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# Test Report

Client Name FOSHAN KAICHENG LIGHTING CO., LTD

NO.16 Xingye Xi Road, Shishan Town, Nanhai District, Foshan, Guangdong, P.R.China. Address

LED Floodlight **Product Name** 

Aug. 19, 2020 Date





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#### **TEST REPORT**

#### IEC 60598-2-5

Part 2: Particular requirements: Section Five – Floodlights

Report

Report reference No. .....: 18240SC00017301

Compiled by.....: Owen Luo
Approved by .....: Jeff zhu

Testing laboratory

Name .....: Shenzhen Anbotek Compliance Laboratory Limited

Address ......: 1/F, Building D, Sogood Science and Technology Park, Sanwei

Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong,

China.518128

Testing location .....: Same as above

**Applicant** 

Name ...... FOSHAN KAICHENG LIGHTING CO., LTD

Guangdong, P.R.China.

Test specification

Standard .....: IEC 60598-2-5:2015 used in conjunction with

IEC 2014+A1: 2017

**Test item Description** 

Product name .....: LED Floodlight

Trademark .....: N.A.

Manufacturer : Same as applicant

Address : Same as applicant

Factory : Same as applicant

Address : Same as applicant

Model and/or type reference .....: BK02-200W, BK02-10W, BK02-20W, BK02-30W, BK02-50W, BK02-50W,

100W, BK02-150W

Rating(s) ...... AC100-240V, 50/60Hz



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Test item particulars

Classification of installation anduse ...... LED Floodlight

Protection class .....: Class III

Degree of protection ...... IP65

Test case verdicts

Test item does not meet the requirement ........ F(ail)

Testing

Date of receipt of test item...... Aug. 13, 2020

Date(s) of performance of test ...... Aug. 13, 2020 to Aug. 19, 2020

#### 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.

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 +A1: 2018
- EN 60598-2-5:2015
- EN 62031:2008+A1:2013+A2:2015

The submitted samples were found to comply with the requirement of EN 62493:2015 without testing because they are LED-lightsource technology.

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

#### **List of Attachments**

Attachment 1: Test report of EN 62031:2008+A1:2013+A2:2015

Attachment 2: European differences according to EN 60598-2-5:2015

Attachment 3: Photo documentation





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#### Copy of marking plate

**LED Floodlight** 

Model No.: BK02-200W

Rating: AC100-240V, 50/60Hz, 200W



**C**€ IP65



Manufacturer: FOSHAN KAICHENG LIGHTING CO., LTD Address: NO.16 Xingye Xi Road, Shishan Town, Nanhai District, Foshan, Guangdong, P.R.China.

Made in china

Location: Sticking on the enclosure.

Remark: height of WEEE symbol at least 7mm; height of other symbols at least 5mm, height of letters and numbers at least 2mm.

Rating labels for other models are same except the model name and rating.

#### **General product information**

All models have the similar appearance, but different dimension, power.

Unless otherwise specified, models BK02-200W was selected as representative models to perform all tests.



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-tel	IEC 60598-2-5	And Andrew And	Yes
Clause	Requirement + Test	Result - Remark	Verdict
Anbo.	hotek knoote And tek anbotek	Anbo. A. botek	nboto
5.4 (0+2)	CLASSIFICATION OF LUMINAIRES	ek Anbore And	nbotek
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 III	abo <sup>te</sup> P
5.4 (2.3)	Degree of protection:	IP65	Blek
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 🗌	_
anborek	Luminaire for rough service:	Yes 🗌 No 🖂	_
nbotek	Anbore Anborek Anborek Anborek	Anbotek Anbote	botek
5.5 (3)	MARKING	k anbotek Anbote A	HOYEL
5.5 (3.2)	Mandatory markings	ek abotek Anbote	Pore
, ek , st	Position of the marking	tek abotek Anbotek	P
or by	Format of symbols/text	uno, by apolek Vupole	P
5.5 (3.3)	Additional information	Anbor Anborek Anbo	Р
Aupon	Language of instructions	English	o P
5.5 (3.3.1)	Combination luminaires	Anbore An hotek	AnboN"
5.5 (3.3.2)	Nominal frequency in Hz	Anboy Amborek	Note
5.5 (3.3.3)	Operating temperature	hotek Anbore Ant otek	N
5.5 (3.3.4)	Symbol or warning notice	botek Anbote And	N N
5.5 (3.3.5)	Wiring diagram	botek Anboten Anb	otek N
5.5 (3.3.6)	Special conditions	An hotek Anbotek An	N
5.5 (3.3.7)	Metal halide lamp luminaire – warning	Ans hotek Anbotek	AupoN **
5.5 (3.3.8)	Limitation for semi-luminaires	And otek anbotek	MON
5.5 (3.3.9)	Power factor and supply current	troter And stek anbotek	Napo
5.5 (3.3.10)	Suitability for use indoors	inboten And tek nbote	N N
5.5 (3.3.11)	Luminaires with remote control	Anbotek Anbo tek ab	orek N
5.5 (3.3.12)	Clip-mounted luminaire – warning	Anbotek Anbo. An	N Noor
5.5 (3.3.13)	Specifications of protective shields	el Vupotek Mupor	N. N.
5.5 (3.3.14)	Symbol for nature of supply	tek upotek Aupote	PIN'P
5.5 (3.3.15)	Rated current of socket outlet	ok abotek Anbores	N
5.5 (3.3.16)	Rough service luminaire	upor him ok pore	N PO



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'lloo's	Anborek Anborek	ATT MOTO MEC	60598-2-5	Anbor stek Anborek	Anboien	r. Burn
Clause	Requirement + Test	K PUL	Anbotek	Result - Remark	k Vilon	/erdict

200,00	Art and and	K 700, by	-018
5.5 (3.3.17)	Mounting instruction for type Y, type Z and some type X attachments	Type Y	An P
5.5 (3.3.18)	Non-ordinary luminaires with PVC cable	abotek Anbote Ann Lotel	N Anh
5.5 (3.3.19)	Protective conductor current in instruction if applicable	Anbotek Anbotek Anb	stek N
5.5 (3.3.20)	Provided with information if not intended to be mounted within arm's reach	Anbotek Anbotek	nboteN
5.5 (3.3.21)	Non replaceable and non-user replaceable light sources information provided	Non-user replaceable light sources	Anbore Anbore
Joseph Wur	Cautionary symbol	boten Anbo tek abotel	PAnb
5.5 (3.3.22)	Controllable luminaires, insulation	anbotek Anbo. Ps.	Kek N
5.5 (3.4)	Test with water	Rubbed lightly for 15 s	hoteP
nbotek	Test with hexane	For a further 15 s	Pek
k abore	Legible after test	ek abotek Anbote	Am P otel
ok do	Label attached	ek botek Anbote	P
5.5 (-)	Additional necessary marking	por Amborek Ambores	PAME
"Upo, r	Operation position	Anbore Anborek Anbor	P
Anbore	Weight and dimensions	Anbores And Lotek An	potek P
Anborek	Maximum protected area	Anbores Anso arek	anboPak
Anborek	Range of mounting heights	ik Anbores Anbores	Notek
tek nobe	Suitability for indoor use	otek Anbotek Anbot	N .so

5.6 (4)	CONSTRUCTION	And otek Anbotek Anbo	-ok
5.6 (4.2)	Components replaceable without difficulty	Antonek Anbotek An	N
5.6 (4.3)	Wireways smooth and free from sharp edges	Aupa rek upotek	Anbo'P
5.6 (4.4)	Lampholders	Aupon by by apolek	PUN June
5.6 (4.4.1)	Integral lampholder	otek Anbour Anbotek	Napore
5.6 (4.4.2)	Wiring connection	opolek Aupon ok Mote	K N M
5.6 (4.4.3)	Lampholder for end-to-end mounting	upotek Anbor An	otek N
5.6 (4.4.4)	Positioning	abotek Anbore An	N
hotel	- pressure test (N)	hotek Anbore	_
ek Anbe	After test the lampholder comply with relevant standard sheets and show no damage	nek Anbotek Anbotek	Anhore!



