

APPLICATION FOR LOW VOLTAGE DIRECTIVE

On Behalf of

Foshan kaicheng lighting co., ltd

Flood light

**Model: FL-10W, FL-20W, FL-30W, FL-50W,
FL-100W, FL-150W, FL-200W**

Prepared For : Foshan kaicheng lighting co., ltd

NO.235 Lianjiang First Road, Chancheng District, Foshan,
Guangdong, P.R. China.

**Prepared By : Shenzhen Anbotek Compliance Laboratory
Limited**

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Date of Test: Nov. 01, 2016 to Nov. 21, 2016

Date of Report: Nov. 21, 2016

Report Number: R011611381S

TEST REPORT

EN 60598-2-5

Part 2: Particular requirements:

Section Five – Floodlights

Report

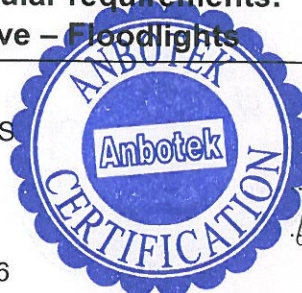
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Testing laboratory

Name: Shenzhen Anbotek Compliance Laboratory Limited

Address: 1/F., Building 1, SEC Industrial Park, No. 0409Qianhai Road, Nanshan District, Shenzhen, Guangdong, China

Testing location: Same as above

Applicant

Name: Foshan kaicheng lighting co., ltd

Address: NO.235 Lianjiang First Road, Chancheng District, Foshan, Guangdong, P.R. China.

Test specification

Standard.....: EN 60598-2-5:2015

EN 60598-1:2015

Procedure deviation: N.A.

Non-standard test method: N.A.

Test item Description

Product name.....: Flood light

Trademark: N.A.

Manufacturer: Foshan kaicheng lighting co., ltd

Address: NO.235 Lianjiang First Road, Chancheng District, Foshan, Guangdong, P.R. China.

Factory: Foshan kaicheng lighting co., ltd

Address: NO.235 Lianjiang First Road, Chancheng District, Foshan, Guangdong, P.R. China.

Model and/or type reference: FL-10W, FL-20W, FL-30W, FL-50W, FL-100W, FL-150W, FL-200W

Rating(s): 100-240VAC, 50/60Hz, class I, IP65
for detail, see model list

Test item particulars

Classification of installation and use: LED floodlight
Supply connection: Power cord
Protection class.....: I
Degree of protection: IP65

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.....: Nov. 01, 2016
Date(s) of performance of test: Nov. 01, 2016 to Nov. 21, 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 EN 60598-1.
"(see remark #)" refers to a remark appended to the report.
"(see Annex #)" refers to an annex appended to the report.
According to the EU directives which have been aligned with EU NLF (new legislative framework), both of manufacturer and importer's name and address shall be affixed on the product or, where that is not possible, on its packaging or in a document accompanying the product before the product is placed on the EU market.

Summary of testing

Tests performed

- EN 60598-1:2015
- EN 60598-2-5:2015
- EN 62031:2008+A1:2013+A2:2015
- EN 62471:2008
- EN 62493:2015

The submitted samples were found to comply with the above specification.

Copy of marking plate(take the model FL-200W for example)

Formed as following:

Flood Light
Model No.: FL-200W
Rating: 100-240V~, 50/60Hz, 200W
  **IP65**
Foshan Kaicheng Lighting Co., Ltd
Importer: XXXX

Location: Sticking on the enclosure.

Model List

Model	Rating
FL-10W	10W
FL-20W	20W
FL-30W	30W
FL-50W	50W
FL-100W	100W
FL-150W	150W
FL-200W	200W

General product information

1. The product:LED floodlight for indoor and outdoor use, the degree of protection is IP65.,Class I
2. The product can operate at universal position.
- 3, All models have same construction and circuit, except for rating, LED driver and appearance size.
- 4, All LED drivers had been approved, have CE Certificate,
- 5, LED modules enclosed by the same way for all modules have the same LED chip.
6. Unless otherwise specified, model FL-200W was chosen as representative model to perform all tests.

Attachment to test report

Attachment No.1: Test report of EN 62031:2008+A1:2013+A2:2015

Attachment No.2: Test report of EN 62471:2008

Attachment No.3: Test report of EN 62493:2015

Attachment No.4: Photo documentation

EN 60598-2-5			
Clause	Requirement + Test	Result - Remark	Verdict
5.4 (0+2)	CLASSIFICATION OF LUMINAIRES		P
5.4 (0.1)	Information for luminaire design considered	Yes ☒ No ☐ Lamp standard:	—
5.4 (0.3)	More sections applicable	Yes ☐ No ☒ Section/s:	—
5.4 (2.2)	Type of protection	Class I	P
5.4 (2.3)	Degree of protection.....	IP65	P
5.4 (2.4)	Luminaire suitable for direct mounting on normally flammable surfaces	Yes ☒ No ☐	—
5.4 (2.5)	Luminaire for normal use	Yes ☒ No ☐	—
	Luminaire for rough service	Yes ☐ No ☒	—

5.5 (3)	MARKING		—
5.5 (3.2)	Mandatory markings		P
	Position of the marking		P
	Format of symbols/text		P
5.5 (3.3)	Additional information		P
	Language of instructions		P
5.5 (3.3.1)	Combination luminaires		N
5.5 (3.3.2)	Nominal frequency in Hz	50/60Hz	P
5.5 (3.3.3)	Operating temperature		N
5.5 (3.3.4)	Symbol or warning notice		N
5.5 (3.3.5)	Wiring diagram		P
5.5 (3.3.6)	Special conditions		N
5.5 (3.3.7)	Metal halide lamp luminaire – warning		N
5.5 (3.3.8)	Limitation for semi-luminaires		N
5.5 (3.3.9)	Power factor and supply current		N
5.5 (3.3.10)	Suitability for use indoors		P
5.5 (3.3.11)	Luminaires with remote control		N
5.5 (3.3.12)	Clip-mounted luminaire – warning		N
5.5 (3.3.13)	Specifications of protective shields		N
5.5 (3.3.14)	Symbol for nature of supply	~	P
5.5 (3.3.15)	Rated current of socket outlet		N
5.5 (3.3.16)	Rough service luminaire		N

EN 60598-2-5			
Clause	Requirement + Test	Result - Remark	Verdict
5.5 (3.3.17)	Mounting instruction for type Y, type Z and some type X attachments	type Y	P
5.5 (3.3.18)	Non-ordinary luminaires with PVC cable		N
5.5 (3.3.19)	Protective conductor current in instruction if applicable		N
5.5 (3.3.20)	Provided with information if not intended to be mounted within arm's reach		P
5.5 (3.3.21)	Non replaceable and non-user replaceable light sources information provided		P
	Cautionary symbol		P
5.5 (3.3.22)	Controllable luminaires, insulation		N
5.5 (3.4)	Test with water	Rubbed lightly for 15 s	P
	Test with hexane	For a further 15 s	P
	Legible after test		P
	Label attached		P
5.5 (-)	Additional necessary marking		P
	Operation position		P
	Weight and dimensions		P
	Maximum protected area		P
	Range of mounting heights		P
	Suitability for indoor use		P

