

Prüfbericht-Nr.: Test Report No.:	50357897 001	Auftrags-Nr.: Order No.:	170249928	Seite 1 von 8 Page 1 of 8
Kunden-Referenz-Nr.: Client Reference No.:	N/A	Auftragsdatum: Order date:	2020-09-04	
Auftraggeber: Client:	AOK Industrial Company Limited Building 1, Shengzuozhi Technology Industrial Park, Shajing Street, Shenzhen City, Guangdong Province, P.R China			
Prüfgegenstand: Test item:	LED Street Light			
Bezeichnung / Typ-Nr.: Identification / Type No.:	See in "General product information"			
Auftrags-Inhalt: Order content:	Type examination			
Prüfgrundlage: Test specification:	IK08 test of IEC 62262:2002 and client's special requirements			
Wareneingangsdatum: Date of receipt:	2020-09-04	Detaillierte Fotodokumentation siehe Anlage zu diesem Bericht Detailed photo documentation see appendix to this report		
Prüfmuster-Nr.: Test sample No.:	A000826065-006 to 008			
Prüfzeitraum: Testing period:	2020-09-04 to 2020-10-26			
Ort der Prüfung: Place of testing:	TÜV Rheinland (GuangDong) Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (GuangDong) Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
2021-01-30 Desmond Li, Project Engineer		2021-01-30 Mars Yan, Technical certifier		
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position
Sonstiges / Others:				
- According to client's application, this report and test result is for IK08 test and valid for tested samples' enclosure only. Further tests should be evaluated if the products are required to fulfill the requirements of related product standards. other details refer to main test report 50357894 001.				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
<p>* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft</p> <p>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> <p>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.</p> <p><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>				

Summary of testing:	
Tests performed (name of test and test clause): IK08 test, clause 6 of IEC 62262:2002	Testing location: TÜV Rheinland (Guangdong) Ltd. No.199 Kezhu Road, GZ Science City, Guangzhou 510663, P.R.China
Summary of compliance with National Differences: No national differences were considered.	
Copy of marking plate: N/A.	
Test item particulars.....: LED street light Classification of installation and use.....: Class II Supply Connection.....: Supply cord Model and/or type reference.....: See in "General product information" Manufacturer.....: Same as applicant Factory.....: Same as applicant Rating(s).....: See in "General product information"	
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: 2020-09-04 Date(s) of performance of test.....: 2020-09-04 to 2020-10-26	

General product information:

1. Products covered in this report are Class II LED street light for outdoor use.
2. Ratings: AC 220-240V, 50/60Hz, Class II, IP66, IK08.
3. There are two series of LED street light, power of product from 20W to 70W are series 1, from 80W to 220W are series 2
4. Differences in each series are LED driver used, size and LED quantity.
5. supplemental insulation between dimming circuit and output circuit on all LED drivers

Model	Input	input current	Power	LED driver	size	LED type	LED quantity	Mounting height	ta	Weight
AOK-20WiL02-NV-L3-00-XX70-BN-PH-II	220-240VAC 50/60Hz	0.1A	20W	Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	470*230*79 mm	3030	108 6C18B	Max 15m	50 °C	2.93 kg
AOK-20WiL02-NV-L5-00-XX70-BN-PH-II						5050	36 2C18B	Max 15m	50 °C	2.92 kg
AOK-30WiL02-NV-L3-00-XX70-BN-PH-II		0.15 A	30W	Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	470*230*79 mm	3030	108 6C18B	Max 15m	50 °C	2.93 kg
AOK-30WiL02-NV-L5-00-XX70-BN-PH-II						5050	36 2C18B	Max 15m	50 °C	2.92 kg
AOK-40WiL02-NV-L3-00-XX70-BN-PH-II		0.2A	40W	Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	470*230*79 mm	3030	108 6C18B	Max 15m	50 °C	2.93 kg
AOK-40WiL02-NV-L5-00-XX70-BN-PH-II						5050	36 2C18B	Max 15m	50 °C	2.92 kg
AOK-50WiL02-NV-L3-00-XX70-BN-PH-II		0.25 A	50W	Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	470*230*80 mm	3030	144 16C9B	Max 15m	50 °C	3.11 kg
AOK-50WiL02-NV-L5-00-XX70-BN-PH-II						5050	54 3C18B	Max 15m	50 °C	3.08 kg