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	Model March 1EC 6	0598-2-5		
Clause	Requirement + Test	Anbotelt Re	esult - Remark	Verdict
Anbo.	And analysisk Anbores And	Anbotek	Anbo. A.	otek mboře.
	After test on single-capped lampholder to lampholder have not moved from its pos	ne ition and		abotek Anblie
	show no permanent deformation	rek abotel		in cotek anbot

abotek	- bending test (Nm)	abotek Anbore Air	_
Anbotek	After test the lampholder have not moved from its position and show no permanent deformation	Anbotek Anbotek	Nek
5.6 (4.4.5)	Peak pulse voltage	tek Anbon ak hotek	Noote
5.6 (4.4.6)	Centre contact	botek Anbore. And botel	Nanb
5.6 (4.4.7)	Parts in rough service luminaires resistant to tracking	abotek Anboten Anti-	ek N
5.6 (4.4.8)	Lamp connectors	botek Anbore And	N
5.6 (4.4.9)	Caps and bases correctly used	hotek Anbotes A	N
5.6 (4.4.10)	Light source for lampholder or connection according IEC 60061 not connected another way	ek Anbotek Anboten	Amborek Amborek
5.6 (4.5)	Starter holders	botek Anbore Anbore	Nanbo
botek P	Starter holder in luminaires other than class II	botek Anbote And	N N
hotek	Starter holder class II construction	Potek Aupote, Vue	N N
5.6 (4.6)	Terminal blocks	Arr. Motek Anboten Ar	N
Aug - otel	Tails	And Anbotek	AmboN Lok
Amb	Unsecured blocks	And otek Anbotek	N
5.6 (4.7)	Terminals and supply connections	poter And stek anbotek	Pulpo
5.6 (4.7.1)	Contact to metal parts	Anboren Anbo	N AN
5.6 (4.7.2)	Test 8 mm live conductor	Anbotek Anbo	ote <sup>k</sup> P
anbotek	Test 8 mm earth conductor	Anbotek Anbo. A.	N-
5.6 (4.7.3)	Terminals for supply conductors	k anbotek Anbot	Potek
5.6 (4.7.3.1)	Welded connections:	stek anbotek Anbote	N
rok h	- stranded or solid conductor	ek abotek Anbote	N
ipo, b	- spot welding	inbo. Ar spotek Aupot	N bus
Anbor	- welding between wires	Anbor Ak botek Ant	N
Anboro	- Type Z attachment	Anbore An-	N <sup>todo</sup>
Aupole	- mechanical test according to 15.8.2	Anbore And And	an Neek
ek Anbot	- electrical test according to 15.9	Hek Anbore. And	Note
notek An	- heat test according to 15.9.2.3 and 15.9.2.4	Potek Auporen Aupo	N
5.6 (4.7.4)	Terminals other than supply connection	n otek Anbotek Anbor	P P
-307	ALC: NO.	A0Y F V	Later to the second





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Note N	IEC 60598-2-5	And Andrew	Yes
Clause	Requirement + Test	Result - Remark	Verdict
5.6 (4.7.5)	Heat-resistant wiring/sleeves	And Anbotek	Nek Nek
5.6 (4.7.6)	Multi-pole plug	Anto otek anbotek	N a
3.0 (4.7.0)	- test at 30 N	yer Anboards	N
5.6 (4.8)	Switches:	Tupotek Vupo, Vek Vupous	N PA
0.0 (4.0)	- adequate rating	Aupotek Pupo, by	N N
Anbotek	- adequate fixing	Vuporak Pupor Vi	nbotek N
Morode	- polarized supply	h upotek Anbore A	N N
k 2001	- compliance with IEC 61058-1 for electronic switches	ek abotek Anbotes	Noot
5.6 (4.9)	They was the state of the state	ok hotek hupotek	N
	Insulating lining and sleeves  Retainment	bore And Antorek	N N
5.6 (4.9.1)	Any Mark	Ambotes Amb	Kejk IA
F C (4 O O)	Method of fixing	Anboten Anbo	
5.6 (4.9.2)	Insulated linings and sleeves	Antotek Anbo k	N
	Resistant to a temperature > 20 °C to the wire temperature or	ek Anbotek Anbo	Ant N
tek Ant	a) & c) Insulation resistance and electric strength	ootek Anbores Ans	N
notek	b) Ageing test. Temperature (°C)	hotek Anbote Anb	N Y
5.6 (4.10)	Double or reinforced insulation	Anbotek Anbotek Anbo	P
5.6 (4.10.1)	No contact, mounting surface – accessible metal parts – wiring of basic insulation	Anbotek Anbotek An	Anbotek Anbotek
Anbore	Safe installation fixed luminaires	ak Anbores Anbo	Note
rek Anb	Capacitors and switches	otek Anbotes Anbo	N
ibotek p	Interference suppression capacitors according to IEC 60384-14	unbotek Anbotek Anbot	₹ N
5.6 (4.10.2)	Assembly gaps:	Anboron Ann otek Anh	o <sup>tek</sup> N
Anbores	- not coincidental	Anbores Anbo	nbo'N
Anborel	- no straight access with test probe	k aupotek Aupo	Ne
5.6 (4.10.3)	Retainment of insulation:	otek Anbotek Anbot	N
atek n	- fixed	otek Anbotek Anbord	N
ek k	- unable to be replaced; luminaire inoperative	into. Tek upotek Aupote	N
Aupo,	- sleeves retained in position	Anboy Anb	N
Anbore	- lining in lampholder	Anbor All botek	inpoter N
5.6 (4.11)	Electrical connections and current-carrying parts	W Aupores Mun	An Prek
5.6 (4.11.1)	Contact pressure	tek Anbotes Ano	R/bo
5.6 (4.11.2)	Screws:	sporek Anborek Anbo	P
tek	- self-tapping screws	Jok Pupolok Wilhor	»e∀ P





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IEC 60598-2-5			
Clause	Requirement + Test	Result - Remark	Verdic
Ann	- thread-cutting screws	k hotek Anbotek	Nel Nel
5.6 (4.11.3)	A POLICE TO THE PROPERTY OF TH	ok hotek Anborek	N
A PULL	- spring washer	otek Anborek	N
oter po	- rivets	Aupoter Aupote	N
5.6 (4.11.4)	Material of current-carrying parts	Anbotek And otek ant	otek P
5.6 (4.11.5)	No contact to wood or mounting surface	Aupoles Aupo	nbotek P
5.6 (4.11.6)	Electro-mechanical contact systems	Anbotek Anbo	Non
5.6 (4.12)	Screws and connections (mechanical) and glands	otek Aupotek Aupo	Poo
5.6 (4.12.1)	Screws not made of soft metal	otek Antorek Antor	P
nek .	Screws of insulating material	otek Anbotek Anbore	av N
Anbotek	Torque test: torque (Nm); part:	Fixed LED cover: 3.90mm, 1.2Nm	nbotelP
Anborek	Torque test: torque (Nm); part	Fixed LED: 2.65mm, 0.4Nm	anb Nor
Anbore	Torque test: torque (Nm); part	rek Anborek Anbo	Not
5.6 (4.12.2)	Screws with diameter < 3 mm screwed into metal	otek unbotek Anbor	N
5.6 (4.12.4)	Locked connections:	atek anbotek Anbore	N N
upo sek	- fixed arms; torque (Nm):	Anbo tek anbotek Anbo	N
Vupo,	- lampholder; torque (Nm):	Anbo, tek abotek Ar	N
Aupo	- push-button switches; torque 0,8 Nm:	Anton An abotek	Anboron
5.6 (4.12.5)	Screwed glands; force (Nm):	Anbor All botek	p.N°
5.6 (4.13)	Mechanical strength	ibotek Anbore An botek	Park
5.6 (4.13.1)	Impact tests:	abotek Anbotes And	e <sup>k</sup> P
botek	- fragile parts; energy (Nm):	Lamp cover; 0.5Nm	otekP
Pn.	- other parts; energy (Nm):	Metal enclosure; 0.7Nm	P
hotek	1) live parts	ok botek Anbotes	Amber Pare
A NO	2) linings	k hotek Anbotek	ANN
Sr. Blup.	3) protection	coler Punalek Pupotek	Pup
poten Ar	4) covers	inbores And otek anbot	P
5.6 (4.13.3)	Straight test finger	Anbores Anso otek and	otek P
5.6 (4.13.4)	Rough service luminaires	Anbores Anb	N Pode
Anbotek	- IP54 or higher	Anbotek Anbo	Nel
k vupo,	a) fixed	stek anbotek Anbor	N
atek an	b) hand-held	otek Anbotek Anbote	N
, p	c) delivered with a stand	burn K Potek Mupon	. N