5.6 (4)	CONSTRUCTION		—
5.6.1 (-)	At least IPx3	IP65	P
5.6.2 (-)	Lampholder brackets		N
5.6.3 (-)	Adjusting means		N
5.6.4 (-)	Controlling components		N
5.6.5 (-)	Fixing device		P
	Wind force test		P
5.6.6 (-)	Locking system		P
5.6.7 (-)	Vibration resistance		P
5.6.8 (-)	Glass cover		P
5.6 (4.2)	Components replaceable without difficulty		P
5.6 (4.3)	Wireways smooth and free from sharp edges		P
5.6 (4.4)	Lampholders		N

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Clause	Requirement + Test	Result - Remark	Verdict
5.6 (4.4.1)	Integral lampholder		N
5.6 (4.4.2)	Wiring connection		N
5.6 (4.4.3)	Lampholder for end-to-end mounting		N
5.6 (4.4.4)	Positioning		N
	- pressure test (N)		—
	After test the lampholder comply with relevant standard sheets and show no damage		N
	After test on single-capped lampholder the lampholder have not moved from its position and show no permanent deformation		N
	- bending test (Nm)		—
	After test the lampholder have not moved from its position and show no permanent deformation		N
5.6 (4.4.5)	Peak pulse voltage		N
5.6 (4.4.6)	Centre contact		N
5.6 (4.4.7)	Parts in rough service luminaires resistant to tracking		N
5.6 (4.4.8)	Lamp connectors		N
5.6 (4.4.9)	Caps and bases correctly used		N
5.6 (4.4.10)	Light source for lampholder or connection according IEC 60061 not connected another way		N
5.6 (4.5)	Starter holders		N
	Starter holder in luminaires other than class II		N
	Starter holder class II construction		N
5.6 (4.6)	Terminal blocks		P
	Tails		P
	Unsecured blocks		N
5.6 (4.7)	Terminals and supply connections		P
5.6 (4.7.1)	Contact to metal parts		P
5.6 (4.7.2)	Test 8 mm live conductor		N
	Test 8 mm earth conductor		N
5.6 (4.7.3)	Terminals for supply conductors		P
5.6 (4.7.3.1)	Welded connections:		N
	- stranded or solid conductor		N
	- spot welding		N
	- welding between wires		N

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Clause	Requirement + Test	Result - Remark	Verdict
	- Type Z attachment		N
	- mechanical test according to 15.8.2		N
	- electrical test according to 15.9		N
	- heat test according to 15.9.2.3 and 15.9.2.4		N
5.6 (4.7.4)	Terminals other than supply connection		P
5.6 (4.7.5)	Heat-resistant wiring/sleeves		N
5.6 (4.7.6)	Multi-pole plug		N
	- test at 30 N		N
5.6 (4.8)	Switches:		N
	- adequate rating		N
	- adequate fixing		N
	- polarized supply		N
	- compliance with IEC 61058-1 for electronic switches		N
5.6 (4.9)	Insulating lining and sleeves		---
5.6 (4.9.1)	Retainment		P
	Method of fixing:	Form part of luminaire	P
5.6 (4.9.2)	Insulated linings and sleeves		N
	Resistant to a temperature > 20 °C to the wire temperature or		N
	a) & c) Insulation resistance and electric strength		N
	b) Ageing test. Temperature (°C):		N
5.6 (4.10)	Double or reinforced insulation		N
5.6 (4.10.1)	No contact, mounting surface – accessible metal parts – wiring of basic insulation		N
	Safe installation fixed luminaires		N
	Capacitors and switches		N
	Interference suppression capacitors according to IEC 60384-14		N
5.6 (4.10.2)	Assembly gaps:		N
	- not coincidental		N
	- no straight access with test probe		N
5.6 (4.10.3)	Retainment of insulation:		N
	- fixed		N
	- unable to be replaced; luminaire inoperative		N

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Clause	Requirement + Test	Result - Remark	Verdict
	- sleeves retained in position		N
	- lining in lampholder		N
5.6 (4.11)	Electrical connections and current-carrying parts		---
5.6 (4.11.1)	Contact pressure		P
5.6 (4.11.2)	Screws:		P
	- self-tapping screws		P
	- thread-cutting screws		N
5.6 (4.11.3)	Screw locking:		P
	- spring washer		P
	- rivets		N
5.6 (4.11.4)	Material of current-carrying parts		P
5.6 (4.11.5)	No contact to wood or mounting surface		P
5.6 (4.11.6)	Electro-mechanical contact systems		N
5.6 (4.12)	Screws and connections (mechanical) and glands		P
5.6 (4.12.1)	Screws not made of soft metal		P
	Screws of insulating material		N
	Torque test: torque (Nm); part	Screw for fixing driver 0.50Nm	P
	Torque test: torque (Nm); part	Screw for fixing glass cover 0.4Nm	P
	Torque test: torque (Nm); part	Screw for fixing enclosure 0.5Nm	P
5.6 (4.12.2)	Screws with diameter < 3 mm screwed into metal		N
5.6 (4.12.4)	Locked connections:		N
	- fixed arms; torque (Nm).....		N
	- lampholder; torque (Nm)		N
	- push-button switches; torque 0,8 Nm.....		N
5.6 (4.12.5)	Screwed glands; force (Nm)		N
5.6 (4.13)	Mechanical strength		---
5.6 (4.13.1)	Impact tests:		---
	- fragile parts; energy (Nm).....	Glass cover: 0.5Nm	P
	- other parts; energy (Nm)	Metal enclosure; 0.7Nm	P
	1) live parts		P
	2) linings		P
	3) protection		P

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Clause	Requirement + Test	Result - Remark	Verdict
	4) covers		P
5.6 (4.13.3)	Straight test finger		P
5.6 (4.13.4)	Rough service luminaires		N
	- IP54 or higher		N
	a) fixed		N
	b) hand-held		N
	c) delivered with a stand		N
	d) for temporary installations and suitable for mounting on a stand		N
5.6 (4.13.6)	Tumbling barrel		N
5.6 (4.14)	Suspensions, fixings and means of adjusting		P
5.6 (4.14.1)	Mechanical load:		P
	A) four times the weight		P
	B) torque 2,5 Nm		N
	C) bracket arm; bending moment (Nm)		N
	D) load track-mounted luminaires		N
	E) clip-mounted luminaires, glass-shelve. Thickness (mm)		N
	Metal rod. diameter (mm)		N
	Fixed luminaire or independent control gear without fixing devices		N
5.6 (4.14.2)	Load to flexible cables		N
	Mass (kg)		—
	Stress in conductors (N/mm ²)		N
	Mass (kg) of semi-luminaire		—
	Bending moment (Nm) of semi-luminaire		N
5.6 (4.14.3)	Adjusting devices:		P
	- flexing test; number of cycles	45 cycles	P
	- strands broken		P
	- electric strength test afterwards		P
5.6 (4.14.4)	Telescopic tubes: cords not fixed to tube; no strain on conductors		N
5.6 (4.14.5)	Guide pulleys		N
5.6 (4.14.6)	Strain on socket-outlets		N
5.6 (4.15)	Flammable materials:		P

