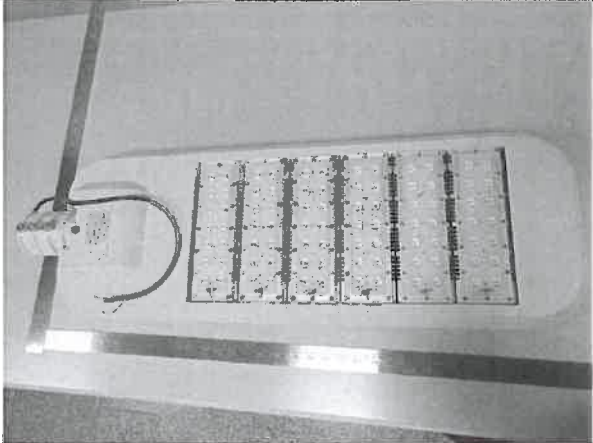





Prüfbericht-Nr.: <i>Test Report No.:</i>	17044009 001	Auftrags-Nr.: <i>Order No.:</i>	164024584	Seite 1 von 6 Page 1 of 6
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2014-11-04	
Auftraggeber: <i>Client:</i>	AOK LED Light Company Limited Building 1 St George's Science and Technology Industrial Park, Outer Ring Road Bao'an, Shenzhen, Guangdong, China			
Prüfgegenstand: <i>Test item:</i>	LED Street Light			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	AOK-30WiL, AOK-40WiL, AOK-60WiL, AOK-80WiL, AOK-90WiL, AOK-120WiL, AOK-160WiL, AOK-150WiL, AOK-200WiL, AOK-180WiL, AOK-240WiL			
Auftrags-Inhalt: <i>Order content:</i>	IP66 test report			
Prüfgrundlage: <i>Test specification:</i>	IP66 test according to Clause 9.2.2, Clause 9.2.7 of EN 60598-1:2008+A11 EN 60598-2-3:2003 + A1:2011			
Wareneingangsdatum: <i>Date of receipt:</i>	2014-11-04			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000129242-001			
Prüfzeitraum: <i>Testing period:</i>	2014-12-15 to 2014-12-29			
Ort der Prüfung: <i>Place of testing:</i>	See page 3.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:	kontrolliert von / reviewed by:			
2015-03-26 Jack Li / Engineer 	2015-03-26 James Chen / Reviewer 			
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
				Unterschrift <i>Signature</i>
Sonstiges / Other:				
1. This report is issued according to client's requirement.				
2. Attachment 1: 1 page of equipment list.				
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>		
* 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>				

Test item	
Description :	LED Street Light
Trademark :	
Model and/or type reference.....:	See below table
Manufacturer.....:	Same as client
Factory.....:	Same as client
Rating(s).....:	See below table
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..... :	2014-11-04
Date(s) of performance of test..... :	2014-12-15 to 2014-12-29
..... :	
General remarks	
This test report shall not be reproduced except in full without the written approval of the testing laboratory.	
The test results presented in this report relate only to the item tested.	
“(see remark #)” refers to a remark appended to the report.	
“(see appended table)” refers to a table appended to the report.	
Throughout this report a comma is used as the decimal separator.	

Remark:

Product : LED street light
Rating: AC 100-240V, 50/60Hz, Class I, IP66.

1. This report is only for IP66 test.
2. Test was performed on model AOK-240WiL.
3. Test condition: $t_a=25^{\circ}\text{C}$, R.H.=70%.
4. All the models have the similar appearance, and the same mechanical construction and electrical construction, only quantities of LED module and LED driver are different.
5. For models have the same power are only different in model name.

Model list:

Model	Power	Driver	LED quantity	Module quantity	Dimension (mm)
AOK-30WiL	40W	HLG-60H-48A	14	1 Module	495x300x107
AOK-40WiL					
AOK-60WiL	80W	HLG-100H-48A	28	2 Module	576x300x107
AOK-80WiL					
AOK-90WiL	120W	HLG-150H-48A	42	3 Module	657x300x107
AOK-120WiL					
AOK-160WiL	160W	HLG-185H-48A	56	4 Module	738x300x107
AOK-150WiL	200W	HLG-240H-48A	70	5 Module	819x300x107
AOK-200WiL					
AOK-180WiL	240W	HLG-240H-48A	84	6 Module	900x300x107
AOK-240WiL					

Test location:

Electrical & Mechanical Products Laboratory (EMPL) of Testing and Technology Centre for Industrial Products of CIQ Shenzhen

No.149, 7th Industry Road, District Nanshan, Shenzhen, PRC.

EN 60598-2-3			
Clause	Requirement + Test	Result - Remark	Verdict
9.2	Tests for ingress of dust, solid objects and moisture		P
	Portable luminaires, wired as in normal use, shall be placed in the most unfavorable position of normal use.		N/A
	Fixing screws of covers, other than hand-operated fixing screws of glass covers, shall be tightened with a torque equal to two-thirds of that specified in Table 4.1.		P
9.2.2	Dust-tight luminaires tested in a dust chamber (For IP 6X)		P
	Dust-tight luminaires (first characteristic IP numeral 6) 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.		P
	no deposit of talcum powder inside enclosures for dust-tight luminaires		P
9.2.7	Powerful water jet-proof luminaires (for IPX6)		P
	Before the tests for the second characteristic numeral, with the exception of IPX8, the luminaire complete with lamp(s) shall be switched on and brought to a stable operating temperature at rated voltage.		P
	The water for the tests shall be at a temperature of 15 °C ± 10 °C.		P
	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.		P
	The water pressure at the nozzle shall be adjusted to achieve a water delivery rate of 100 l/min ± 5 % (approximately 100 kN/m ²).		P
	For luminaires without drain holes, there shall be no water entry. NOTE: Care should be taken not to mistake condensation for water entry.	No water entry	P
	No damage, for example, cracking or breakage of a protective shield or glass envelope, such that safety or protection against the ingress of moisture is impaired.	No damage	P
	Electric strength test		P
	AC 2960V (1min) is applied between current-carrying parts and mounting surface.		P
	There is no flashover or breakdown occurred.	No flashover or breakdown	P

Photo



Picture 1: Top view of AOK-240WIL



Picture 2: Back view of AOK-240WIL



Picture 3: Test state



Picture 4: Test state

=== End of report ===