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-telk	IEC 60598-2-5	Arrage Anbotek Anbo	. V
Clause	Requirement + Test	Result - Remark	Verdict
Aupo	And Andrew Anbotek	Anbo	abore
Anbore	d) for temporary installations and suitable for mounting on a stand	Anbore Ans	Anburek
5.6 (4.13.6)	Tumbling barrel	oter Ann otek Anbotek	N
5.6 (4.14)	Suspensions, fixings and means of adjusting	inboten And otek subote	PM
5.6 (4.14.1)	Mechanical load:	Anbotek Anbo tek nb	otek P
Anbotek	A) four times the weight	Anboiek Anbo.	abote P
nbotek	B) torque 2,5 Nm	Anbotek Anbo.	Nek
k abor	C) bracket arm; bending moment (Nm)	ek nbotek Anbou	N
rak al	D) load track-mounted luminaires	tek abotek Anbote	N
upotek k	E) clip-mounted luminaires, glass-shelve. Thickness (mm)	Anbotek Anbotek Anbote	ke <sub>k</sub> N <sub>VL</sub>
abotek	Metal rod. diameter (mm)	anbotek Anbo. An	note N
Anbotek	Fixed luminaire or independent control gear without fixing devices	Ambotek Ambotek	AnboNek
5.6 (4.14.2)	Load to flexible cables	tek Anbor ak hotek	₽N <sup>o</sup>
tok Anb	Mass (kg):	potek Aupone August	_
botek	Stress in conductors (N/mm²):	abotek Anbots k An	o <sup>¥</sup> N
botek	Mass (kg) of semi-luminaire	abotek Anbores Ant	_
-botek	Bending moment (Nm) of semi-luminaire	potek Auporem Ar	N
5.6 (4.14.3)	Adjusting devices:	ok hotek Anbotes	Amb P ate
rr bren	- flexing test; number of cycles	45	PP
io. Viun	- strands broken:	Jores Am Lotek Anbotek	Name
pole P	- electric strength test afterwards	unbores And orek anbor	P
5.6 (4.14.4)	Telescopic tubes: cords not fixed to tube; no strain on conductors	Anbotek Anbotek An	orek N
5.6 (4.14.5)	Guide pulleys	k hotek Anbotek	Amba N el
5.6 (4.14.6)	Strain on socket-outlets	Antorek Anborek	Pull.
5.6 (4.15)	Flammable materials:	pores And otek Anbotek	Pupi
oles, bu	- glow-wire test 650°C:	See Test Table 5.15 (13.3.2)	P
Anbotek	- spacing ≥30 mm	Amborek Ambo	orek N
Anbotek	- screen withstanding test of 13.3.1	anbotet Ankon Air	abo <sup>d</sup> N
Anbotek	- screen dimensions	vupotek Pupote	Niek
k apo,	- no fiercely burning material	tek abotek Anbeter	Pwo
Pak Pin	- thermal protection	rek obotek Anbuten	N
OT AL	- electronic circuits exempted	hone And Adole	N





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_tek	IEC 60598-2-5	Ann stek anbotek Anbo	
Clause	Requirement + Test	Result - Remark	Verdic
5.6 (4.15.2)	Luminaires made of thermoplastic material with lamp of	control gear	Ne
K apo,	a) construction	tek abotek Anboten	N
N. VIII	b) temperature sensing control	ak hotek Anborek	N
Off. PC	c) surface temperature	Inbore Anton	N
5.6 (4.16)	Luminaires for mounting on normally flammable surface	ces more and	N
Anboren	No lamp control gear:	(compliance with Section 12)	nboreN
5.6 (4.16.1)	Lamp control gear spacing:	k Anboren Ann	Anb N ex
k Anbor	- spacing 35 mm	otek Auporan Auporak	Noo
otek Anl	- spacing 10 mm	hotek Anbores Anso	N
5.6 (4.16.2)	Thermal protection:	hotek Anbotek Anbo	N N
in otek	- in lamp control gear	Am Lotek Anbotek Anb	N
Anno	- external	And otek anbotek	N.K
AUD	- fixed position	Anbotek anbotek	Pup N
PUP	- temperature marked lamp control gear	Jen Anbo.	PN
5.6 (4.16.3)	Design to satisfy the test of 12.6	(see clause 12.6)	Non
5.6 (4.17)	Drain holes	Anbotek Anbo ek abi	N N
Anbotek	Clearance at least 5 mm	Anbotek Anbo. All	N <sup>lo</sup> to
5.6 (4.18)	Resistance to corrosion:	anbotek Anbot A	N/v
5.6 (4.18.1)	- rust-resistance	ek abotek Anbote	N
5.6 (4.18.2)	- season cracking in copper	ak abotek Anbote	N
5.6 (4.18.3)	- corrosion of aluminium	bo. Arbotek Anbote	N
5.6 (4.19)	Igniters compatible with ballast	Anbor Anbo	N
5.6 (4.20)	Rough service vibration	Anbore K Arts work Ar	o <sup>ten</sup> N
5.6 (4.21)	Protective shield:	Anbore And otek	nbo'N
5.6 (4.21.1)	Shield fitted if tungsten halogen lamps or metal halide lamps	k Anborek Anborek	Andre
bu.	Shield of glass if tungsten halogen lamps	ok hotek Anbotek	N
5.6 (4.21.2)	Particles from a shattering lamp not impair safety	Anbore Anbor	N
5.6 (4.21.3)	No direct path	Anbore And Lotek An	osek N
5.6 (4.21.4)	Impact test on shield	Anbote. And otek	N <sup>rodn</sup>
Anbotek	Glow-wire test on lamp compartment	See Test Table 5.15 (13.3.2)	Neg
5.6 (4.22)	Attachments to lamps	otek Aupotek Aupo	N
5.6 (4.23)	Semi-luminaires comply Class II	sek abotek Anbotek	N





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_tell	IEC 60598-2-5	All tek apporer And	. Va
Clause	Requirement + Test	Result - Remark	Verdict
5.6 (4.24.1)	No excessive UV radiation if tungsten halogen lamps and metal halide lamps (Annex P)	Anbotek Anbotek	Nek Anb
5.6 (4.24.2)	Retinal blue light hazard	otek Anton An botek	Npo
otek An	Luminaires with E <sub>thr</sub>	nbotek Anbore Alli	N ps
nbotek	a) Fixed luminaires	anborek Anbore An	otek N
abotek	- distance x m, borderline between RG1 and RG2 :	anbotek Anbote An	Workey.
abotek	- marking and instruction according 3.2.23	abotek Anbote	Nek
k -00 <sup>†</sup>	b) Portable and handheld luminaires	ek potek Aupoten	N
otek An	- marking according 3.2.23 if RG1 exceeded at 200 mm according to IEC/TR 62778	botek Anbotek Anbotek	N
inbotek Anbotek	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	Anbotek Anbotek Anbo	lek N
5.6 (4.25)	Mechanical hazard	Aupotek Aupo, tek	onbPek
Anbote	No sharp point or edges	ek anbotek Anbot	Post
5.6 (4.26)	Short-circuit protection:	otek unbotek Anbote	N
5.6 (4.26.1)	Adequate means of uninsulated accessible SELV parts	Anbotek Anbotek Anbotek	ek P
5.6 (4.26.2)	Short-circuit test with test chain according 4.26.3	Anbores And Lotek An	o <sup>otel</sup> N
Anboren	Test chain not melt through	Anboron Amo	Nodra
Anbore	Test sample not exceed values of Table 12.1 and 12.2	ak Anborek Anborek	AIN OFE
5.6 (4.27)	Terminal blocks with integrated screwlessearthing con	tacts	N
1001 P	Test according Annex V	Ambor An Morek Ambor	N
Vupose.	Pull test of terminal fixing (20 N)	Anbore Ame work An	o <sup>ten</sup> N
Anbore	After test, resistance < 0,05 $\Omega$	Anbore And And	Nod N
Anbore.	Pull test of mechanical connection (50 N)	k Anbores Anb	N. N. Sel
ak Anbo	After test, resistance < 0,05 $\Omega$	otek Anbotek Anbo	N
otek as	Voltage drop test, resistance $< 0.05 \Omega$	worlek Anbotek Antro	, N
5.6 (4.28)	Fixing of thermal sensing control	nobotek Anbotek Anbor	N
Ande	Not plug-in or easily replaceable type	Anno otek Anbotek Ant	N
YUPO.	Reliably kept in position	Anbo stek subotek	rupote.
k Aupo,	No adhesive fixing if UV radiations from a lamp can degrade the fixing	tek Aupotek Aupotek	N N
otek no	Not outside the luminaire enclosure	Potek Pupotek Vupo,	N
rok h.	Test of adhesive fixing:	not botek Anbore	N N





