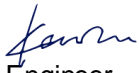



| | | | | |
|---|---|--|-----------------------------|--|
| Prüfbericht-Nr.: <i>Test Report No.:</i> | 50357909 001 | Auftrags-Nr.: <i>Order No.:</i> | 170249928 | Seite 1 von 10 <i>Page 1 of 10</i> |
| Kunden-Referenz-Nr.: <i>Client Reference No.:</i> | N/A | Auftragsdatum: <i>Order date:</i> | 2020-08-21 | |
| Auftraggeber: <i>Client:</i> | AOK Industrial Company Limited Building 1, Shengzuozhi Technology Industrial Park, Shajing Street, Shenzhen City, Guangdong, P.R. China | | | |
| Prüfgegenstand: <i>Test item:</i> | LED Street Light | | | |
| Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i> | see model list | | | |
| Auftrags-Inhalt: <i>Order content:</i> | Type examination | | | |
| Prüfgrundlage: <i>Test specification:</i> | UV Exposure Test according to ASTM G154 - 16 cycle 7, ISO 4628-2:2016, ISO 4628-3:2016 and AATCC evaluation procedure 1-2018 100 hours according to client's requirement | | | |
| Wareneingangsdatum: <i>Date of receipt:</i> | 2021.01.08 | <p>Detaillierte Fotodokumentation siehe Anlage zu diesem Bericht</p> <p>Detailed photo documentation see appendix to this report</p> | | |
| Prüfmuster-Nr.: <i>Test sample No.:</i> | A002982482-001-02~04 | | | |
| Prüfzeitraum: <i>Testing period:</i> | 2021-01-15 to 2021-01-26 | | | |
| Ort der Prüfung: <i>Place of testing:</i> | TUV Rheinland (Guangdong) Ltd. | | | |
| Prüflaboratorium: <i>Testing laboratory:</i> | TUV Rheinland (Guangdong) Ltd. | | | |
| Prüfergebnis*: <i>Test result*:</i> | See following pages | | | |
| geprüft von / tested by: | | kontrolliert von / reviewed by: | | |
| <p>2021-03-18 Ken Ou/ Project Engineer</p> <p></p> | | <p>2021-03-18 Mars Yan / Reviewer</p> <p></p> | | |
| Datum <i>Date</i> | Name / Stellung <i>Name / Position</i> | Unterschrift <i>Signature</i> | Datum <i>Date</i> | Name / Stellung <i>Name / Position</i> |
| | | | | |
| Sonstiges / Other: | | | | |
| Test result and evaluation refer to attached test report CN21LBEA 001. | | | | |
| Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i> | | Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i> | | |
| <p>* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet</p> <p>Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p> | | | | |
| <p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p> | | | | |

Copy of marking plate:

N/A

Test item

Description..... : LED Street Light

Trademark : AOK

Model and/or type reference : see model list

Factory..... : AOK Industrial Company Limited
Building 1, Shengzuozhi Technology Industrial Park, Shajing Street,
Shenzhen City, Guangdong, P.R. China

Rating(s)..... : AC 220-240V, 50/60Hz, Class I and Class II, see model list for details

Test case verdicts

Test case does not apply to the test object..... : N/A

Test item does meet the requirement : P(ass)

Test item does not meet the requirement : F(ail)

Testing

Date of receipt of test item : See cover page

Date(s) of performance of test..... : See cover page

Summary of testing:

1. The test was conducted to test pieces provided by client which have the same painting/coating and material as the relevant parts of all models of the street light according to the client's declaration.
2. Test result and evaluation refer to attached test report CN21LBEA 001.

