



Prüfbericht-Nr.: Test Report No.:	50357891 001	Auftrags-Nr.: Order No.:	170249928	Seite 1 von 10 Page 1 of 10
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.:	A000826065-001 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:		
2021-01-15 Desmond Li / Project Engineer 		2021-01-15 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 50357888 001.				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* 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 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				
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>				

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 I 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 I LED street light for outdoor use only.
2. Ratings: AC 220-240V, 50/60Hz, Class I, 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-I	220-240VAC 50/60Hz	0.1A	20W	Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	470*230*79 mm	3030	6C18B 108	Max. 15m	50 °C	2.93 kg
AOK-20WiL02-NV-L5-00-XX70-BN-PH-I						5050	2C18B 36	Max. 15m	50 °C	2.92 kg
AOK-20WiL02-NV-L3-00-XX70-BN-PH-I				SS-30VA-56B		3030	6C18B 108	Max. 15m	50 °C	3.00 kg
AOK-30WiL02-NV-L3-00-XX70-BN-PH-I		0.15A	30W	Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	470*230*79 mm	3030	6C18B 108	Max. 15m	50 °C	2.93 kg
AOK-30WiL02-NV-L5-00-XX70-BN-PH-I						5050	2C18B 36	Max. 15m	50 °C	2.92 kg
AOK-30WiL02-NV-L3-00-XX70-BN-PH-I				SS-30VA-56B		3030	6C18B 108	Max. 15m	50 °C	3.00 kg
AOK-40WiL02-NV-L3-00-XX70-BN-PH-I		0.2A	40W	Xi FP 40W 0.3-1.0A SNLDAE 230V C123 sXt	470*230*79 mm	3030	6C18B 108	Max. 15m	50 °C	2.93 kg
AOK-40WiL02-NV-L5-00-XX70-BN-PH-I						5050	2C18B 36	Max. 15m	50 °C	2.92 kg

AOK-40WiL02-NV-L3-00-XX70-BN-PH-I			SS-50VA-56B		3030	6C18B 108	Max. 15m	50 °C	3.50 kg
AOK-50WiL02-NV-L3-00-XX70-BN-PH-I			Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	470*2 30*80 mm	3030	16C9B 144	Max. 15m	50 °C	3.11 kg
AOK-50WiL02-NV-L5-00-XX70-BN-PH-I	0.25A	50W			5050	3C18B 54	Max. 15m	50 °C	3.08 kg
AOK-50WiL02-NV-L3-00-XX70-BN-PH-I			SS-50VA-56B		3030	6C18B 108	Max. 15m	50 °C	3.21 kg
AOK-60WiL02-NV-L3-00-XX70-BN-PH-I			Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	470*2 30*81 mm	3030	16C9B 144	Max. 15m	50 °C	3.11 kg
AOK-60WiL02-NV-L5-00-XX70-BN-PH-I	0.3A	60W			5050	3C18B 54	Max. 15m	50 °C	3.08 kg
AOK-60WiL02-NV-L3-00-XX70-BN-PH-I			SS-75VA-56B		3030	6C24B 144	Max. 15m	50 °C	3.24 kg
AOK-70WiL02-NV-L3-00-XX70-BN-PH-I			Xi FP 75W 0.3-1.0A SNLDAE 230V C133 sXt	470*2 30*82 mm	3030	16C9B 144	Max. 15m	50 °C	3.11 kg
AOK-70WiL02-NV-L5-00-XX70-BN-PH-I	0.35A	70W			5050	3C18B 54	Max. 15m	50 °C	3.08 kg
AOK-70WiL02-NV-L3-00-XX70-BN-PH-I			SS-75VA-56B		3030	6C24B 144	Max. 15m	50 °C	3.24 kg
AOK-80WiL02-NV-L3-	0.4A	80W	Xi FP 110W 0.3-1.0A		3030	24C6B 144	Max. 15m	50 °C	5.21 kg

00-XX70-BN-PH-I			SNLDAE 230V C133 sXt						
AOK- 80WiL02- NV-L5- 00-XX70- BN-PH-I				646*2 40*13 7mm	5050	6C12B 72	Max. 15m	50 °C	5.20 kg
AOK- 80WiL02- NV-L3- 00-XX70- BN-PH-I			SS- 100VA- 56B		3030	8C18B 144	Max. 15m	50 °C	5.23 kg
AOK- 90WiL02- NV-L3- 00-XX70- BN-PH-I			Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt		3030	24C6B 144	Max. 15m	50 °C	5.21 kg
AOK- 90WiL02- NV-L5- 00-XX70- BN-PH-I	0.45A	90W		646*2 40*13 7mm	5050	6C12B 72	Max. 15m	50 °C	5.20 kg
AOK- 90WiL02- NV-L3- 00-XX70- BN-PH-I			SS- 100VA- 56B		3030	8C18B 144	Max. 15m	50 °C	5.23 kg
AOK- 100WiL0 2-NV-L3- 00-XX70- BN-PH-I			Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt		3030	24C8B 192	Max. 15m	45 °C	5.25 kg
AOK- 100WiL0 2-NV-L5- 00-XX70- BN-PH-I	0.5A	100 W		646*2 40*13 7mm	5050	6C12B 72	Max. 15m	45 °C	5.23 kg
AOK- 100WiL0 2-NV-L3- 00-XX70- BN-PH-I			SS- 100VA- 56B		3030	8C24B 192	Max. 15m	50 °C	5.25 kg
AOK- 120WiL0 2-NV-L3- 00-XX70- BN-PH-I			Xi FP 110W 0.3-1.0A SNLDAE 230V C133 sXt		3030	24C8B 192	Max. 15m	50 °C	5.23 kg
AOK- 120WiL0 2-NV-L5- 00-XX70- BN-PH-I	0.6A	120 W		646*2 40*13 7mm	5050	6C12B 72	Max. 15m	50 °C	5.22 kg