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	IEC 60598-2-5		
Clause	Requirement + Test	Result - Remark	Verdic
Vupo.	And Andrew And Andrew	Anbo. A. barek	abote.
Anboten	Max. temperature on adhesive material (°C):	anboten And	Niek
ak anbo	100 cycles between t min and t max	stek Anbotek Anbo. Lek	N
tek an	Temperature sensing control still in position	stek anbotek Anbo	N
5.6 (4.29)	Luminaires with non-replaceable light source	Anborek Anbore	, N
Yupo,	Not possible to replace light source	Anbo. ak shotek Ant	N
Anbotek	Live part not accessible after parts have been opened by hand or tools	Anbotek Anbotek	nboteN hotek
5.6 (4.30)	Luminaires with non-user replaceable light source	tek anbotek Anbote.	P
P.	otek Anbore Are ok spotek Anb	otek anbore	Die
	If protective cover provide protection against electric shock and marked with "caution, electric shock risk" symbol:	Anbotek Anbotek Anbotek	N Ar
Anboro	Minimum two fixing means	Anbor Ak botek	N N
5.6 (4.31)	Insulation between circuits	Anbore Ann hotek	ANDN
ek ab	Circuits insulated from LV supply fulfil requirements according 4.31.1 – 4.31.3	rek Anbotek Anbotek	N
Anbotek A	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	Anbotek Anbotek Anbotek Anbo	NAME NAME
5.6 (4.31.1)	SELV circuits	Anboice Ambo	anboph
Anbotel	Used SELV source	tak Anbotek Anbo	Pote
iek onb	Voltage ≤ ELV	otek Antiotek Antio	P
. Not	Insulating of SELV circuits from LV supply	otek subotek Anbore	N
Anbotek A	Insulating of SELV circuits from other non SELV circuits	Anbotek Anbotek Anbo	botek P
Anbore	Insulating of SELV circuits from FELV	Anbores Anbo	nbo'N
anbotek	Insulating of SELV circuits from other SELV circuits	ex anbores Anco	N
ek Anbo	SELV circuits insulated from accessible parts according Table X.1	botek Anbotek Anbotek	N
pore* Ar	Plugs not able to enter socket-outlets of other voltage systems	Anbotek Anbotek Anbot	N P
Anborek	Socket outlets does not admit plugs of other voltage systems	Anborek Anborek An	knbor N
K Auporo	Plugs and socket-outlets does not have protective conductor contact	Aupotek Vipotek	AUN,
5.6 (4.31.2)	FELV circuits	An otek Anbotek	N
Joseph Pil	Used FELV source	abote And ak hote	NP



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IEC 60598-2-5			
Clause	Requirement + Test	Result - Remark	Verdict
Annahotek	Voltage ≤ ELV	And botek Anbotek	Nek Nek
K NO3	Insulating of FELV circuits from LV supply	ok botek Anbotek	N
, bos	FELV circuits insulated from accessible parts	otek anbotek	N
oten An	according Table X.1	hbotek Anbotek Anbote	P.5
inbotek	Plugs not able to enter socket-outlets of other voltage systems	Anbotek Anbotek Anbo	iek N
Anbotek	Socket outlets does not admit plugs of other voltage systems	Anbotek Anbotek As	N N N N N N N N N N N N N N N N N N N
k Anbor	Socket-outlets does not have protective conductor contact	tek Aupotek Aupotek	Noo
5.6 (4.31.3)	Other circuits	pores And Cotek andotes	N
nbotek	Other circuits insulated from accessible parts according Table X.1	Anbotek Anbotek Anbo	N Otek
Anbotek	Class II construction with equipotential bonding for prowith live parts:	tection against indirect contacts	AnboN.K
Anboth	- conductive parts are connected together	lek Anbore Anborek	N°°
iek Anb	- test according 7.2.3 of above	potek Anbotek Anb	N
ipotek i	- conductive part not cause an electric shock in case of an insulation fault	Ambotek Ambotek Ambo	N
Anbore	- equipotential bonding in master/slave applications	Anboro Ari botek Ari	N
Anbore	- master luminaire provided with terminal for	Aupone Pur Potek	<sup>Tup</sup> ole,
Aupore	accessible conductive parts of slave luminaires	ek Anbore And	noor
ek anb	- slave luminaire constructed as class I	erek Anbotek Anbo	N
5.6 (4.32)	Overvoltage protective devices	tek anbotek Anbo	N
or or	Comply with IEC 61643-11	unbo ek mbotek Anbo	N
Anbo.	External to control gear and connected to earth:	Anbo. Ar abotek Anb	N
Anbore	- only in fixed luminaires	Aupor All botek	nbo'N
Anbore	- only connected to protective earth	ek Anbore Am Sotek	An Note
5.6.1 (-)	At least IPX3 if for outdoor use	otek Anbores And	Pnb
5.6.2 (-)	Lampholder brackets and lamp supports	hotek Anbotes Anto	N
5.6.3 (-)	Adjusting means	motek Anbotek Anbor	N N
5.6.4 (-)	Controlling components	Anto atek Anbotek Ant	N
5.6.5 (-)	Fixing device	Aupo. W. Wodek	nboten
AUPOL	Wind force test	Anbor All	AUPOLO
5.6.6 (-)	Locking of angular adjustment	otek Aupara Au	B/p
5.6.7 (-)	Vibration resistance	hotek Anberter Anti-	Р



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-tel-	IEC 60598-2-5	Arek anboten Anbo	
Clause	Requirement + Test	Result - Remark	Verdict
5.6.8 (-)	Requirement on glass cover if mounting height > 5 m	And Anborek	nbo' Prek
k wo	Method of protection:	ok botek Anbotek	- 700
N AND	otek Anborek Anton tek Shorek Anto	Her And Anbotak	by.
5.7 (11)	CREEPAGE DISTANCES AND CLEARANCES	Anborek Anborek	- b
5.7 (11.2)	Creepage distances and clearances:	See Table 5.7 (11.2)	N
Anbotek	Impulse withstand category (Normal category II) (Category III Annex U, Table U.1)	Category II   Category III	_
k abor	Anbotek Anbotek Anbotek Anbo	rek abotek Anboren	by.
5.8 (7)	PROVISION FOR EARTHING	or Andorek Anborer	bu.
5.8 (7.2.1 + 7.2.3)	Accessible metal parts	Anbotek Anbotek Anbote	N M
Anbotek	Anbotek Anbotek Anbotek Anbotek	Anbotek Anbotek Ar	botek
Anbo	Metal parts in contact with supporting surface	Anbo wek anbotek	Anb N
	Resistance < 0,5 Ω:	ek Anbo tek nbotek	No
lek Aup	Self-tapping screws used	potek Anbu tek spotek	Npin
ibotek P	Thread-forming screws	Anbotek Anbo. A. bo	e <sup>k</sup> N
anbotek	Thread-forming screw used in a grove	Anborek Anbors All	notel N
hotek	Earth makes contact first	nbotek Anbote Ar	NK
Anbotel	Terminal blocks with integrated screwlessearthing contacts tested according Annex V	ik Anbotek Anbotek	Anbore
tek Aup	Built-in control gear	potek Anbo, ak hotek	Nat
5.8 (7.2.2 + 7.2.3)	Earth continuity in joints, etc.	Anbotek Anbotek Anbot	» N
4.8 (7.2.4)	Locking of clamping means	Anbo Anbotek An	N
Anbo	Compliance with 4.7.3	Aupo ek apotek	Anbolu
ek Vupo,	Terminal blocks with integrated screwlessearthing contacts tested according Annex V	tek Vupotek Vupotek	ACN TO
5.8 (7.2.5)	Earth terminal integral part of connector socket	rek nbotek Anbot	N
5.8 (7.2.6)	Earth terminal adjacent to mains terminals	Inbo	N
5.8 (7.2.7)	Electrolytic corrosion of the earth terminal	Anbo. Ant	N
5.8 (7.2.8)	Material of earth terminal	Anbor An	unbot N
Aupora	Contact surface bare metal	Aupora Aur.	AniNie
5.8 (7.2.10)	Class II luminaire for looping-in	otek Anbore Ann-	No
otek An	Double or reinforced insulation to functional earth	botek Anbotes Anbo	N
5.8 (7.2.11)	Earthing core coloured green-yellow	rek aboles Anb	av N



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-4e/4	IEC 60598-2-5	Arek anboten And	
Clause	Requirement + Test	Result - Remark	Verdic
Anbu	Lorenth of courts and directors	Anbo rek anborek	nbore
Aupo.	Length of earth conductor	e hupo hi upotek	Nie
5.9 (14)	SCREW TERMINALS	Dotek Vupo, by potek	parb)
5.9 (14)	Separately approved; component list:	(see Annex 1)	N N
nbotek	Part of the luminaire	(see Annex 3)	N
anborek	rat of the furnitial e	(See Alliex 3)	hotek
5.9 (15)	SCREWLESS TERMINALS AND ELECTRICAL CON	NECTIONS	in rotek
5.9 ( i.5)	Separately approved; component list:	(see Annex 1)	Noo
ok Air	Part of the luminaire	(see Annex 3)	Dis.
ore Am	rait of the fulfillation	(See Alliex 3)	N <sub>ps</sub>
5.10 (5)	EXTERNAL AND INTERNAL WIRING	Ambories And	rek.
5.10 (5)	Supply connection and external wiring	Anboten And	lbetek P.
5.10 (5.2.1)	Means of connection	Non-detachable power cord	Aupolek
5.10 (5.2.1)	Wedits of confection	without plug	anboi
notek Anb	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	nbotek Anbotek Anbotek	N An
5.10 (5.2.2)	Type of cable	H05RN-F	.xe\P
And wotek	Nominal cross-sectional area (mm²)	3G0.75mm <sup>2</sup>	P
Anormatel	Cables equal to IEC 60227 or IEC 60245	IEC 60245	Vupo,
5.10 (5.2.3)	Type of attachment, X, Y or Z	Type Y	PP
5.10 (5.2.5)	Type Z not connected to screws	aborek Anborek	P <sub>VU</sub>
5.10 (5.2.6)	Cable entries:	Anborek Anbo	P
Anbotel	- suitable for introduction	Aupotek Aupo	o <sup>tek</sup> P
anbotek	- adequate degree of protection	Anborek Anbor An	abo'P'
5.10 (5.2.7)	Cable entries through rigid material have rounded edges	tek Anbotek Anbotek	Ambore
5.10 (5.2.8)	Insulating bushings:	bore And otek anbotek	Nop
oter Ar	- suitably fixed	inbotes And otek anbote	N P
Anbotek	- material in bushings	Anbotes Anbotes	orek N
anbotek	- material not likely to deteriorate	Anbotek Anbo sek	Nooth
Anbotek	- tubes or guards made of insulating material	at unbotek Anbour	Ne
5.10 (5.2.9)	Locking of screwed bushings	ok botek Anbots	N