AOK-60WiL02-NV-L3-00-XX70-BN-PH-II	0.3A	60W	Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	470*2 30*81 mm	3030	144 16C9B	Max 15m	50 °C	3.11 kg
AOK-60WiL02-NV-L5-00-XX70-BN-PH-II					5050	54 3C18B	Max 15m	50 °C	3.08 kg
AOK-70WiL02-NV-L3-00-XX70-BN-PH-II	0.35 A	70W	Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	470*2 30*82 mm	3030	144 16C9B	Max 15m	50 °C	3.11 kg
AOK-70WiL02-NV-L5-00-XX70-BN-PH-II					5050	54 3C18B	Max 15m	50 °C	3.08 kg
AOK-80WiL02-NV-L3-00-XX70-BN-PH-II	0.4A	80W	Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt	646*2 40*13 7mm	3030	144 24C6B	Max 15m	50 °C	5.21 kg
AOK-80WiL02-NV-L5-00-XX70-BN-PH-II					5050	72 6C12B	Max 15m	50 °C	5.20 kg
AOK-90WiL02-NV-L3-00-XX70-BN-PH-II	0.45 A	90W	Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt	646*2 40*13 7mm	3030	144 24C6B	Max 15m	50 °C	5.21 kg
AOK-90WiL02-NV-L5-00-XX70-BN-PH-II					5050	72 6C12B	Max 15m	50 °C	5.20 kg
AOK-100WiL02-NV-L3-00-XX70-BN-PH-II	0.5A	100 W	Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt	646*2 40*13 7mm	3030	192 24C8B	Max 15m	45 °C	5.25 kg
AOK-100WiL02-NV-L5-00-XX70-BN-PH-II					5050	72 6C12B	Max 15m	45 °C	5.23 kg
AOK-110WiL02-NV-L3-00-XX70-BN-PH-II	0.6A	110 W	Xi FP 110W 0.3-1.0A	646*2 40*13 7mm	3030	192 24C8B	Max 15m	50 °C	5.23 kg

00-XX70-BN-PH-II			SNLDAE 230V C133 sXt								
AOK- 110WiL0 2-NV-L3- 00-XX70- BN-PH-II					5050	72 6C12B	Max 15m	50 °C	5.22 kg		
AOK- 130WiL0 2-NV-L3- 00-XX70- BN-PH-II		0.65 A	130 W	Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt	676*2 90*13 7mm	3030	240 30C8B	Max 15m	50 °C	6.12 kg	
AOK- 130WiL0 2-NV-L5- 00-XX70- BN-PH-II					5050	120 8C15B	Max 15m	50 °C	6.15 kg		
AOK- 140WiL0 2-NV-L3- 00-XX70- BN-PH-II		0.7A	140 W	Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt	676*2 90*13 7mm	3030	240 30C8B	Max 15m	50 °C	6.13 kg	
AOK- 140WiL0 2-NV-L5- 00-XX70- BN-PH-II					5050	120 8C15B	Max 15m	50 °C	6.11 kg		
AOK- 150WiL0 2-NV-L3- 00-XX70- BN-PH-II		0.75 A	150 W	Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt	676*2 90*13 7mm	3030	240 30C8B	Max 15m	50 °C	6.12 kg	
AOK- 150WiL0 2-NV-L5- 00-XX70- BN-PH-II					5050	120 8C15B	Max 15m	50 °C	6.10 kg		
AOK- 160WiL0 2-NV-L3- 00-XX70- BN-PH-II		0.8A	160 W	Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt	676*2 90*13 7mm	3030	320 40C8B	Max 15m	50 °C	7.14 kg	
AOK- 160WiL0 2-NV-L5- 00-XX70- BN-PH-II					5050	120 8C15B	Max 15m	50 °C	7.10 kg		
AOK- 170WiL0 2-NV-L3- 00-XX70- BN-PH-II		0.85 A	170 W	Xi FP 165W 0.3-1.0A SNLDAE	676*2 90*13 7mm	3030	320 40C8B	Max 15m	50 °C	7.14 kg	