AOK-120WiL0 2-NV-L3-00-XX70-BN-PH-I			SS-150VA-56B		3030	8C24B 192	Max. 15m	50 °C	5.25 kg
AOK-130WiL0 2-NV-L3-00-XX70-BN-PH-I			Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt		3030	30C8B 240	Max. 15m	50 °C	6.12 kg
AOK-130WiL0 2-NV-L5-00-XX70-BN-PH-I	0.65A	130 W		676*2 90*13 7mm	5050	8C15B 120	Max. 15m	50 °C	6.15 kg
AOK-130WiL0 2-NV-L3-00-XX70-BN-PH-I					3030	8C30B 240	Max. 15m	50 °C	6.17 kg
AOK-140WiL0 2-NV-L3-00-XX70-BN-PH-I			Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt		3030	30C8B 240	Max. 15m	50 °C	6.13 kg
AOK-140WiL0 2-NV-L5-00-XX70-BN-PH-I	0.7A	140 W		676*2 90*13 7mm	5050	8C15B 120	Max. 15m	50 °C	6.11 kg
AOK-140WiL0 2-NV-L3-00-XX70-BN-PH-I					3030	8C30B 240	Max. 15m	50 °C	6.18 kg
AOK-150WiL0 2-NV-L3-00-XX70-BN-PH-I			Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt		3030	30C8B 240	Max. 15m	50 °C	6.12 kg
AOK-150WiL0 2-NV-L5-00-XX70-BN-PH-I	0.75A	150 W		676*2 90*13 7mm	5050	8C15B 120	Max. 15m	50 °C	6.10 kg
AOK-150WiL0 2-NV-L3-00-XX70-BN-PH-I					3030	8C30B 240	Max. 15m	50 °C	6.18 kg
AOK-160WiL0 2-NV-L3-	0.8A	160 W	Xi FP 165W 0.3-1.0A		3030	40C8B 320	Max. 15m	50 °C	7.14 kg

00-XX70-BN-PH-I			SNLDAE 230V C170 sXt							
AOK- 160WiL0 2-NV-L5- 00-XX70- BN-PH-I				676*2 90*13 7mm	5050	8C15B 120	Max. 15m	50 °C	7.10 kg	
AOK- 160WiL0 2-NV-L3- 00-XX70- BN-PH-I			SS- 200VA- 56B		3030	8C40B 320	Max. 15m	50 °C	7.08 kg	
AOK- 170WiL0 2-NV-L3- 00-XX70- BN-PH-I			Xi FP 165W 0.3-1.0A SNLDAE 230V C170 sXt		3030	40C8B 320	Max. 15m	50 °C	7.14 kg	
AOK- 170WiL0 2-NV-L5- 00-XX70- BN-PH-I		0.85A		676*2 90*13 7mm	5050	8C15B 120	Max. 15m	50 °C	7.10 kg	
AOK- 170WiL0 2-NV-L3- 00-XX70- BN-PH-I			SS- 200VA- 56B		3030	8C40B 320	Max. 15m	50 °C	7.08 kg	
AOK- 180WiL0 2-NV-L3- 00-XX70- BN-PH-I			Xi FP 330W 2:0.2- 0.75A SND AE 230V C240 sXt		3030	40C8B 320	Max. 15m	50 °C	7.14 kg	
AOK- 180WiL0 2-NV-L5- 00-XX70- BN-PH-I		0.9A		676*2 90*13 7mm	5050	8C15B 120	Max. 15m	50 °C	7.10 kg	
AOK- 180WiL0 2-NV-L3- 00-XX70- BN-PH-I			SS- 200VA- 56B		3030	8C40B 320	Max. 15m	50 °C	7.08 kg	
AOK- 200WiL0 2-NV-L3- 00-XX70- BN-PH-I			Xi FP 330W 2:0.2- 0.75A SND AE 230V C240 sXt		3030	48C8B 384	Max. 15m	50 °C	7.14 kg	
AOK- 200WiL0 2-NV-L5- 00-XX70- BN-PH-I		1.0A		756*3 08*13 8mm	5050	12C12 B 144	Max. 15m	50 °C	7.10 kg	

AOK-200WiL0 2-NV-L3-00-XX70-BN-PH-I				SS-200VA-56B		3030	8C48B 384	Max. 15m	45 °C	7.08 kg
AOK-220WiL0 2-NV-L3-00-XX70-BN-PH-I				Xi FP 330W 2:0.2-0.75A SND AE 230V C240 sXt	756*3 08*13 8mm	3030	48C8B 384	Max. 15m	45 °C	7.35 kg
AOK-220WiL0 2-NV-L5-00-XX70-BN-PH-I		1.1A	220 W			5050	12C12 B 144	Max. 15m	45 °C	7.34 kg
AOK-220WiL0 2-NV-L3-00-XX70-BN-PH-I						3030	8C48B 384	Max. 15m	45 °C	7.30 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-I	Tested with AOK-220WiL02-NV-L3-00-XX70-BN-PH-I
	
	

---End of Test Report---