## Shenzhen Anbotek Compliance Laboratory Limited

Cord anchorage:

5.10

(5.2.10)

Ρ



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IEC 60598-2-5			
Clause	Requirement + Test	Result - Remark	Verdict
Anbahotek	- covering protected from abrasion	Anbotek Anbotek	Prek
K MO	- clear how to be effective	And botek Anbotek	Р
V PUD	- no mechanical or thermal stress	aren And Lotek Anboiek	P
oter pr	- no tying of cables into knots etc.	hoter And Andrek	Р
inpoter.	- insulating material or lining	Anboren Anbo	N
5.10 (5.2.10.1)	Cord anchorage for type X attachment:	Anbotek Anbotek	nbotek hotek
k 2001	a) at least one part fixed	ek abotek Anbores	N
P.C.	b) types of cable	ok Anborok Anborok	N
Ore Pro	c) no damaging of the cable	both Anbotek Anbotes	N PAG
upot	d) whole cable can be mounted	Anbore Anborek Anbo	N
Aupolo	e) no touching of clamping screws	Aupotes Augusta	ipote <sup>N</sup>
Anbore	f) metal screw not directly on cable	Anbore Ans Lotek	Anb Non
Anbor	g) replacement without special tool	lek Anbore And otek	Not
tek Aut	Glands not used as anchorage	ootek Anbotes Anbotek	N
work.	Labyrinth type anchorages	hotek Anbotek Anbo	N N
5.10 (5.2.10.2)	Adequate cord anchorage for type Y and type Z attachment	Type Y	PotekP
5.10 (5.2.10.3)	Tests: Anborek Anborek Anborek	Anboresk Anborek	AnboPik
ok Pr.	- impossible to push cable; unsafe	sk botek Anboten	PP
'r VIII	- pull test: 25 times; pull (N):	30N	P <sub>rup</sub>
loole. b	- torque test: torque (Nm):	0.08Nm	P
Anbore.	- displacement ≤ 2 mm	0.41mm	otek P
Anbore	- no movement of conductors	Anborer And otek	Anbo'P
Anbore	- no damage of cable or cord	ek Anboten Anb	Borel
5.10 (5.2.11)	External wiring passing into luminaire	otek Anbotek Anbotek	P
5.10 (5.2.12)	Looping-in terminals	Inbotek Ambotek Anbote	N P
5.10 (5.2.13)	Wire ends not tinned	Anbotek Anbotek Ant	N <sub>stodni</sub>
Anbore	Wire ends tinned: no cold flow	Aupon Au Potek	Ant Pret
5.10 (5.2.14)	Mains plug same protection	tek Anbottek Anbotek	Nipo
0. by	Class III luminaire plug	supporter Aubore	N P





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	IEC 60598-2-5		
Clause	Requirement + Test	Result - Remark	Verdict
Aupor	Arthur Aribe Aribe Aribe	Anbore Analysis	abores
	No unsafe compatibility	Anbotek Anbo	Nick
5.10 (5.2.16)	Appliance inlets (IEC 60320)	stek Anbotek Anbotek	N Anboth
poten An	Installation couplers (IEC 61535)	nboten Anbote	N prof
anbotek	Other appliance inlet or connector	Anbotek Anbo	stek N
Anbotek	Relevant IEC standard	Anbotek Anbound	Netoda
5.10 (5.2.17)	No standardized interconnecting cables properly assembled	Anbotek Anbotek	Aupolek
1.10 (5.2.18)	Used plug in accordance with	hotek Anbotek Anbotek	Noor
otek	- IEC 60083	wotek Anbotek Anbo	N N
Anso	- other standard	And otek Anbotek Anbo	N
5.10 (5.3)	Internal wiring	And tek anbotek A	P
5.10 (5.3.1)	Internal wiring of suitable size and type	Auga, Ak Potek	AribP

0. K	Through wiring	bo. Anbotek Anbote	Name
iupo, ak	- not delivered/ mounting instruction	Anbo, Ak Potek Aupo	N M
Anbore	- factory assembled	Anbor An hotek An	oo <sup>te</sup> N
Anbore	- socket outlet loaded (A)	Anbore K Ans worker	N day
k Aupote	- temperatures	(see Annex 2)	Nover
stek Anbr	Green-yellow for earth only	lotek Anboten Anbotek	Nabori
5.10 (5.3.1.1)	Internal wiring connected directly to fixed wiring	Anbotek Anbotek Anbot	ak P Anh
Aupolo	Cross-sectional area (mm²)	Anbore And	o <sup>ten</sup> P
Anbore	Insulation thickness	Anbores And otek	inbo'P'
Anborer	Extra insulation added where necessary	k Anbore And Orek	Neek
5.10 (5.3.1.2)	Internal wiring connected to fixed wiring via internal cur	rent-limiting device	Panbote
abotek Ar	Adequate cross-sectional area and insulation thickness	nbotek Anbotek Anbote	P Ant
5.10 (5.3.1.3)	Double or reinforced insulation for class II	Vupotek Vupotek Vu	mboteN
5.10 (5.3.1.4)	Conductors without insulation	Tek Vupotek Vupotek	An'N'res
5.10 (5.3.1.5)	SELV current-carrying parts	hbotek Anbotek Anbote	N





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	IEC 60598-2-5		
Clause	Requirement + Test	Result - Remark	Verdict
Aupo,	Ar tek inbote And ik potek	Anbo. A. sek	nbote
5.10 (5.3.1.6)	Insulation thickness other than PVC or rubber	Anbotek Anbotek	Anburek
5.10 (5.3.2)	Sharp edges etc.	te. And stek anbotek	P <sub>1/po</sub>
oten An	No moving parts of switches etc.	oboten And otek subote	PAR
Anbote <sup>K</sup>	Joints, raising/lowering devices	Anbotek Anbo tek nb	stelk N
Anbotek	Telescopic tubes etc.	anbotek Anbo. Anbo.	Nerode
nbotek	No twisting over 360°	Vuposek Vupos b	Bek
5.10 (5.3.3)	Insulating bushings:	tek anbotek Anbott	Nor
*6K - "	- suitable fixed	tek nbotek Anbote	N
o. b	- material in bushings	tek shotek Anbore	N
upo	- material not likely to deteriorate	Anbore Anborek Anbo	N
Aupor	- cables with protective sheath	Anbott Ar hotek Ar	ipote N
5.10 (5.3.4)	Joints and junctions effectively insulated	Anbore And Sofek	Anb N
5.10 (5.3.5)	Strain on internal wiring	ek Anbore Ansolek	Phote
5.10 (5.3.6)	Wire carriers	notek Anbotes Anbo	N
5.10 (5.3.7)	Wire ends not tinned	hotek Anbotek Anb	e⊬ N
-tek	Wire ends tinned: no cold flow	Are nbotek Anbo	Р

5.11 (8)	PROTECTION AGAINST ELECTRIC SHOCK	And stek anbotek	Aupo.
5.11 (8.2.1)	Live parts not accessible	rupo stek upotek	P/P
potek Anb	Basic insulated parts not used on the outer surface without appropriate protection	lotek Anbotek Anbotek	P <sub>A</sub> nbo <sup>1</sup>
Anbotek	Basic insulated parts not accessible with standard test finger on portable, settable and adjustable luminaires	Anbotek Anbotek Anbo	botek N
k. Anborek	Basic insulated parts not accessible with Ø 50 mm probe from outside, other types of luminaires	k Anbotek Anbotek	Anbotek Anbotek
otek Anbo	Lampholder and starterholders in portable and adjustable luminaires comply with double or reinforced insulation requirements	otek Anbotek Anbotek	N <sub>h</sub> bote Anb
Anbotek	Basic insulation only accessible under lamp or starter replacement	Anborek Anborek An	otek N
Am	Protection in any position	And Anbotek	P. P.
Pup	Double-ended tungsten filament lamp	And tek anbotek	PULN "
No. Vupo.	Insulation lacquer not reliable	ter Ann	Nipose
potek An	Double-ended high pressure discharge lamp	hbotek Anbor Anbore	N Anla