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Clause	Requirement + Test	Result - Remark	Verdict
	- glow-wire test 650°C	See Test Table 4.15 (13.3.2)	N
	- spacing ≥ 30 mm		N
	- screen withstanding test of 13.3.1		N
	- screen dimensions		N
	- no fiercely burning material		P
	- thermal protection		N
	- electronic circuits exempted		P
5.6 (4.15.2)	Luminaires made of thermoplastic material with lamp control gear		N
	a) construction		N
	b) temperature sensing control		N
	c) surface temperature		N
5.6 (4.16)	Luminaires for mounting on normally flammable surfaces		P
	No lamp control gear	(compliance with Section 12)	N
5.6 (4.16.1)	Lamp control gear spacing:		N
	- spacing 35 mm		N
	- spacing 10 mm		N
5.6 (4.16.2)	Thermal protection:		N
	- in lamp control gear		N
	- external		N
	- fixed position		N
	- temperature marked lamp control gear		N
5.6 (4.16.3)	Design to satisfy the test of 12.6	(see clause 12.6)	N
5.6 (4.17)	Drain holes		N
	Clearance at least 5 mm		N
5.6 (4.18)	Resistance to corrosion:		P
5.6 (4.18.1)	- rust-resistance		P
5.6 (4.18.2)	- season cracking in copper		P
5.6 (4.18.3)	- corrosion of aluminium		P
5.6 (4.19)	Igniters compatible with ballast		N
5.6 (4.20)	Rough service vibration		N
5.6 (4.21)	Protective shield:		N
5.6 (4.21.1)	Shield fitted if tungsten halogen lamps or metal halide lamps		N

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Clause	Requirement + Test	Result - Remark	Verdict
	Shield of glass if tungsten halogen lamps		N
5.6 (4.21.2)	Particles from a shattering lamp not impair safety		N
5.6 (4.21.3)	No direct path		N
5.6 (4.21.4)	Impact test on shield		N
	Glow-wire test on lamp compartment.....:	See Test Table 4.15 (13.3.2)	N
5.6 (4.22)	Attachments to lamps		N
5.6 (4.23)	Semi-luminaires comply Class II		N
5.6 (4.24.1)	No excessive UV radiation if tungsten halogen lamps and metal halide lamps (Annex P)		N
5.6 (4.24.2)	Retinal blue light hazard		N
	Luminaires with E_{thr}		N
	a) Fixed luminaires		N
	- distance x m, borderline between RG1 and RG2 .. :		N
	- marking and instruction according 3.2.23		N
	b) Portable and handheld luminaires		N
	- marking according 3.2.23 if RG1 exceeded at 200 mm according to IEC/TR 62778		N
	Portable luminaires for children IEC 60598-2-10 and Mains socket outlet nightlights IEC 60598-2-12 not exceed RG1 at 200 mm according to IEC/62778		N
5.6 (4.25)	Mechanical hazard		P
	No sharp point or edges		P
5.6 (4.26)	Short-circuit protection:		N
5.6 (4.26.1)	Adequate means of uninsulated accessible SELV parts		N
5.6 (4.26.2)	Short-circuit test with test chain according 4.26.3		N
	Test chain not melt through		N
	Test sample not exceed values of Table 12.1 and 12.2		N
5.6 (4.27)	Terminal blocks with integrated screwless earthing contacts		N
	Test according Annex V		N
	Pull test of terminal fixing (20 N)		N
	After test, resistance < 0,05 Ω		N
	Pull test of mechanical connection (50 N)		N
	After test, resistance < 0,05 Ω		N

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Clause	Requirement + Test	Result - Remark	Verdict
	Voltage drop test, resistance < 0,05 Ω		N
5.6 (4.28)	Fixing of thermal sensing control		N
	Not plug-in or easily replaceable type		N
	Reliably kept in position		N
	No adhesive fixing if UV radiations from a lamp can degrade the fixing		N
	Not outside the luminaire enclosure		N
	Test of adhesive fixing:		N
	Max. temperature on adhesive material ($^{\circ}\text{C}$) :		N
	100 cycles between t min and t max		N
	Temperature sensing control still in position		N
5.6 (4.29)	Luminaires with non-replaceable light source		N
	Not possible to replace light source		N
	Live part not accessible after parts have been opened by hand or tools		N
5.6 (4.30)	Luminaires with non-user replaceable light source		P
	If protective cover provide protection against electric shock and marked with "caution, electric shock risk" symbol:		P
	Minimum two fixing means		P
5.6 (4.31)	Insulation between circuits		P
	Circuits insulated from LV supply fulfil requirements according 4.31.1 – 4.31.3		P
	Controllable luminaires requiring same level of insulation for all components, the insulation between control terminals and LV supply fulfil requirements according 4.31.1 – 4.31.3		N
5.6 (4.31.1)	SELV circuits		P
	Used SELV source		P
	Voltage $\leq$ ELV		P
	Insulating of SELV circuits from LV supply		P
	Insulating of SELV circuits from other non SELV circuits		N
	Insulating of SELV circuits from FELV		N
	Insulating of SELV circuits from other SELV circuits		N

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Clause	Requirement + Test	Result - Remark	Verdict
	SELV circuits insulated from accessible parts according Table X.1		P
	Plugs not able to enter socket-outlets of other voltage systems		N
	Socket outlets does not admit plugs of other voltage systems		N
	Plugs and socket-outlets does not have protective conductor contact		N
5.6 (4.31.2)	FELV circuits		N
	Used FELV source		N
	Voltage $\leq$ ELV		N
	Insulating of FELV circuits from LV supply		N
	FELV circuits insulated from accessible parts according Table X.1		N
	Plugs not able to enter socket-outlets of other voltage systems		N
	Socket outlets does not admit plugs of other voltage systems		N
	Socket-outlets does not have protective conductor contact		N
5.6 (4.31.3)	Other circuits		N
	Other circuits insulated from accessible parts according Table X.1		N
	Class II construction with equipotential bonding for protection against indirect contacts with live parts:		N
	- conductive parts are connected together		N
	- test according 7.2.3 of above		N
	- conductive part not cause an electric shock in case of an insulation fault		N
	- equipotential bonding in master/slave applications		N
	- master luminaire provided with terminal for accessible conductive parts of slave luminaires		N
	- slave luminaire constructed as class I		N
5.6 (4.32)	Overvoltage protective devices		N
	Comply with IEC 61643-11		N
	External to control gear and connected to earth:		N
	- only in fixed luminaires		N
	- only connected to protective earth		N