| Model list | | | | |
|--------------------------------------|-------|---|-------------------|---------|
| model | power | LED driver | size | Weight |
| Class I | | | | |
| AOK-20WiL02-NV-L3-00-XX70-BN-PH-I | 20W | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 470*230*79 mm | 2.93 kg |
| AOK-20WiL02-NV-L5-00-XX70-BN-PH-I | 20W | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 470*230*79 mm | 2.92 kg |
| AOK-20WiL02-NV-L3-00-XX70-BN-PH-I | 20W | SS-30VA-56B | 470*230*79 mm | 3.00 kg |
| AOK-30WiL02-NV-L3-00-XX70-BN-PH-I | 30W | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 470*230*79 mm | 2.93 kg |
| AOK-30WiL02-NV-L5-00-XX70-BN-PH-I | 30W | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 470*230*79 mm | 2.92 kg |
| AOK-30WiL02-NV-L3-00-XX70-BN-PH-I | 30W | SS-30VA-56B | 470*230*79 mm | 3.00 kg |
| AOK-40WiL02-NV-L3-00-XX70-BN-PH-I | 40W | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 470*230*79 mm | 2.93 kg |
| AOK-40WiL02-NV-L5-00-XX70-BN-PH-I | 40W | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 470*230*79 mm | 2.92 kg |
| AOK-40WiL02-NV-L3-00-XX70-BN-PH-I | 40W | SS-50VA-56B | 470*230*79 mm | 3.50 kg |
| AOK-50WiL02-NV-L3-00-XX70-BN-PH-I | 50W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*80 mm | 3.11 kg |
| AOK-50WiL02-NV-L5-00-XX70-BN-PH-I | 50W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*80 mm | 3.08 kg |
| AOK-50WiL02-NV-L3-00-XX70-BN-PH-I | 50W | SS-50VA-56B | 470*230*80 mm | 3.21 kg |
| AOK-60WiL02-NV-L3-00-XX70-BN-PH-I | 60W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*81 mm | 3.11 kg |
| AOK-60WiL02-NV-L5-00-XX70-BN-PH-I | 60W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*81 mm | 3.08 kg |
| AOK-60WiL02-NV-L3-00-XX70-BN-PH-I | 60W | SS-75VA-56B | 470*230*81 mm | 3.24 kg |
| AOK-70WiL02-NV-L3-00-XX70-BN-PH-I | 70W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*82 mm | 3.11 kg |
| AOK-70WiL02-NV-L5-00-XX70-BN-PH-I | 70W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*82 mm | 3.08 kg |
| AOK-70WiL02-NV-L3-00-XX70-BN-PH-I | 70W | SS-75VA-56B | 470*230*82 mm | 3.24 kg |
| AOK-80WiL02-NV-L3-00-XX70-BN-PH-I | 80W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.21 kg |
| AOK-80WiL02-NV-L5-00-XX70-BN-PH-I | 80W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.20 kg |
| AOK-80WiL02-NV-L3-00-XX70-BN-PH-I | 80W | SS-100VA-56B | 646*240*13 7mm | 5.23 kg |
| AOK-90WiL02-NV-L3-00-XX70-BN-PH-I | 90W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.21 kg |
| AOK-90WiL02-NV-L5-00-XX70-BN-PH-I | 90W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.20 kg |
| AOK-90WiL02-NV-L3-00-XX70-BN-PH-I144 | 90W | SS-100VA-56B | 646*240*13 7mm | 5.23 kg |
| AOK-100WiL02-NV-L3-00-XX70-BN-PH-I | 100W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.25 kg |
| AOK-100WiL02-NV-L5-00-XX70-BN-PH-I | 100W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.23 kg |
| AOK-100WiL02-NV-L3-00-XX70-BN-PH-I | 100W | SS-100VA-56B | 646*240*13 7mm | 5.25 kg |