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-4ek	IEC 60598-2-5	And And And	Yan
Clause	Requirement + Test	Result - Remark	Verdic
Anbu	Delegative and a secondary to 2.0 40 fitted to the	Anbo tek anbotek	abo, N. al
Aupo.	Relevant warning according to 3.2.18 fitted to the luminaire	Aupo, Welk Williams	Vupple,
5.11 (8.2.2)	Portable luminaire adjusted in most unfavourable position	hotek Anbotek Anbotek	N
5.11 (8.2.3.a)	Class II luminaire:	Anbotek Anbotek Anb	otek N
Anborek	- basic insulated metal parts not accessible during starter or lamp replacement	Anbotek Anbotek	nb <sup>ote</sup> N
k Aupor	- basic insulation not accessible other than during starter or lamp replacement	tek Anbotek Anbotek	Anbo
otek Anl	- glass protective shields not used as supplementary insulation	botek Anbotek Anbotel	N
5.11 (8.2.3.b)	BC lampholder of metal in class I luminaires shall be earthed	Ambotek Anbotek Anbo	,botek
5.11 (8.2.3.c)	SELV circuits with exposed current carrying parts:	Anbotek Anbotek	Anb N. K
Pue	Ordinary luminaire:	And otek Anbotek	N
Her And	- voltage under load (V):	poter And tek anbotek	Nag
hotek l	- touch current:	Anborek Anbo	<sup>⊗</sup> <sup>k</sup> N
Anbotek	- no-load voltage:	Anborek Anbor An	o <sup>tel</sup> N
anbotek	Other than ordinary luminaire:	Anbotek Anbott Al	"N <sup>k</sup>
abotel	- nominal voltage:	ek abotek Anbotek	N
ek ab	Class III luminaire only for connection to SELV	rek abotek Anbotes	N
lootek P	Class III luminaire not provided with means for protective earthing	unbotek Anbotek Anbotek	<sup>9</sup> k N
5.11 (8.2.4)	Portable luminaire have protection independent of supporting surface	Anbotek Anbotek An	ote <sup>k</sup> N
5.11 (8.2.5)	Compliance with the standard test finger or relevant probe	k Anbotek Anbotek	Anbore
5.11 (8.2.6)	Covers reliably secured	otek Aupoten Aupo	N
5.11 (8.2.7)	Discharging of capacitors ≥ 0,5 μF	work Anbotek Anbot	N
otek	Portable plug connected luminaire with capacitor	Anbotek Anbotek Anbon	N N
Anbo	Other plug connected luminaire with capacitor	Anbotek Antotek Ant	N
Aupy	Discharge device on or within capacitor	Anby tek - nbotek	rupor N
AUDOL	Discharge device mounted separately	Aupo. Di.	ANN





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_telk	IEC 60598-2-5	An Anborek Anborek	No.
Clause	Requirement + Test	Result - Remark	Verdict
5.12 (12)	ENDURANCE TEST AND THERMAL TEST	ak Anbotek Anbotek	upo,
ak Anbo	If IP > IP 20 relevant test of (12.4), (12.5), (12.6) and specified in 5.13	12.7 after (9.2) before (9.3)	P
5.12 (12.3)	Endurance test:	Anbotek Anbo	PM
anbotek	- mounting-position:	As in normal use	_
anbotek	- test temperature (°C):	35°C	_
nbotek	- total duration (h):	240h	_
k apot	- supply voltage: Un factor; calculated voltage (V):	240x1.1=264V	
rak al	- lamp used	Integral LED module	
5.12 (12.3.2)	After endurance test:	Anbotek Anbotek Anbotek	P P
Anbotel	- no part unserviceable	Anbotek Anbo. tek	boteP
Anbotek	- luminaire not unsafe	k Anborek Anbo. Lek	- ab Pak
· nbote	- no damage to track system	rek anbotek Anbo	N
tek out	- marking legible	stek anbotek Anbotek	Р
**************************************	- no cracks, deformation etc.	rek abotek Anbots	, P
5.12 (12.4)	Thermal test (normal operation)	(see Annex 2)	Р
5.12 (12.5)	Thermal test (abnormal operation)	(see Annex 2)	pore N
5.12 (12.6)	Thermal test (failed lamp control gear condition):	Anbore of hotek	Aupole
5.12 (12.6.1)	Through wiring or looping-in wiring loaded by a current of (A)	tek Anbotek Anbotek	_
rek.	- case of abnormal conditions	tek nbotek Anbote	_
100, b	- electronic lamp control gear	Anbor Anborek Anbor	N
Anbox	- measured winding temperature (°C): at 1,1 Un:	Anbor ak abotek Ant	_
Anborek	- measured mounting surface temperature (°C) at 1,1 Un	ak Anbotek Anbotek	Anbo'N
ek nobo	- calculated mounting surface temperature (°C):	otek Anbotek Anbotek	N
-tolk	- track-mounted luminaires	stek Anbotek Anbote	N
5.12 (12.6.2)	Temperature sensing control	Anbotek Anbotek Anbot	otek N
Anbotek	- case of abnormal conditions:	Aupoter Aupo tek	_
Anbotek	- thermal link	Aupotek Vupo.	Nex
k vapo,	- manual reset cut-out	tek Anbotek Anbox	N
rek -	- auto reset cut-out	stek supotek Aupote	N
'/r by	- measured mounting surface temperature (°C):	Pupp of Potek Williams	N





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No.	IEC 60598-2-5	Arek anboter And	
Clause	Requirement + Test	Result - Remark	Verdict
Anb	- track-mounted luminaires	And hotek Anbotek	Niek Niek
5.12 (12.7)	Thermal test (failed lamp control gear in plastic lumina	aires):	N
5.12 (12.7.1)	Luminaire without temperature sensing control	Anbotek Anbotek Anbotek	N AT
5.12 (12.7.1.1)	Luminaire with fluorescent lamp ≤ 70W	Anbotek Anbotek Anb	stek N
Ann	Test method 12.7.1.1 or Annex W	And otek anbotek A	_
Anb	Test according to 12.7.1.1:	And stek anbotek	Aup
V VUDO.	- case of abnormal conditions:	otes, Wuponek	
otek Pu	- Ballast failure at supply voltage (V):	abotek Anto tek abotek	_
nbotek	- Components retained in place after the test	Anbotek Anbor Ali	Kek N
anbotek	- Test with standard test finger after the test	anbotek Anbote An	note N
abotek	Test according to Annex W:	Anbotek Anbote	N.K
- abote	- case of abnormal conditions:	ek abotek Anbote	
ek ek	- measured winding temperature (°C): at 1,1 Un:	tek photek Anboten	_
hotek	- measured temperature of fixing point/exposed part (°C): at 1,1 Un:	Anbotek Anbotek Anbotek	
Anbotek	- calculated temperature of fixing point/exposed part (°C)	Anbotek Anbotek An	_
Any hotel	Ball-pressure test:	See Table 5.15 (13.2.1)	AMP N
5.12 (12.7.1.2)	Luminaire with discharge lamp, fluorescent lamp > 70	W, transformer > 10 VA	AN anb
boiek p	- case of abnormal conditions:	botek Anboros Anbo	_
hotek	- measured winding temperature (°C): at 1,1 Un:	hotek Anborek Anbo	
Anbotek	- measured temperature of fixing point/exposed part (°C): at 1,1 Un	Anbotek Anbotek An	_
ek Aupois	- calculated temperature of fixing point/exposed part (°C)	ek Aupotek Aupotek	_
-10/4 N	Ball-pressure test:	See Table 5.15 (13.2.1)	N
5.12 (12.7.1.3)	Luminaire with short circuit proof transformers ≤ 10 VA	Anbotek Anbotek Anbote	otek N
Anbotek	- case of abnormal conditions:	Anboten Anbo tek	_
anbotek	- Components retained in place after the test	Pupotek Vupo.	Niek
k vapo,	- Test with standard test finger after the test	rek anborek Anbore	N
5.12 (12.7.2)	Luminaire with temperature sensing control	anbotek Anbotek Anbotek	N