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Clause	Requirement + Test	Result - Remark	Verdict
5.6.1 (-)	At least IPX3 if for outdoor use		P
5.6.2 (-)	Lampholder brackets and lamp supports		N
5.6.3 (-)	Adjusting means		N
5.6.4 (-)	Controlling components		N
5.6.5 (-)	Fixing device		P
	Wind force test		P
5.6.6 (-)	Locking of angular adjustment		P
5.6.7 (-)	Vibration resistance		P
5.6.8 (-)	Requirement on glass cover if mounting height > 5 m		P
	Method of protection		—

5.7 (11)	CREEPAGE DISTANCES AND CLEARANCES		—
5.7 (11.2)	Creepage distances and clearances	See Table 5.7 (11.2)	---
	Impulse withstand category (Normal category II) (Category III Annex U, Table U.1)	Category II ☒ Category III ☐	—

5.8 (7)	PROVISION FOR EARTHING		—
5.8 (7.2.1 + 7.2.3)	Accessible metal parts		P
	Metal parts in contact with supporting surface		P
	Resistance < 0,5 Ω	0,028 Ω	P
	Self-tapping screws used		P
	Thread-forming screws		N
	Thread-forming screw used in a grove		N
	Earth makes contact first		P
	Terminal blocks with integrated screwlessearthing contacts tested according Annex V		N
	Built-in control gear		N
5.8 (7.2.2 + 7.2.3)	Earth continuity in joints, etc.		N
4.8 (7.2.4)	Locking of clamping means		P
	Compliance with 4.7.3		P
	Terminal blocks with integrated screwlessearthing contacts tested according Annex V		N
5.8 (7.2.5)	Earth terminal integral part of connector socket		P

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Clause	Requirement + Test	Result - Remark	Verdict
5.8 (7.2.6)	Earth terminal adjacent to mains terminals		P
5.8 (7.2.7)	Electrolytic corrosion of the earth terminal		P
5.8 (7.2.8)	Material of earth terminal		P
	Contact surface bare metal		P
5.8 (7.2.10)	Class II luminaire for looping-in		N
	Double or reinforced insulation to functional earth		N
5.8 (7.2.11)	Earthing core coloured green-yellow		P
	Length of earth conductor		P
5.9 (14)	SCREW TERMINALS		—
	Separately approved; component list	(see Annex 1)	N
	Part of the luminaire.....	(see Annex 3)	N
5.9 (15)	SCREWLESS TERMINALS AND ELECTRICAL CONNECTIONS		—
	Separately approved; component list	(see Annex 1)	N
	Part of the luminaire.....	Solder connection	P
5.10 (5)	EXTERNAL AND INTERNAL WIRING		—
5.10 (5.2)	Supply connection and external wiring		P
5.10 (5.2.1)	Means of connection.....	Supply cords	P
	Outdoor luminaire has not PVC insulated external wiring if not class III or SELV ≤ 25 V a.c./60 V d.c. or protected from outdoor environment		P
5.10 (5.2.2)	Type of cable	H05VV-F	P
	Nominal cross-sectional area (mm ²).....	3x1.5mm ²	P
	Cables equal to IEC 60227 or IEC 60245		P
5.10 (5.2.3)	Type of attachment, X, Y or Z		P
5.10 (5.2.5)	Type Z not connected to screws		N
5.10 (5.2.6)	Cable entries:		P
	- suitable for introduction		P
	- adequate degree of protection		P
5.10 (5.2.7)	Cable entries through rigid material have rounded edges		P
5.10 (5.2.8)	Insulating bushings:		N

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Clause	Requirement + Test	Result - Remark	Verdict
	- suitably fixed		N
	- material in bushings		N
	- material not likely to deteriorate		N
	- tubes or guards made of insulating material		N
5.10 (5.2.9)	Locking of screwed bushings		N
5.10 (5.2.10)	Cord anchorage:		P
	- covering protected from abrasion		P
	- clear how to be effective		P
	- no mechanical or thermal stress		P
	- no tying of cables into knots etc.		P
	- insulating material or lining		N
5.10 (5.2.10.1)	Cord anchorage for type X attachment:		N
	a) at least one part fixed		N
	b) types of cable		N
	c) no damaging of the cable		N
	d) whole cable can be mounted		N
	e) no touching of clamping screws		N
	f) metal screw not directly on cable		N
	g) replacement without special tool		N
	Glands not used as anchorage		N
	Labyrinth type anchorages		N
5.10 (5.2.10.2)	Adequate cord anchorage for type Y and type Z attachment		P
5.10 (5.2.10.3)	Tests:		P
	- impossible to push cable; unsafe		P
	- pull test: 25 times; pull (N): 60N		P
	- torque test: torque (Nm): 0,25Nm		P
	- displacement ≤ 2 mm	no movement	P
	- no movement of conductors		P
	- no damage of cable or cord		P
5.10 (5.2.11)	External wiring passing into luminaire		P

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Clause	Requirement + Test	Result - Remark	Verdict
5.10 (5.2.12)	Looping-in terminals		N
5.10 (5.2.13)	Wire ends not tinned		P
	Wire ends tinned: no cold flow		N
5.10 (5.2.14)	Mains plug same protection		N
	Class III luminaire plug		N
	No unsafe compatibility		N
5.10 (5.2.16)	Appliance inlets (IEC 60320)		N
	Installation couplers (IEC 61535)		N
	Other appliance inlet or connector		N
	Relevant IEC standard		N
5.10 (5.2.17)	No standardized interconnecting cables properly assembled		N
1.10 (5.2.18)	Used plug in accordance with		N
	- IEC 60083		N
	- other standard		N
5.10 (5.3)	Internal wiring		P
5.10 (5.3.1)	Internal wiring of suitable size and type		P
	Through wiring		N
	- not delivered/ mounting instruction		N
	- factory assembled		N
	- socket outlet loaded (A).....:		N
	- temperatures:	(see Annex 2)	N
	Green-yellow for earth only		P
5.10 (5.3.1.1)	Internal wiring connected directly to fixed wiring		N
	Cross-sectional area (mm ²):		N
	Insulation thickness		N
	Extra insulation added where necessary		N
5.10 (5.3.1.2)	Internal wiring connected to fixed wiring via internal current-limiting device		P

