

  <p style="text-align: center;">TYPE TEST REPORT IEC 60598-1</p> <p style="text-align: center;">Degrees of Protection Provided by Enclosures (IP Code)</p> <p>Report reference No.: LCS1602190164S</p> <p style="text-align: center;">TESTING CNAS L4595</p>	
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Date of issue	February 15, 2016
Contents	5 pages
Testing laboratory	
Name	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue, Bao'an District, Shenzhen, Guangdong, China
Testing location	As above
Client	
Name	AOK LED Light Company Limited.
Address	Building 1, St George's Science and Technology Industrial Park, Shajin Street, Shenzhen, Guangdong Province, China
Manufacturer	
Name	AOK LED Light Company Limited.
Address	Building 1, St George's Science and Technology Industrial Park, Shajin Street, Shenzhen, Guangdong Province, China
Test specification	
Standard	IEC 60598-1:2014 SECTION 9: RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE
Test procedure	Compliance with IEC 60598-1:2014 SECTION 9: RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE
Non-standard test method	N/A
Procedure deviation	N/A
Test item	
Description	NEW LED Parking Lot &Area Light
Model and/or type reference	AOK-75WiT, AOK-110WiT, AOK-150WiT, AOK-180WiT, AOK-225WiT, AOK-265WiT
Rating(s)	100-240V~, 50/60Hz, 265W



Test case verdicts

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

Test item does meet the requirement: P(Pass)

Test item does not meet the requirement ...: F(Fail)

Testing

Date of receipt of test item: February 10, 2016

Date(s) of performance of test.....: February 10, 2016– February 15, 2016

General remarks

This 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.

Clause numbers between brackets refer to clauses in IEC 60598-1.

"(see remark #)" refers to a remark appended to the report.

"(see Annex #)" refers to an annex appended to the report.

Throughout this report a comma is used as the decimal separator.

IEC 60598-1

Clause	Requirement - Test	Result - Remark	Verdict
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Product: NEW LED Parking Lot &Area Light, 100-240V~, 50/60Hz, Class I, IP66, suitable for mounting on normal flammable surface.

1. All models listed below are LED street light with approved LED drivers with SELV output. For detail, see components list.
2. 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;
3. LED modules enclosed by the same way for all modules have the same LED chip.
4. Unless otherwise specified, model AOK-265WiT was chosen as representative model to perform all tests

Model list:

Model	Rating Input	Rating Power	Size(mm)	LED Driver	Driver output	Weight
AOK-75WiT	100-240VAC 50/60Hz	75W	586*278* 76	HLG-80H-48A	DC48V/1. 7A	10.0Kg
AOK-110WiT	100-240VAC 50/60Hz	110W	586*278* 76	HLG-120H-48A	DC48V/2. 5A	10.2Kg
AOK-150WiT	100-240VAC 50/60Hz	150W	586*278* 76	HLG-185H-48A	DC48V/3. 9A	9.75Kg
AOK-180WiT	100-240VAC 50/60Hz	180W	663*350* 78	HLG-185H-48A	DC48V/3. 9A	9.75Kg
AOK-225WiT	100-240VAC 50/60Hz	225W	663*350* 78	HLG-240H-48A	DC48V/5. 0A	10.8Kg
AOK-265WiT	100-240VAC 50/60Hz	265W	663*350* 78	HLG-320H-48A	DC48V/6. 7A	10.8Kg

Main model: AOK265WiT

Electrical rating: 100-240V~ 50/60Hz 265W

Additional model

AOK-75WiT

Similar to AOK-265WiT except rated 75W. different size and LED driver

AOK-110WiT

Similar to AOK265WiT except rated 110W, different size and LED driver.

AOK-150WiT

Similar to AOK265WiT except rated 150W, different size and LED driver

AOK-180WiT

Similar to AOK-265WiT except rated 180W and LED driver

AOK-225WiT

Similar to AOK-265WiT except rated 225W and LED driver

IEC 60598-1			
Clause	Requirement - Test	Result - Remark	Verdict
3.13 (9)	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE		---
3.13 (9.2)	Tests for ingress of dust, solid objects and moisture:		---
	- classification according to IP	IP66	---
	- mounting position during test.....	Mounting as normal use	---
	- fixing screws tightened; torque (Nm).....	Fix Metal enclosure: 0.8Nm,	---
	- tests according to clauses	Clause 9.2.2 and clause 9.2.7	---
	- electric strength		P
	a) no deposit in dust-proof luminaire		N
	b) no talcum in dust-tight luminaire		P
	c) no trace of water on current-carrying parts or SELV parts or where it could become a hazard		P
	d) i) For luminaires without drain holes – no water entry		P
	d) ii) For luminaires with drain holes – no hazardous water entry		N
	e) no water in watertight luminaire		N
	f) no contact with live parts (IP 2X)		N
	f) no entry into enclosure (IP 3X and IP 4X)		N
	f) no contact with live parts (IP3X and IP4X)		N
	g) no trace of water on part of lamp requiring protection from splashing water		N
	h) no damage of protective shield or glass envelope		P