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rotek.	IEC 60598-2-5	And And	Vo.
Clause	Requirement + Test	Result - Remark	Verdict
Aupo.	hotek Anbote And stek anbotek	Anbo ok batek	nbore
Anbore	- thermal link	Yes No	
ek Anbot	- manual reset cut-out:	Yes No	
-otek an	- auto reset cut-out:	Yes No	_
-otek	- case of abnormal conditions:	notek Anbotek Anbo	—
Anbotek	- highest measured temperature of fixing point/ exposed part (°C)::	Anbotek Anbotek Anb	_
Anbore	Ball-pressure test:	See Table 5.15 (13.2.1)	Nek
5.12.1 (-)	Reduction 10 °C of measured temperatures if for outdoor use	tek Anborek Anborek	Nootel
5.12.2 (-)	Glass covers used within the thermal limits	bore Am wotek Anbotes	Nanb
Anboren	Artice atek Anbotek Artice ak hotek	Anboren Anno stek anbe	Her P
5.13 (9)	RESISTANCE TO DUST, SOLID OBJECTS AND MOI	STURE	botek
5.13 (-)	If IP > IP 20 the order of tests as specified in clause 5.	12 anborek Anber sek	- alb Pel <sup>k</sup>
5.13 (9.2)	Tests for ingress of dust, solid objects and moisture:	tek Anbotek Anbot	_
atek no	- classification according to IP	IP65	
ek .	- mounting position during test:	As in normal use	_
Tupo, sek	- fixing screws tightened; torque (Nm):	Aupo, Wek Pupolek Wupo,	_
Anbo	- tests according to clauses:	Clause 9.2.2&Clause 9.2.6	
Vupo,	- electric strength test afterwards	Vipo, W. Spolek	Amb P K
Anbor	a) no deposit in dust-proof luminaire	Antio All All All	NP
Stell And	b) no talcum in dust-tight luminaire	Josek Anbors Ali	Punpo
nbotek A	c) no trace of water on current-carrying parts or SELV parts or where it could become a hazard	Anbotek Anbotek Anbot	ek P An
Anbotek	d) i) For luminaires without drain holes – no water entry	Anbotek Anbotek An	N.
Anbote.	d) ii) For luminaires with drain holes – no hazardous water entry	Anbotek Anbotek	An Nitek
in Die	e) no water in watertight luminaire	or Anbotek Anbotes	N
Pole N	f) no contact with live parts (IP 2X)	inbote Anbote Anbote	N bus
Anbores	f) no entry into enclosure (IP 3X and IP 4X)	Anbores And	of Of N
Anbore	f) no contact with live parts (IP3X and IP4X)	Anbotes And stek	nbot N
Anbotek wot	g) no trace of water on part of lamp requiring protection from splashing water	Anborek Anborek	AntBrek
brus.	h) no damage of protective shield or glass envelope	or Am otek Vupotek	N
5.13 (9.3)	Humidity test 48 h	Humidity: 93%	P Anh



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tek.	Anborek Anbore	IEC 60598-2-5	Anto tek anbotek	Anbor Ar.
Clause	Requirement + Test	Ans wotek Anbotek	Result - Remark	Verdict

5.14 (10)	INSULATION RESISTANCE AND ELECTRIC STREN	GTH Model Andrew	- bot
5.14 (10.2.1)	Insulation resistance test	hbotek Anbotek Anbote	P
Anbotek	Cable or cord covered by metal foil or replaced by a metal rod of mm Ø	Anbotek Anbotek Anb	_
Ann	Insulation resistance (MΩ):	And Lotek Anbotek A	
Augo	SELV	And otek anbotek	Pupb.
Anb	- between current-carrying parts of different polarity:	100ΜΩ	Poor
hotek An	- between current-carrying parts and mounting surface:	100ΜΩ	P Ant
Anbotek An	- between current-carrying parts and metal parts of the luminaire	100ΜΩ	,botelP
Anbore Anbore	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts:	ek Anbotek Anbotek	Anbotel
otek Anb	- Insulation bushings as described in Section 5:	potek Anbo. ek abotek	NARIO
nbotek	Other than SELV	anbotek Anbot ak bo	e <sup>N</sup> N p
abotek	- between live parts of different polarity:	nborek Anbors An	ote*N
abotek	- between live parts and mounting surface	Anborek Anbore Ar	N
, botel	- between live parts and metal parts	ak abotek Anbote	N tek
stek Anbi	- between live parts of different polarity through action of a switch	otek Anbotek Anbotek	Anbo
hbotek A	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts:	Anbotek Anbotek Anbot	otek N A
anboyek	- Insulation bushings as described in Section 5:	Aupolek Aupo rek	N'
5.14 (10.2.2)	Electric strength test	Anbotek Anbotek	Potek Anbotek
Vue. Vue.	Dummy lamp	oter And tek subotek	Nabo
poter Ar	Luminaires with ignitors after 24 h test	upotek Anbu tek upote	N PL
Anbotek	Luminaires with manual ignitors	Aupotek Aupo ek	otek N
anbotek	Test voltage (V):	anbotek Anbot An	_
Anbotek	SELV	k vupojek Vupos	Prek
ek apo,	- between current-carrying parts of different polarity:	500V	Puot
potek An	- between current-carrying parts and mounting surface:	500V	P



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	IEC 60598-2-5		
Clause	Requirement + Test	Result - Remark	Verdic
Aupore	And tek anborek Anbo k hotek	Anbote And	nborek
	- between current-carrying parts and metal parts of the luminaire	500V	Amborel
otek Ans	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts:	otek Anbotek Anbotek	N
'upo,	- Insulation bushings as described in Section 5:	Anbor Anb	N.
Anboro	Other than SELV	Anbore Am otek	upotek
Anbore	- between live parts of different polarity	Anbores Anbo	NON SH
k Anbo	- between live parts and mounting surface	ctek Anbotes Anbo	No
rek ar	- between live parts and metal parts	notek Anboten Anti-	N
hotek	- between live parts of different polarity through action of a switch	Anbotek Anbotek Anbo	N N
Anborek	- between the outer surface of a flexible cord or cable where it is clamped in a cord anchorage and accessible metal parts:	Anbotek Anbotek A	hoteN Anbotek
Vupo.	- Insulation bushings as described in Section 5:	lek Anbore Are motek	No
5.14 (10.3)	Touch current or protective conductor current (mA).:	Touch current: 0.01mA(limit:0,7mA)	Pan
/post	the stek upoten Ann ak abotek	Anbor Anbo	/er
5.15 (13)	RESISTANCE TO HEAT, FIRE AND TRACKING		potek_
5.15 13.2.1)	Ball-pressure test	See Test Table 5.15 (13.2.1)	Anbo <b>P</b> k
5.15 13.3.1)	Needle-flame test (10 s)	See Test Table 5.15 (13.3.1)	NA Na
5.15 13.3.2)	Glow-wire test (650°C)	See Test Table 5.15 (13.3.2)	P
5.15 13.4.1)	Proof tracking test (IEC 60112):	Anboth Anbotek An	oo <sup>tek</sup> N



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Ollpo	Day wolf Tagfold	Aribo	10	atek.	DAGDON D	P.C.	Ye	HOTOK
Clause	Requirement + Test	Anbor	ek a	upo.	Result - R	emark	boye	Verdict
5.7 (11.2)	TABLES: Creepage dista	nces and	clearan	ces	K and	Of OK	Aupose,	Norek
Table 11.1	Minimum distances (mm	) for a.c.	(50/60 Hz	z) sinusoi	idal voltag	jes	Aupore	N wo
RMS workin	g voltage (V) not exceeding		50	150	250	500	750	1000
Creepage o	distances	notek .	Anbo	ter b	'up	nbot	ek Ant	1010 PI
Required ba	asic insulation, PTI ≥ 600		0,6	0,8	1,5	3	4	5,5
Measured	abotek Anbote	View	stek -	anbotek	PUPO	rek	abotok	Anbore
Required ba	asic insulation, PTI < 600		1,2	1,6	2,5	5	8	10
Measured	ok hotek Anb	Die.	ntek atek	anbo	b	1,00,	Pr.	K -Anbor
Required su	pplementary insulation PTI	≥ 600	-	0,8	1,5	3	4	5,5
Measured	Anbor Ar. hotek	Anboten	PUD	rek-	anbotek	Popo,	- bu.	hotek-
Required su	pplementary insulation PTI	< 600	-	1,6	2,5	5	8	10
Measured	Anbore An Anterior	anb	Len -	Pupo	100	ek	Anbore	Vu.
Required re	inforced insulation		-	3,2	5	6	8	11
Measured	ootek Anbote And	rek	upotek	+upo	- Av	4910K	Aribore	Am
Clearances	botek Anboten Ar	up.	nbok	SK DL	100,	bi.	k Anbr	ye. Au
Required ba	asic insulation		0,2	0,8	1,5	3	4	5,5
Measured	Ans botek Anbotek	Anbo	lek	botek	Anboro	- Pur	motel+-	Anborek
Required su	pplementary insulation		-	0,8	1,5	3	4	5,5
Measured	And niek anbor	iek bi	you, -ok	Pr.	ek Ani	poře	Anu	- nbote
-	inforced insulation		-	1,6	3	6	8	11
Measured	unbotek Anbo	anbotek	Poporo	- Pr.	hotel	Antore	Anb	arek -
<b>Table 11.2</b>	Minimum distances (mi	m) for nor	n-sinusoi	idal pulse	e voltages	Anbo	Her bu	ibo rek
Rated pulse	voltage (peak kV)	2,0	2,5	3,0	4,0	5,0	6,0	8,0
Required cle		1,0	1,5	2	3	4	5,5	8
Measured	otek anbotek Anbo	Pr.	-botek	Anbore	- PL	Not.	vupotek	Fupore
Rated pulse	voltage (peak kV)	10	12	15	20	25	30	40
Required cle	earances	11	14	18	25	33	40	60
Measured	Anbo. Lek abotek	Arbole.	- VUN	-otel	anbotek	-4nb0	rek_	-nbotek
Rated pulse	voltage (peak kV)	50	60	80	100	-	-	-
Required cle	Aupor Air	/k/	ooter	Amb	1.75	otek	Anbo.	bi.
Hoguirod old	agrances	75	90	130	170	-	-	-