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Clause	Requirement + Test	Result - Remark	Verdict
	Adequate cross-sectional area and insulation thickness		P
5.10 (5.3.1.3)	Double or reinforced insulation for class II		N
5.10 (5.3.1.4)	Conductors without insulation		N
5.10 (5.3.1.5)	SELV current-carrying parts		P
5.10 (5.3.1.6)	Insulation thickness other than PVC or rubber		N
5.10 (5.3.2)	Sharp edges etc.		P
	No moving parts of switches etc.		N
	Joints, raising/lowering devices		N
	Telescopic tubes etc.		N
	No twisting over 360°		P
5.10 (5.3.3)	Insulating bushings:		N
	- suitable fixed		N
	- material in bushings		N
	- material not likely to deteriorate		N
	- cables with protective sheath		N
5.10 (5.3.4)	Joints and junctions effectively insulated		N
5.10 (5.3.5)	Strain on internal wiring		P
5.10 (5.3.6)	Wire carriers		N
5.10 (5.3.7)	Wire ends not tinned		P
	Wire ends tinned: no cold flow		N

5.11 (8)	PROTECTION AGAINST ELECTRIC SHOCK		—
5.11 (8.2.1)	Live parts not accessible		P
	Basic insulated parts not used on the outer surface without appropriate protection		P
	Basic insulated parts not accessible with standard test finger on portable, settable and adjustable luminaires		P
	Basic insulated parts not accessible with Ø 50 mm probe from outside, other types of luminaires		N

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Clause	Requirement + Test	Result - Remark	Verdict
	Lampholder and starterholders in portable and adjustable luminaires comply with double or reinforced insulation requirements		N
	Basic insulation only accessible under lamp or starter replacement		N
	Protection in any position		P
	Double-ended tungsten filament lamp		N
	Insulation lacquer not reliable		N
	Double-ended high pressure discharge lamp		N
	Relevant warning according to 3.2.18 fitted to the luminaire		N
5.11 (8.2.2)	Portable luminaire adjusted in most unfavourable position		N
5.11 (8.2.3.a)	Class II luminaire:		N
	- basic insulated metal parts not accessible during starter or lamp replacement		N
	- basic insulation not accessible other than during starter or lamp replacement		N
	- glass protective shields not used as supplementary insulation		N
5.11 (8.2.3.b)	BC lampholder of metal in class I luminaires shall be earthed		N
5.11 (8.2.3.c)	SELV circuits with exposed current carrying parts:		N
	Ordinary luminaire:		N
	- voltage under load (V)		
	- touch current		N
	- no-load voltage		N
	Other than ordinary luminaire:		N
	- nominal voltage		N
	Class III luminaire only for connection to SELV		N
	Class III luminaire not provided with means for protective earthing		N
5.11 (8.2.4)	Portable luminaire have protection independent of supporting surface		N

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Clause	Requirement + Test	Result - Remark	Verdict
5.11 (8.2.5)	Compliance with the standard test finger or relevant probe		P
5.11 (8.2.6)	Covers reliably secured		P
5.11 (8.2.7)	Discharging of capacitors $\geq 0,5 \mu\text{F}$		N
	Portable plug connected luminaire with capacitor		N
	Other plug connected luminaire with capacitor		N
	Discharge device on or within capacitor		N
	Discharge device mounted separately		N

5.12 (12)	ENDURANCE TEST AND THERMAL TEST		—
5.12 (12.3)	Endurance test:		P
	- mounting-position	As in normal use	—
	- test temperature (°C)	35	—
	- total duration (h)	240h	—
	- supply voltage: Un factor; calculated voltage (V)	1,1x240V=264V	—
	- lamp used		—
5.12 (12.3.2)	After endurance test:		P
	- no part unserviceable		P
	- luminaire not unsafe		P
	- no damage to track system		N
	- marking legible		P
	- no cracks, deformation etc.		N
5.12 (12.4)	Thermal test (normal operation)	(see Annex 2)	P
5.12.1 (-)	Temperature reduction		N
5.12 (12.5)	Thermal test (abnormal operation)	(see Annex 2)	N
5.12 (12.6)	Thermal test (failed lamp control gear condition):		N
5.12 (12.6.1)	Through wiring or looping-in wiring loaded by a current of (A)		—
	- case of abnormal conditions		—
	- electronic lamp control gear		N
	- measured winding temperature (°C): at 1,1 Un		—
	- measured mounting surface temperature (°C) at 1,1 Un		N

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Clause	Requirement + Test	Result - Remark	Verdict
	- calculated mounting surface temperature (°C)		N
	- track-mounted luminaires		N
5.12 (12.6.2)	Temperature sensing control		N
	- case of abnormal conditions.....		—
	- thermal link		N
	- manual reset cut-out		N
	- auto reset cut-out		N
	- measured mounting surface temperature (°C).....		N
	- track-mounted luminaires		N
5.12 (12.7)	Thermal test (failed lamp control gear in plastic luminaires):		N
5.12 (12.7.1)	Luminaire without temperature sensing control		N
5.12 (12.7.1.1)	Luminaire with fluorescent lamp ≤ 70W		N
	Test method 12.7.1.1 or Annex W		—
	Test according to 12.7.1.1:		N
	- case of abnormal conditions.....		—
	- Ballast failure at supply voltage (V)		—
	- Components retained in place after the test		N
	- Test with standard test finger after the test		N
	Test according to Annex W:		N
	- case of abnormal conditions.....		—
	- measured winding temperature (°C): at 1,1 Un.....		—
	- measured temperature of fixing point/exposed part (°C): at 1,1 Un.....		—
	- calculated temperature of fixing point/exposed part (°C)		—
	Ball-pressure test.....	See Table 4.15 (13.2.1)	N
5.12 (12.7.1.2)	Luminaire with discharge lamp, fluorescent lamp > 70W, transformer > 10 VA		N
	- case of abnormal conditions.....		—
	- measured winding temperature (°C): at 1,1 Un.....		—
	- measured temperature of fixing point/exposed part (°C): at 1,1 Un.....		—

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Clause	Requirement + Test	Result - Remark	Verdict
	- calculated temperature of fixing point/exposed part (°C)		—
	Ball-pressure test.....	See Table 4.15 (13.2.1)	N
5.12 (12.7.1.3)	Luminaire with short circuit proof transformers ≤ 10 VA		N
	- case of abnormal conditions.....		—
	- Components retained in place after the test		N
	- Test with standard test finger after the test		N
5.12 (12.7.2)	Luminaire with temperature sensing control		N
	- thermal link	Yes ☐ No ☐	—
	- manual reset cut-out.....	Yes ☐ No ☐	—
	- auto reset cut-out.....	Yes ☐ No ☐	—
	- case of abnormal conditions.....		—
	- highest measured temperature of fixing point/ exposed part (°C):.....		—
	Ball-pressure test:.....	See Table 4.15 (13.2.1)	N
5.12.1 (-)	Reduction 10 °C of measured temperatures if for outdoor use		—
5.12.2 (-)	Glass covers used within the thermal limits		P