| | | | | |
|------------------------------------|------|--|-------------------|---------|
| AOK-120WiL02-NV-L3-00-XX70-BN-PH-I | 120W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.23 kg |
| AOK-120WiL02-NV-L5-00-XX70-BN-PH-I | 120W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.22 kg |
| AOK-120WiL02-NV-L3-00-XX70-BN-PH-I | 120W | SS-150VA-56B | 646*240*13 7mm | 5.25 kg |
| AOK-130WiL02-NV-L3-00-XX70-BN-PH-I | 130W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 676*290*13 7mm | 6.12 kg |
| AOK-130WiL02-NV-L5-00-XX70-BN-PH-I | 130W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 676*290*13 7mm | 6.15 kg |
| AOK-130WiL02-NV-L3-00-XX70-BN-PH-I | 130W | SS-150VA-56B | 676*290*13 7mm | 6.17 kg |
| AOK-140WiL02-NV-L3-00-XX70-BN-PH-I | 140W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 676*290*13 7mm | 6.13 kg |
| AOK-140WiL02-NV-L5-00-XX70-BN-PH-I | 140W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 676*290*13 7mm | 6.11 kg |
| AOK-140WiL02-NV-L3-00-XX70-BN-PH-I | 140W | SS-150VA-56B | 676*290*13 7mm | 6.18 kg |
| AOK-150WiL02-NV-L3-00-XX70-BN-PH-I | 150W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 676*290*13 7mm | 6.12 kg |
| AOK-150WiL02-NV-L5-00-XX70-BN-PH-I | 150W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 676*290*13 7mm | 6.10 kg |
| AOK-150WiL02-NV-L3-00-XX70-BN-PH-I | 150W | SS-150VA-56B | 676*290*13 7mm | 6.18 kg |
| AOK-160WiL02-NV-L3-00-XX70-BN-PH-I | 160W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 676*290*13 7mm | 7.14kg |
| AOK-160WiL02-NV-L5-00-XX70-BN-PH-I | 160W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 676*290*13 7mm | 7.10 kg |
| AOK-160WiL02-NV-L3-00-XX70-BN-PH-I | 160W | SS-200VA-56B | 676*290*13 7mm | 7.08 kg |
| AOK-170WiL02-NV-L3-00-XX70-BN-PH-I | 170W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 676*290*13 7mm | 7.14 kg |
| AOK-170WiL02-NV-L5-00-XX70-BN-PH-I | 170W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 676*290*13 7mm | 7.10 kg |
| AOK-170WiL02-NV-L3-00-XX70-BN-PH-I | 170W | SS-200VA-56B | 676*290*13 7mm | 7.08 kg |
| AOK-180WiL02-NV-L3-00-XX70-BN-PH-I | 180W | Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt | 676*290*13 7mm | 7.14 kg |
| AOK-180WiL02-NV-L5-00-XX70-BN-PH-I | 180W | Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt | 676*290*13 7mm | 7.10kg |
| AOK-180WiL02-NV-L3-00-XX70-BN-PH-I | 180W | SS-200VA-56B | 676*290*13 7mm | 7.08 kg |
| AOK-200WiL02-NV-L3-00-XX70-BN-PH-I | 200W | Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt | 756*308*13 8mm | 7.14 kg |
| AOK-200WiL02-NV-L5-00-XX70-BN-PH-I | 200W | Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt | 756*308*13 8mm | 7.10 kg |
| AOK-200WiL02-NV-L3-00-XX70-BN-PH-I | 200W | SS-200VA-56B | 756*308*13 8mm | 7.08 kg |
| AOK-220WiL02-NV-L3-00-XX70-BN-PH-I | 220W | Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt | 756*308*13 8mm | 7.35 kg |
| AOK-220WiL02-NV-L5-00-XX70-BN-PH-I | 220W | Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt | 756*308*13 8mm | 7.34 kg |
| AOK-220WiL02-NV-L3-00-XX70-BN-PH-I | 220W | SS-240VA-56B | 756*308*13 8mm | 7.30 kg |
| Class II | | | | |
| AOK-20WiL02-NV-L3-00-XX70-BN-PH-II | 20W | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 470*230*79 mm | 2.93kg |
| AOK-20WiL02-NV-L5-00-XX70-BN-PH-II | 20W | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 470*230*79 mm | 2.92kg |
| AOK-30WiL02-NV-L3-00-XX70- | 30W | Xi FP 40W 0.3-1.0A | 470*230*79 | 2.93kg |

