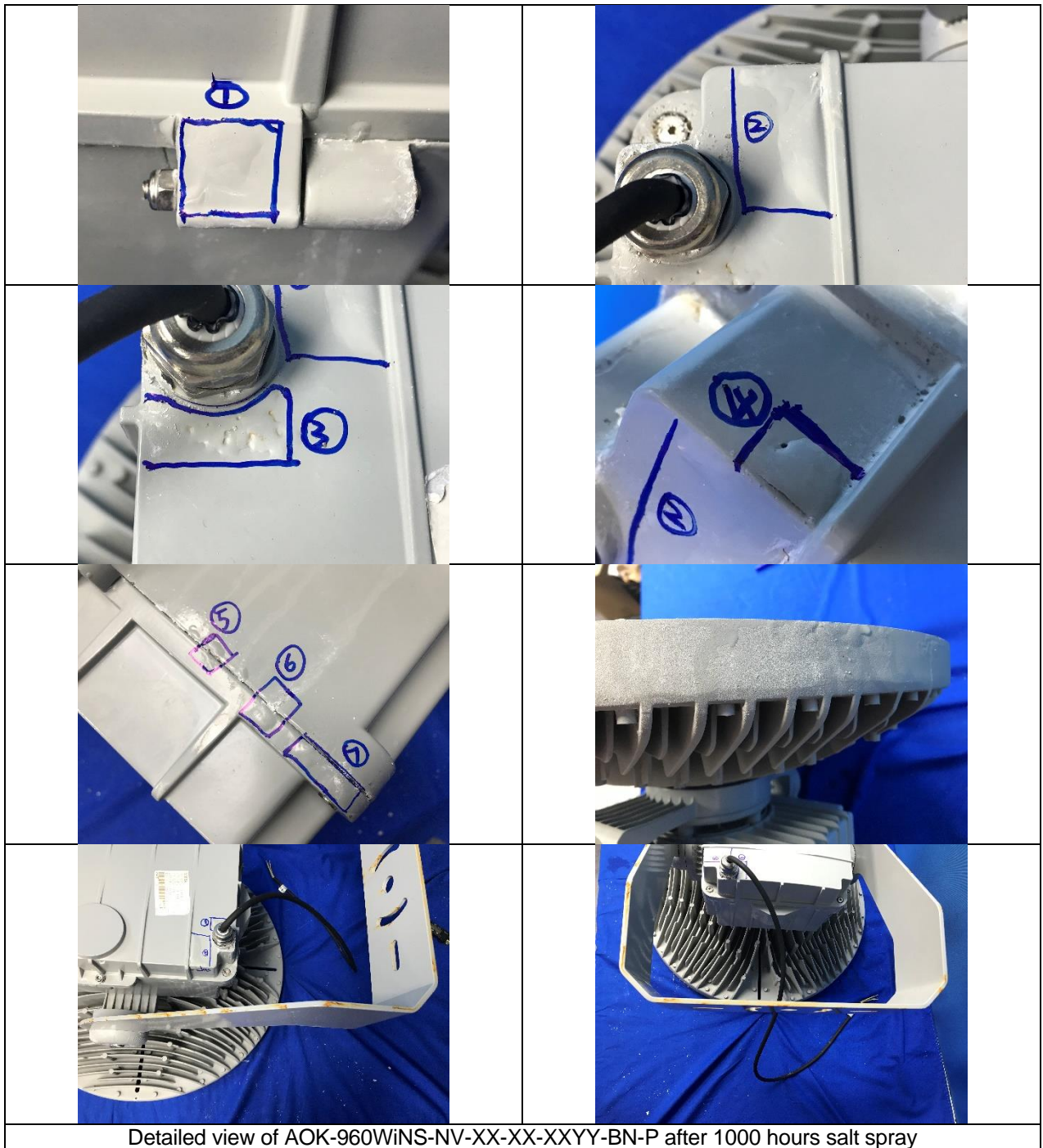




Overall view of AOK-960WiNS-NV-XX-XX-XXYY-BN-P after 1000 hours salt spray



Front panel view of AOK-960WiNS-NV-XX-XX-XXYY-BN-P after 1000 hours salt spray

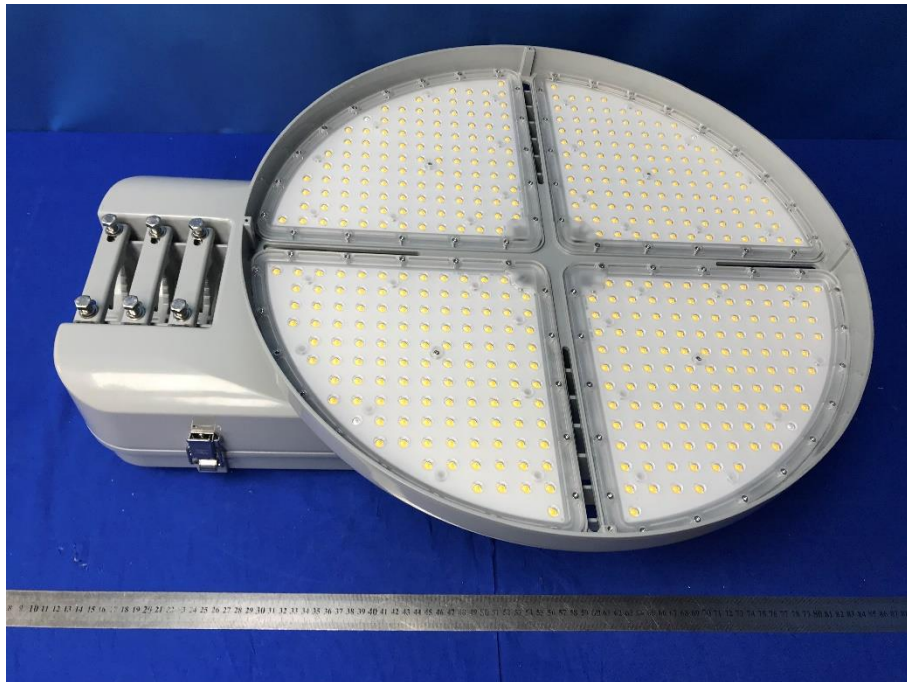


Detailed view of AOK-960WiNS-NV-XX-XX-XXYY-BN-P after 1000 hours salt spray





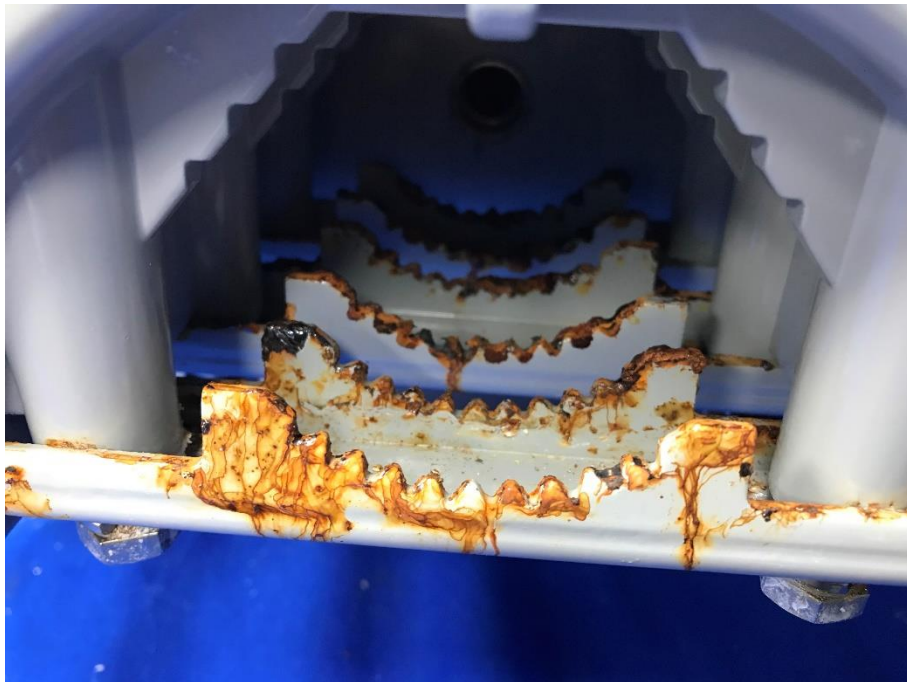
Overall view of AOK-580WiNM-NV-XX-XX-XXYY-BN-P after 1000 hours salt spray



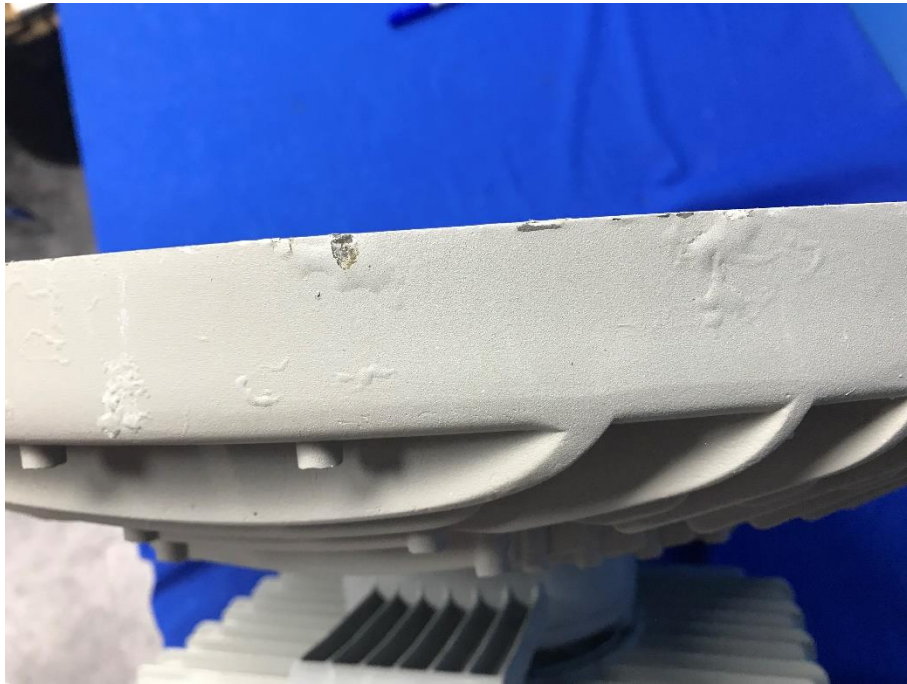
Front panel view AOK-580WiNM-NV-XX-XX-XXYY-BN-P after 1000 hours salt spray



Detailed view of AOK-580WiNM-NV-XX-XX-XXYY-BN-P after 1000 hours salt spray



Detailed view of AOK-580WiNM-NV-XX-XX-XXYY-BN-P after 1000 hours salt spray



Detailed view of AOK-580WiNM-NV-XX-XX-XXYY-BN-P after 1000 hours salt spray



## 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	416*300*55	Length*Width*Height
2-2		AOK-145WiF-NV-XX-XX-XXYY-BN-P	145		
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	282*220*52	Length*Width*Height
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	664*468	Diameter*Height
3-2		AOK-380WiNM-NV-XX-XX-XXYY-BN-P	380		
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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