5.13 (9)	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE		—
5.13 (9.2)	Tests for ingress of dust, solid objects and moisture:		—
	- classification according to IP	IP65	—
	- mounting position during test	As in normal use	—
	- fixing screws tightened; torque (Nm).....	--	—
	- tests according to clauses	Clause 9.2.2&Clause 9.2.6	—
	- electric strength test afterwards		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

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Clause	Requirement + Test	Result - Remark	Verdict
	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
5.13 (9.3)	Humidity test 48 h	25°C; 93% R.H.	P

5.14 (10)	INSULATION RESISTANCE AND ELECTRIC STRENGTH		—
5.14 (10.2.1)	Insulation resistance test		P
	Cable or cord covered by metal foil or replaced by a metal rod of mm Ø		—
	Insulation resistance (MΩ):		—
	SELV		P
	- between current-carrying parts of different polarity :	100MΩ	P
	- between current-carrying parts and mounting surface	100MΩ	P
	- between current-carrying parts and metal parts of the luminaire	100MΩ	P
	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts		N
	- Insulation bushings as described in Section 5		N
	Other than SELV		P
	- between live parts of different polarity.....	100MΩ	P
	- between live parts and mounting surface.....	100MΩ	P
	- between live parts and metal parts.....	100MΩ	P
	- between live parts of different polarity through action of a switch		N
	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts		N
	- Insulation bushings as described in Section 5		N

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Clause	Requirement + Test	Result - Remark	Verdict
5.14 (10.2.2)	Electric strength test		P
	Dummy lamp		N
	Luminaires with ignitors after 24 h test		N
	Luminaires with manual ignitors		N
	Test voltage (V):		—
	SELV		P
	- between current-carrying parts of different polarity :	500V	P
	- between current-carrying parts and mounting surface	500V	P
	- between current-carrying parts and metal parts of the luminaire	500V	P
	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts		N
	- Insulation bushings as described in Section 5		N
	Other than SELV		P
	- between live parts of different polarity.....	1480V	P
	- between live parts and mounting surface.....	1480V	P
	- between live parts and metal parts.....	2960V	P
	- between live parts of different polarity through action of a switch		N
	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts		N
	- Insulation bushings as described in Section 5		N
5.14 (10.3)	Touch current or protective conductor current (mA):	Touch current: 0.36mA(limit:0,7mA) Protective conductor current: 0.15mA<3.5mA	P

5.15 (13)	RESISTANCE TO HEAT, FIRE AND TRACKING		—
5.15 (13.2.1)	Ball-pressure test.....	See Test Table 4.15 (13.2.1)	N
5.15 (13.3.1)	Needle-flame test (10 s)	See Test Table 4.15 (13.3.1)	N
5.15 (13.3.2)	Glow-wire test (650°C)	See Test Table 4.15 (13.3.2)	N

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Clause	Requirement + Test	Result - Remark	Verdict
5.15 (13.4.1)	Proof tracking test (IEC 60112):		N
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS		—
(3.3)	DK: power supply cord with label		N
	IT: warning label on Class 0 luminaire		N
(4.5.1)	DK: socket-outlets		N
(4.5.1)	FR: socket-outlets		N
(5.2.1)	CY, DK, FI, SE, GB: type of plug		N
ZC	ANNEX ZC, NATIONAL DEVIATIONS		—
(4 & 5)	FR: Shuttered socket-outlets 10/16A		N
(13.3)	FR: Glow-wire test 850°C alt. 750°C for luminaires in premises open to public or 960°C for luminaires in emergency exits		N
(13.3)	GB: Requirements according to United Kingdom Building Regulation		N

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Clause	Requirement + Test				Result - Remark		Verdict
5.7 (11.2)	TABLE: Clearance and creepage distance measurements						P
Class of luminaire		Class I ☒ Class II ☐ Class III ☐				—	
Impulse withstand category		Category II ☒ Category III ☐				—	
Clearance (cl) and creepage distance (cr) at/of/between:	Insulation type	U peak (V)	U r.m.s. (V)	Required cl (mm)	Measured cl (mm)	Required cr (mm)	Measured cr (mm)
Current-carrying parts of different polarity:	S	--	240	1,5	>3.0	2.5	>3.0
Current-carrying parts and supporting surface:	R	--	240	3,0	>6.0	5,0	>6.0
Supplementary information: B – Basic; S – Supplementary; R – Reinforced							

5.15 (13.2.1)	TABLE: Ball Pressure Test of Thermoplastics			N
Allowed impression diameter (mm):		2mm		—
Object/ Part No./ Material	Manufacturer/ trademark	Test temperature (°C)	Impression diameter (mm)	
Terminal	--	--	--	
Supplementary information:--				

5.15 (13.3.1)	TABLE: Needle-flame test (IEC 60695-11-5)					N
Object/ Part No./ Material	Manufacturer/ trademark	Duration of application of test flame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdict	
Terminal	--	--	--	--	--	
Supplementary information:--						

5.15 (13.3.2)	TABLE: Glow-wire test (IEC 60695-2-11)				N	
Glow wire temperature		650°C				—
Object/ Part No./ Material	Manufacturer/ trademark	Duration of application of test flame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdict	
Terminal	--	--	--	--	--	
Any flame or glowing of the sample extinguished within 30 s of withdrawing the glow-wire, and any burning or molten drop did not ignite the underlying parts (Yes/No).....					Yes	

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Clause	Requirement + Test	Result - Remark	Verdict

Supplementary information:

ANNEX 1:	Components				P
object/part No.	manufacturer/ trademark	type/model	technical data	mark(s) of conformity	
Supply cord	Kenic Electric Mfg. Co. Ltd.	H05VV-F	3x1.5mm ²	VDE	
LED driver	Foshan kaicheng lighting co., ltd	220V 50W	Input: 85-265VAC Output:80-100VDC	Test with appliance	
PCB	Foshan kaicheng lighting co., ltd	KF-D-5V0	V-0, 120°C	UL	
Enclosure	Foshan kaicheng lighting co., ltd	various	---	Test with appliance	
LED	Foshan kaicheng lighting co., ltd	5050	2700-8000K	Test with appliance	
Glass (LED cover)	various	Tempered glass	100°C	Test with appliance	
Terminal	DEGSON ELECTRONICS CO., LTD.	DG8H	450V, 17,5A	VDE	