| | | | | |
|-------------------------------------|------|---|-------------------|--------|
| BN-PH-II | | SNLDAE 230V C123 sXt | mm | |
| AOK-30WiL02-NV-L5-00-XX70-BN-PH-II | 30W | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 470*230*79 mm | 2.92kg |
| AOK-40WiL02-NV-L3-00-XX70-BN-PH-II | 40W | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 470*230*79 mm | 2.93kg |
| AOK-40WiL02-NV-L5-00-XX70-BN-PH-II | 40W | Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt | 470*230*79 mm | 2.92kg |
| AOK-50WiL02-NV-L3-00-XX70-BN-PH-II | 50W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*80 mm | 3.11kg |
| AOK-50WiL02-NV-L5-00-XX70-BN-PH-II | 50W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*80 mm | 3.08kg |
| AOK-60WiL02-NV-L3-00-XX70-BN-PH-II | 60W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*81 mm | 3.11kg |
| AOK-60WiL02-NV-L5-00-XX70-BN-PH-II | 60W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*81 mm | 3.08kg |
| AOK-70WiL02-NV-L3-00-XX70-BN-PH-II | 70W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*82 mm | 3.11kg |
| AOK-70WiL02-NV-L5-00-XX70-BN-PH-II | 70W | Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt | 470*230*82 mm | 3.08kg |
| AOK-80WiL02-NV-L3-00-XX70-BN-PH-II | 80W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.21kg |
| AOK-80WiL02-NV-L5-00-XX70-BN-PH-II | 80W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.20kg |
| AOK-90WiL02-NV-L3-00-XX70-BN-PH-II | 90W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.21kg |
| AOK-90WiL02-NV-L5-00-XX70-BN-PH-II | 90W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.20kg |
| AOK-100WiL02-NV-L3-00-XX70-BN-PH-II | 100W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.25kg |
| AOK-100WiL02-NV-L5-00-XX70-BN-PH-II | 100W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.23kg |
| AOK-110WiL02-NV-L3-00-XX70-BN-PH-II | 110W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.23kg |
| AOK-110WiL02-NV-L3-00-XX70-BN-PH-II | 110W | Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt | 646*240*13 7mm | 5.22kg |
| AOK-130WiL02-NV-L3-00-XX70-BN-PH-II | 130W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 646*240*13 7mm | 6.12kg |
| AOK-130WiL02-NV-L5-00-XX70-BN-PH-II | 130W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 646*240*13 7mm | 6.15kg |
| AOK-140WiL02-NV-L3-00-XX70-BN-PH-II | 140W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 646*240*13 7mm | 6.13kg |
| AOK-140WiL02-NV-L5-00-XX70-BN-PH-II | 140W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 646*240*13 7mm | 6.11kg |
| AOK-150WiL02-NV-L3-00-XX70-BN-PH-II | 150W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 646*240*13 7mm | 6.12kg |
| AOK-150WiL02-NV-L5-00-XX70-BN-PH-II | 150W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 646*240*13 7mm | 6.10kg |
| AOK-160WiL02-NV-L3-00-XX70-BN-PH-II | 160W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 646*240*13 7mm | 7.14kg |
| AOK-160WiL02-NV-L5-00-XX70-BN-PH-II | 160W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 646*240*13 7mm | 7.10kg |
| AOK-170WiL02-NV-L3-00-XX70-BN-PH-II | 170W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 646*240*13 7mm | 7.14kg |
| AOK-170WiL02-NV-L5-00-XX70-BN-PH-II | 170W | Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt | 646*240*13 7mm | 7.10kg |
| AOK-180WiL02-NV-L3-00-XX70-BN-PH-II | 180W | Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt | 646*240*13 7mm | 7.14kg |
| AOK-180WiL02-NV-L5-00-XX70-BN-PH-II | 180W | Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt | 646*240*13 7mm | 7.10kg |
| AOK-200WiL02-NV-L3-00-XX70- | 200W | Xi FP 330W 2:0.2-0.75A | 756*308*13 | 7.14kg |