AOK-170WiL0 2-NV-L5-00-XX70-BN-PH-II				230V C170 sXt		5050	120 8C15B	Max 15m	50 °C	7.10 kg
AOK-180WiL0 2-NV-L3-00-XX70-BN-PH-II		0.9A	180 W	Xi FP 330W 2:0.2- 0.75A SND AE 230V C240 sXt	676*2 90*13 7mm	3030	40C8B 320	Max 15m	50 °C	7.14 kg
AOK-180WiL0 2-NV-L5-00-XX70-BN-PH-II						5050	8C15B 120	Max 15m	50 °C	7.10 kg
AOK-200WiL0 2-NV-L3-00-XX70-BN-PH-II		1.0A	200 W	Xi FP 330W 2:0.2- 0.75A SND AE 230V C240 sXt	756*3 08*13 8mm	3030	384 48C8B	Max 15m	50 °C	7.14 kg
AOK-200WiL0 2-NV-L5-00-XX70-BN-PH-II						5050	144 12C12 B	Max 15m	50 °C	7.10 kg
AOK-220WiL0 2-NV-L3-00-XX70-BN-PH-II		1.1A	220 W	Xi FP 330W 2:0.2- 0.75A SND AE 230V C240 sXt	756*3 08*13 8mm	3030	384 48C8B	Max 15m	45 °C	7.35 kg
AOK-220WiL0 2-NV-L5-00-XX70-BN-PH-II						5050	144 12C12 B	Max 15m	45 °C	7.34 kg

'XX' can be 30-57, stands for LED CCT, e.g. 30=3000K, 57=5700K;

'BN' can be can be T20z, T30z, T21z, T31z, T41z, stands for view angle of LED lens. e.g. T20=83°150°, T21=107°159°, T30=97°161°T31=86°154°, T41=112°145°.z can be 1 and 2, 1 means for 3030 module, and 2 for 5050 module.

IEC 62262			
Clause	Requirement + Test	Result - Remark	Verdict

6	TEST TO VERIFY THE PROTECTION AGAINST MECHANICAL IMPACTS		P																								
6.1	The test specified in this standard is a type test.	Type test	--																								
6.2	In order to verify the protection against mechanical impacts, blows shall be applied to the enclosure to be tested.		P																								
6.3	During the test, the enclosure shall be mounted on a rigid support, according to the manufacturer's instructions for use.		P																								
6.4	<div>The number of impacts shall be five on each exposed face unless otherwise specified in the relevant product standard. Relation between IK code and impact energy as below:</div> <table><tr><td>IK code</td><td>IK00</td><td>IK01</td><td>IK02</td><td>IK03</td><td>IK04</td><td>IK05</td><td>IK06</td><td>IK07</td><td>IK08</td><td>IK09</td><td>IK10</td></tr><tr><td>Impact energy, J</td><td>-</td><td>0.14</td><td>0.2</td><td>0.35</td><td>0.5</td><td>0.7</td><td>1</td><td>2</td><td>5</td><td>10</td><td>20</td></tr></table>	IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10	Impact energy, J	-	0.14	0.2	0.35	0.5	0.7	1	2	5	10	20	IK08	P
IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10																
Impact energy, J	-	0.14	0.2	0.35	0.5	0.7	1	2	5	10	20																
6.5	<div>Test evaluation:</div> <div>- The enclosure shall not present breaks or cracks along its structure in accordance with relevant product standard and client specified requirement.</div>	After test, no visible breaks and cracks were found.	P																								

IK08	
Tested with AOK-70WiL02-NV-L3-00-XX70-BN-PH-II	Tested with AOK-220WiL02-NV-L3-00-XX70-BN-PH-II
	
	

---End of Test Report---