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Clause	Requirement + Test				Result - Remark		Verdict
ANNEX 2	TABLE: Temperature measurements, thermal tests of Section 12						P
	Type reference :				FL-200W		—
	Lamp used :				Integral LED		—
	Lamp control gear used :				See annex 1		—
	Mounting position of luminaire :				As in normal use		—
	Supply wattage (W)..... :				209.1		—
	Supply current (A) :				0.833		—
	Calculated power factor :				--		—
	Table: measured temperatures corrected for ta = 25 °C:						P
	- abnormal operating mode..... :				--		—
	- test 1: rated voltage :						—
	- test 2: 1,06 times rated voltage or 1,05 times rated wattage..... :				1,06x240V=254.4V		—
	- test 3: Load on wiring to socket-outlet, 1,06 times voltage or 1,05 times wattage :				--		—
	- test 4: 1,1 times rated voltage or 1,05 times rated wattage..... :				--		—
	Through wiring or looping-in wiring loaded by a current of A during the test :				--		—
	Temperature measurements, (°C)						
Part	Clause 12.4 – normal					Clause 12.5 – abnormal	
	Test 1	test 2	test 3	test 3	limit	test 4	limit
Input wire	--	45.5	--	--	90	--	--
tc of LED driver	--	58.2	--	--	Ref.	--	--
Output wire	--	43.4	--	--	90	--	--
Lamp plate	--	47.6	--	--	Ref.	--	--
Lamp cover	--	45.6	--	--	100	--	--
Enclosure	--	59.3	--	--	90	--	--
Terminal	--	48.6	--	--	Ref.	--	--
Mounting surface	--	40.1	--	--	90	--	--
Lighted object (10cm)	--	47.8	--	--	90	--	--
Supplementary information: both voltages were tests, max. value recorded.							

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Clause	Requirement + Test	Result - Remark	Verdict
ANNEX 3	Screw terminals (part of the luminaire)		N
(14)	SCREW TERMINALS		N
(14.2)	Type of terminal		—
	Rated current (A)		—
(14.3.2.1)	One or more conductors		N
(14.3.2.2)	Special preparation		N
(14.3.2.3)	Terminal size		N
	Cross-sectional area (mm ²)		—
(14.3.3)	Conductor space (mm)		N
(14.4)	Mechanical tests		N
(14.4.1)	Minimum distance		N
(14.4.2)	Cannot slip out		N
(14.4.3)	Special preparation		N
(14.4.4)	Nominal diameter of thread (metric ISO thread).....		N
	External wiring		N
	No soft metal		N
(14.4.5)	Corrosion		N
(14.1.6)	Nominal diameter of thread (mm)		N
	Torque (Nm).....		N
(14.4.7)	Between metal surfaces		N
	Lug terminal		N
	Mantle terminal		N
	Pull test; pull (N).....		N
(14.4.8)	Without undue damage		N

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Clause	Requirement + Test	Result - Remark	Verdict
ANNEX 4	Screwless terminals (part of the luminaire)		N
(15)	SCREWLESS TERMINALS		N
(15.2)	Type of terminal		—
	Rated current (A)		—
(15.3.1)	Material		N
(15.3.2)	Clamping		N
(15.3.3)	Stop		N
(15.3.4)	Unprepared conductors		N
(15.3.5)	Pressure on insulating material		N
(15.3.6)	Clear connection method		N
(15.3.7)	Clamping independently		N
(15.3.8)	Fixed in position		N
(15.3.10)	Conductor size		N
	Type of conductor		N
(15.5.1)	Terminals internal wiring		N
(15.5.1.1)	Pull test spring-type terminals (4 N, 4 samples)		N
(15.5.1.2)	Pull test pin or tab terminals (4 N, 4 samples)		N
	Insertion force not exceeding 50 N		N
(15.5.1.2)	Permanent connections: pull-off test (20 N)		N
(15.5.2)	Electrical tests		N
	Voltage drop (mV) after 1 h (4 samples)		N
	Voltage drop of two inseparable joints		N
	Number of cycles:		—
	Voltage drop (mV) after 10th alt. 25th cycle (4 samples)		N
	Voltage drop (mV) after 50th alt. 100th cycle (4 samples)		N
	After ageing, voltage drop (mV) after 25th alt. 25th cycle (4 samples)		N
	After ageing, voltage drop (mV) after 50th alt. 100th cycle (4 samples)		N
(15.6)	Terminals external wiring		N
	Terminal size and rating		N
(15.6.1)	Conductors		N
	Terminal size and rating		N
15.6.2	Mechanical tests		N

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Clause	Requirement + Test					Result - Remark				Verdict
(15.6.2.1)	Pull test spring-type terminals or welded connections (4 samples); pull (N)									N
(15.6.2.2)	Pull test pin or tab terminals (4 samples); pull (N)									N
	Pull test pin or tab terminals (4 samples); pull (N)									N
(15.6.3)	Electrical tests									N
	Tests according 15.6.3.1 + 15.6.3.2 in IEC 60598-1									N
(15.6.3.1) (15.6.3.2)	TABLE: Contact resistance test / Heating tests									N
	Voltage drop (mV) after 1 h									—
terminal	1	2	3	4	5	6	7	8	9	10
voltage drop (mV)	--	--	--	--	--	--	--	--	--	--
	Voltage drop of two inseparable joints									N
	Voltage drop after 10th alt. 25th cycle									N
	Max. allowed voltage drop (mV).....									—
terminal	1	2	3	4	5	6	7	8	9	10
voltage drop (mV)	--	--	--	--	--	--	--	--	--	--
	Voltage drop after 50th alt. 100th cycle									N
	Max. allowed voltage drop (mV).....									—
terminal	1	2	3	4	5	6	7	8	9	10
voltage drop (mV)	--	--	--	--	--	--	--	--	--	--
	Continued ageing: voltage drop after 10th alt. 25th cycle									N
	Max. allowed voltage drop (mV).....									—
terminal	1	2	3	4	5	6	7	8	9	10
voltage drop (mV)	--	--	--	--	--	--	--	--	--	--
	Continued ageing: voltage drop after 50th alt. 100th cycle									N
	Max. allowed voltage drop (mV).....									—
terminal	1	2	3	4	5	6	7	8	9	10
voltage drop (mV)	--	--	--	--	--	--	--	--	--	--
Supplementary information:--										

AttachmentI: Attached report of EN 62031

Clause	Requirement - Test	Result	Verdict
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13	FAULT CONDITIONS		—
13.1	The module shall not impair safety when operated under fault conditions that may occur during the intended use		P
	When operated under fault conditions LED modules, compliance with :		—
	- does not emit flames or molten material		P
	- does not produce flammable gases		P
	- protection against accidental in accordance with 10.1 not impaired		P
	- totally enclosed LED modules or components not be opened.		P
	-for LED modules marked with symbol of thermal protected, temperature at any place not exceed the marked temperature value		N
	Short circuit across creepage distance and clearance less than value specified in clause 16		N
	Short circuit across or interruption of semi-conductor devices		N
	Short circuit across insulation consisting of covering of lacquer, enamel or textile		N
	Short circuit across electrolytic capacitors		N
13.2	Overpower condition		---
	The module shall be switched on and the power monitored (at the input side) and increased until 150 % of the rated voltage, current or power is reached.		P
	If the module contains an automatic protective device or circuit which limits the power, it is subjected to a 15 min operation at this limit		P
	After finalising the overpower mode, the module is operated under normal conditions until thermally being stable.		P