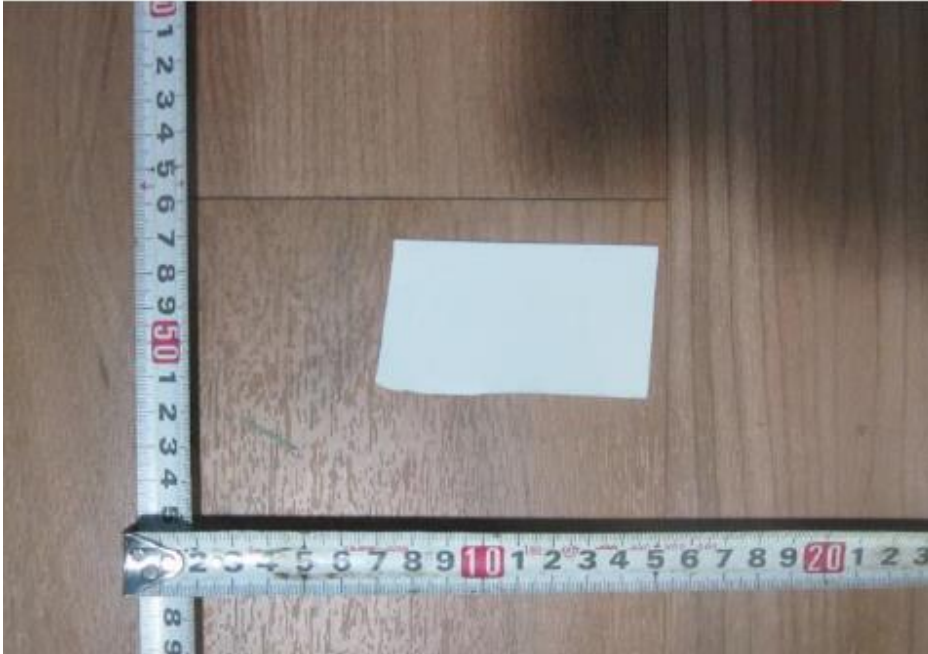
| | | | | |
|-------------------------------------|------|---|-------------------|--------|
| BN-PH-II | | SNDAE 230V C240 sXt | 8mm | |
| AOK-200WiL02-NV-L5-00-XX70-BN-PH-II | 200W | Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt | 756*308*13 8mm | 7.10kg |
| AOK-220WiL02-NV-L3-00-XX70-BN-PH-II | 220W | Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt | 756*308*13 8mm | 7.35kg |
| AOK-220WiL02-NV-L5-00-XX70-BN-PH-II | 220W | Xi FP 330W 2:0.2-0.75A SNDAE 230V C240 sXt | 756*308*13 8mm | 7.34kg |

Remark:

1. XX denotes the CCT, it can be 30-57 for 3000-5700K;
2. BN denotes the type of lens, it can be T20z, T30z, T21z, T31z, T41z (z=1 for 3030 LED; z=2 for 5050 LED); T20=83°150°, T21=107°159°, T30=97°161°T31=86°154°, T41=112°145°.
3. 20W, 30W, 40W, 50W, 60W and 70W models have the similar appearance and construction except for the size.
4. 80W, 90W, 100W, 120W, 130W, 140W, 150W, 160W, 170W, 180W and 220W models have the similar appearance and construction except for the size.
5. Models in point 3 and point 4 have similar construction.
6. Class I and Class II series are only different in the internal electrical construction.
7. Material is the same for all models.