AttachmentII:		Photobiological safety of lamps and lamp systems were classified according to standard EN 62471: 2008 and EU directive 2006/25/EC		
Optical hazard	Test result	Used hazard exposure limit		Ref.
E_s	$1,706E-05W/m^2$	$0,001 W/m^2$	200-400 nm	P
E_{UVA}	$8,684E-03 W/m^2$	$0,33 W/m^2$	315-400 nm	P
L_B	$8,187E+01 W/m^2sr$	$100 W/m^2sr$	300-700 nm	P
$E_{B(small\ source)}$	--	--	300-700 nm	N/A
L_R	$1,015E+03 W/m^2sr$	$2,800E+05 W/m^2sr$	380-1400 nm	P
L_{IR}	$0,000E+00 W/m^2sr$	$6,000E+04W/m^2sr$	780-1400 nm	P
E_{IR}	$0,000E+00W/m^2$	$100 W/m^2$	780-3000 nm	P
E_H	$1,636E+01 W/m^2$	$3556,56 W/m^2$	380-3000 nm	P

AttachmentIII: Attached report of EN62493

Clause	Requirement + Test		Result - Remark	Verdict	
4.2	APPLICATION OF LIMITS (Test summary)			—	
	Specific absorption rate (SAR)			—	
a)	CISPR 15 clause 4.3.1 Disturbance voltage mains terminals 20 kHz – 30 MHz	*)		P	
b)	CISPR 15 clause 4.4 Radiated electromagnetic disturbances 100 kHz – 30 MHz	*)		P	
c)	CISPR 15 clause 4.4.2 Radiated electromagnetic disturbances 30 MHz – 300 MHz	*)		P	
*)	☒ See separate Test Report for measurements of a), b) and c) above Test Report with Ref. No.: R 011611381E ☐ Only measurement of d) below. See measurement results below. In this case this test report does not show compliance with IEC 62493.			—	
	Induced current density			P	
d)	Induced current density 20 kHz – 10 MHz	See measurement results below		P	
4.2.d	INDUCED CURRENT DENSITY			—	
	Power supply system utilised:			—	
	Voltage	AC100-240V		—	
	Frequency	50/60Hz		—	
	Environmental conditions:			—	
	Temperature	25°C		—	
	Humidity	52% R.H.		—	
	EuT operation mode:			—	
	☒ Normal operation			—	
	☐ Other operation:			—	
4.2.d	MEASUREMENT RESULTS			—	
	Measuring with “Van der Hoofden” test head			—	
Location of EuT		Measuring distance	Result (F)	Limit (F)	Verdict
Front of EuT		30 cm	0,14	0,85	P
Rear of EuT		30 cm	0,20	0,85	P
Side of EuT		30 cm	0,24	0,85	P

Photo documentation

Photo 1



Photo 2



Photo documentation

Photo 3



Photo 4

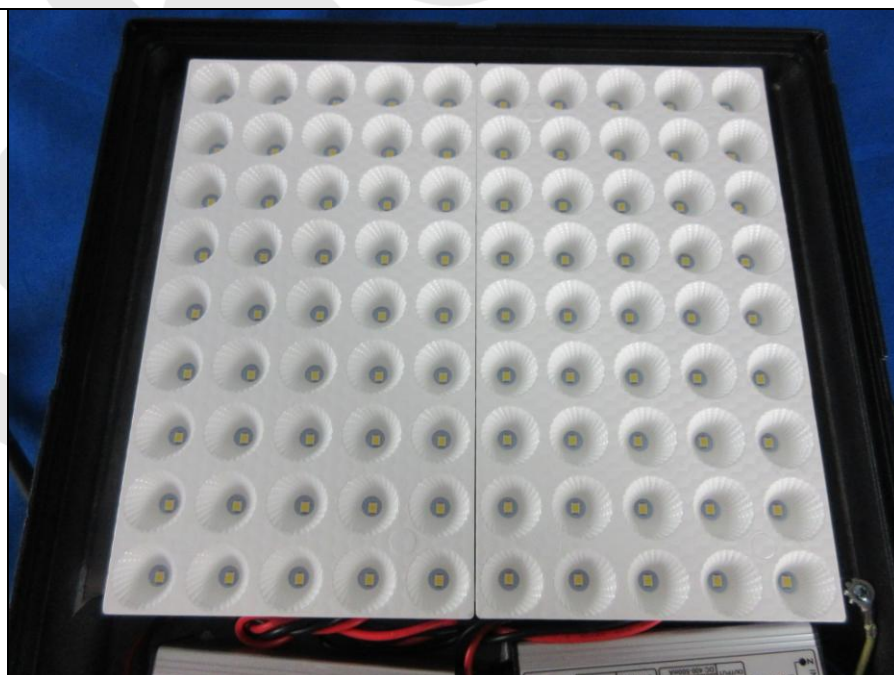


Photo documentation

Photo 5



Photo 6

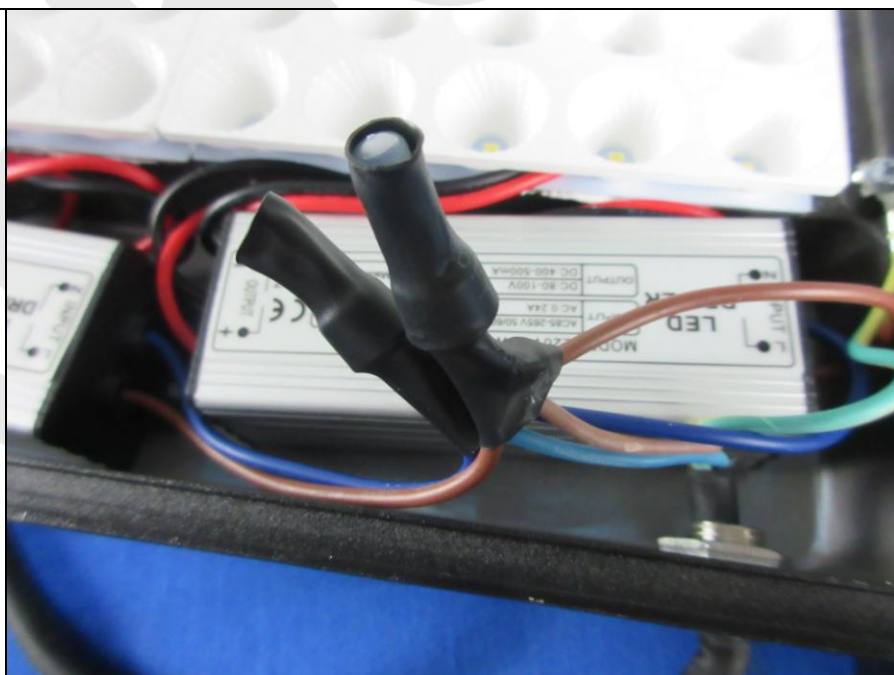


Photo documentation

Photo 7