Appendix: Product Photos

Test pieces sample #1



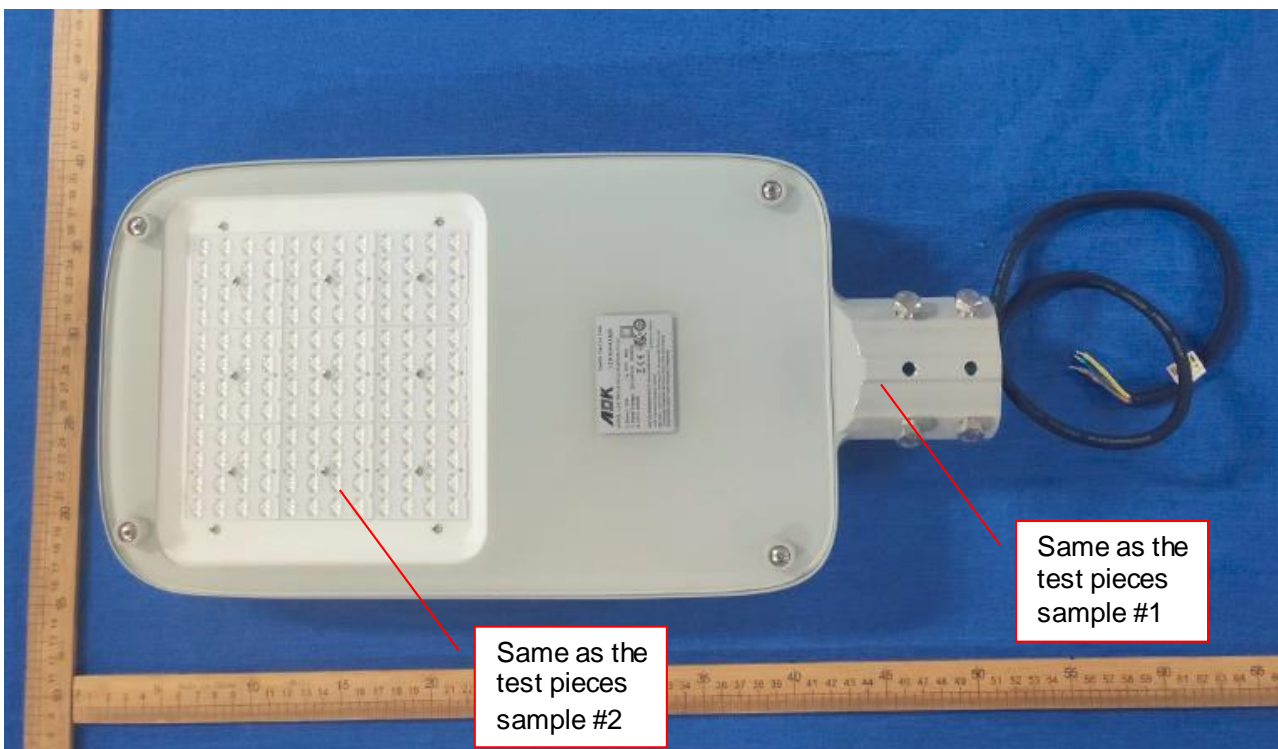
Test pieces sample #2



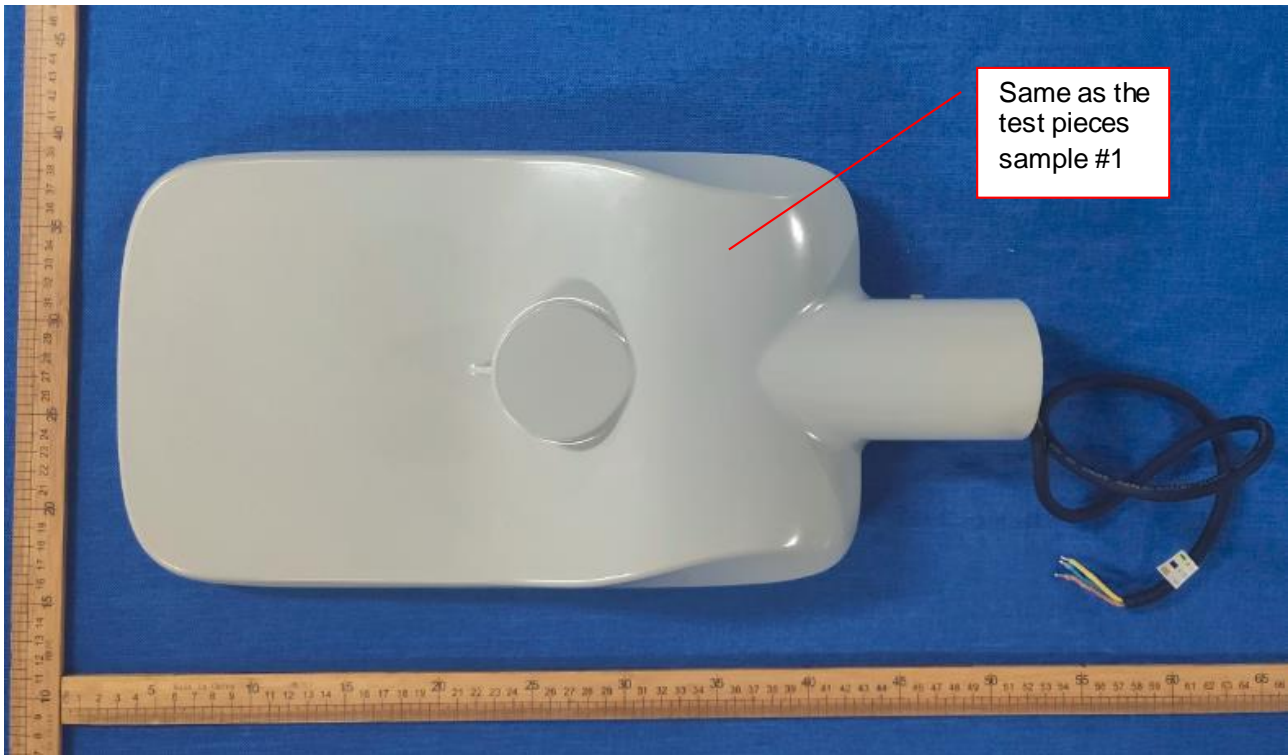
Test pieces sample #3



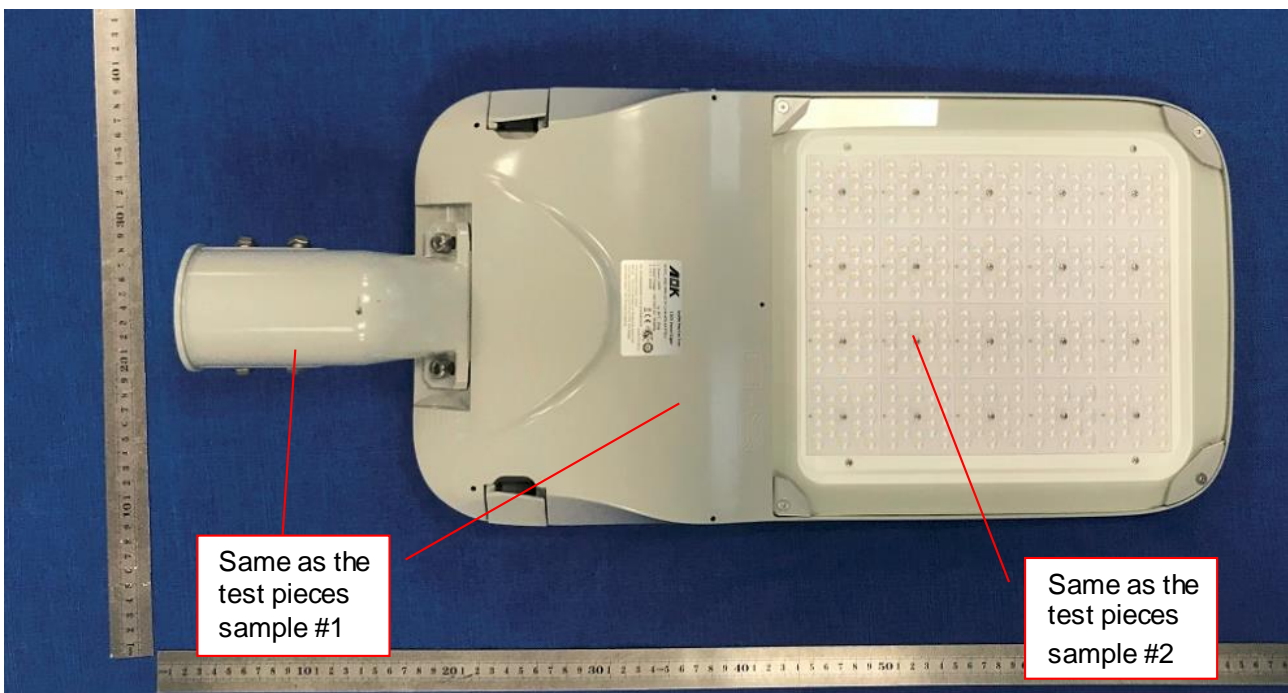
Overview of AOK-70WiL02-NV-L3-00-XX70-BN-PH-I; AOK-70WiL02-NV-L3-00-XX70-BN-PH-II



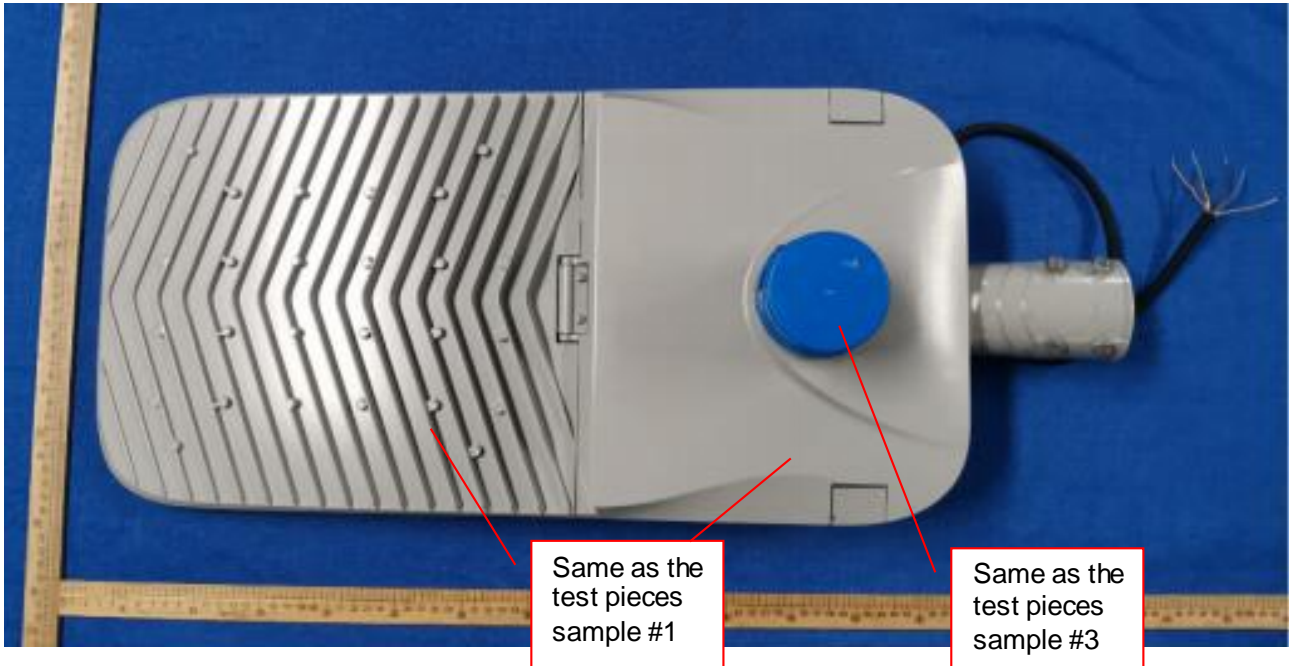
Overview of AOK-70WiL02-NV-L3-00-XX70-BN-PH-I; AOK-70WiL02-NV-L3-00-XX70-BN-PH-II



Overview of AOK-220WiL02-NV-L3-00-XX70-BN-PH-I; AOK-220WiL02-NV-L3-00-XX70-BN-PH-II



Overview of AOK-220WiL02-NV-L3-00-XX70-BN-PH-I; AOK-220WiL02-NV-L3-00-XX70-BN-PH-II



---End of Test Report---