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100,	anbotek Anbotes	Ann	EC 60598-2-5	Anbor stek anbore	k Aupon	V. View
Clause	Requirement + Test	K WO	ek Anbotek	Result - Remark	otek Ant	Verdict

5.15 (13.2.1)	TABLE: Ball Pi	ressure Test of Thermo	plastics	otek Ant	otek	Anbores	Anbor Ambor
Allowed im	pression diame	ter (mm):	2mm	nbotek	Aupor	k he	
Object/ Part	No./ Material	Manufacturer/ trademark	Test tempera	ture (°C)	Impres	ssion diame	eter (mm)
Plastic cove	r pootek	A hore Am	75 Amboren	Anbo	1.02	abotek	Anbore
Anbo.	ek abotek	Anbore Ann	relt- Amborelt	Anbo	10	abotek	Aupore
Supplement	ary information:	Anbore. And	otek onbo	itek Anb	o.	abotek.	Anbore

5.15 (13.3.1)	TABL	E: Needle-flame test (IE	C 60695-11-5)			rek N
Object/ Pa Material	rt No./	Manufacturer/ trademark	Duration of application of test flame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdict
-rr br.	notek	Amboren Amb	nbotek Anbo	K Notek	Anborer	- PUP
0,00 V	-otek	Anbotek Anbo	ek shotek Ar	Note: No	Anbotek	Pup
Supplemer	ntary info	rmation:	tek abotek	Anborek Anbo	work Anbo	lek b

5.15 (13.3.2) <b>TABL</b>	E: Glow-wire test (IEC	606	95-2-1	1) Anbotek			Ambo PK
Glow wire tempera	ature		:	650°C	Anburgek	nbotek	_
Object/ Part No./ Material	Manufacturer/ trademark		арр	Duration of lication of test ame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdict
Plastic cover	otek Anbotek	Aupo	30s	abotek	No	0s	Pass
	g of the sample exting en drop did not ignite t						Yes
Supplementary info	Yes.	W.	acriyii	ig parto (103/H	and the second second	Anbotel	Antoten

5.15 (13.4) <b>TABLE: Proof t</b>	racking test (IEC 6011	2) bolek	Anbor	abote	k Anbor	N Po
Test voltage PTI	:	175 V	Pupo,	ok op	otek Ant	
Object/ Part No./ Material	Manufacturer/ trademark		50 drops won three spe	rithout failure ecimens	e on three	Verdict
ek nbotek Anbore	An hotek Anbot	- AUD	Nek-	anborek	Aupor	- Note
Supplementary information:	An work an	potek p	'upo	abotek	Anbore	Vien





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100,	Anborek Anbore	bu.	IEC 60598-2-5	Anbo	abotek	Anbore	"K bu
Clause	Requirement + Test	k bus	otek Anbotek	Result - Rem	nark	Anho.	Verdict

ANNEX 1 T	ABLE: Critical componer	nts information	n And		ipo, b
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>
Supply cord	JIANGMEN GOMENTECH ELECTRICAL CO.,LTD.	H05RN-F	3X0.75mm²	Anborek	VDE
Internal wire	APPLIANCE WIRING MATERIAL	2468	20AWG 200°C 300V	UL 758	UL E209489
Plastic of terminal	COVESTRO DEUTSCHLAND AG [SPECIALITY FILMS]	BL(b)(p) 820812	VTM-2 80°C	UL94	UL E168120
LED & Ant	Hung li optoelectronics co., Ltd.	2835	6V 1W	Anbotek	Test with appliance
LED PCB	Xingxin Photoelectric Co., Ltd.	SDY-D1	V-0, 130°C	Aupo	Test with appliance



			AT STEKE	C 60598-2-	5				
Clause	Requireme	ent + Test	Yupo Pupo	k anbot	ek.	Result	- Remark	abotek Ar	Verdict
Anbo.	Pro-	anbore	Pur	stell co	potek	Anl	00.	hotek	nbole
ANNEX 2		Temperature		Mari	MO.	ts of Se	ction 12	Am	Prek
arbote Anbote		erence				BK02-2	200W	Anb	_
otek ant	Lamp us	ed	- obotek	- pobore	Pis.	LED	Anbor	Sir Augo	a —
wotek !	Lamp co	ntrol gear use	d	Aupose.	: 1	"Us.	K An	potek Anbo	—
	Mounting	position of lu	minaire	, poboti	<u>:</u>	As in n	normal use	Anbotek Ani	<u> </u>
Ann	Supply w	attage (W)	10k	100,	0,00	212.5V	V	anbotek	P
Ann	Supply co	urrent (A)		John War	hupose.	0.831A	rup Otek	Anbotek	_
And		ed power facto				300	Aug	k onbotek	_
otek Anb		easured temp	1201	Die		°C:	PAR		
inposek b	- abnorm	al operating n	node	p.p.o	۴. :	-Anbote	,c —		
anboteli	- test 1: r	ated voltage.	Anbotes		NoV.	Anbotek Anbo			_
Anbotek		,06 times rate				240x1.	.06=254.4	V Anborek	_
stek Anbo		oad on wiring or 1,05 times v				hotek	Anbotel	Anbotek	_
hbotek Ar		,1 times rated				Anbotek	ek Aup.	potek Anbo	· —
Anborek		wiring or loop f A during the				Aupo	hotek	Anbotek A	<u> </u>
Anbotek			Tem	perature me	easur	ements	, (°C)		
•			Claus	e 12.4 – nor	mal			Clause 12.5 -	- abnorma
Part		Test 1	test 2	test 3	te	est 3	limit	test 4	limit
Supply cord	Anbote.	Ann	36.3	Papo.	7/	bu.	105	nbote Ann	-ok
Internal wire	anbotek	Anbore	49.4	Anbo	27	- buon	105	inbotek A	
terminal	Anbot	ek _ Anbols	41.7	otek - pr	potek	bu	130	nbotek	Anbore
Plastic cover		potek - And	47.5	notek_	Aupor		105	k.	Aupole
Metal enclos	ure	abotek	41.4	NO POK	anl	00701	Ref.	rek - abotek	Anb
Mounting sur	face	Dr. Otek	27.8	Pupp.		habotek.	90	D	10k P

#### **Shenzhen Anbotek Compliance Laboratory Limited**

Supplementary information:



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tek.	Anborek Anbore	IEC 60598-2-5	Anto tek anbotek	Anbor An
Clause	Requirement + Test	Ans wotek Anbotek	Result - Remark	Verdict

ANNEX 3	Screw terminals (part of the luminaire)		Note
(14)	SCREW TERMINALS	botek Anbotek Anbo	N
(14.2)	Type of terminal:	hotek Anbotek Anbo	_
Pres Potek	Rated current (A):	Anbotek Anbotek Anb	_
(14.3.2.1)	One or more conductors	And hotek Anbotek A	N.K
(14.3.2.2)	Special preparation	k work anborek	Nubbo
(14.3.2.3)	Terminal size	And Anbotek	N
Pote, by	Cross-sectional area (mm²):	poter And otek Anbotek	_
(14.3.3)	Conductor space (mm):	Anbotes Anb	ISK N P
(14.4)	Mechanical tests	Anbotek Anbo tek	Netod
(14.4.1)	Minimum distance	Anborek Anbo	NX
(14.4.2)	Cannot slip out	k Anbotek Anbo	Note
(14.4.3)	Special preparation	otek unbotek Anbott	N
(14.4.4)	Nominal diameter of thread (metric ISO thread):	tek abotek Anbote	N
<sup>rupo</sup>	External wiring	inbo sek abotek Anbo	N
Anbo	No soft metal	Anbo, Lak abotek Ar	o N
(14.4.5)	Corrosion	Anbor ok An borek	Arth N
(14.1.6)	Nominal diameter of thread (mm):	k Aupolin K Potek	Notes
STEK Ant	Torque (Nm):	stek Anbore And sotek	Nanbo
(14.4.7)	Between metal surfaces	botek Anbote And	× N
hotek	Lug terminal	botek Anboten Anto	<sub>stek</sub> N
Vi. Polek	Mantle terminal	Anbotek Anbotek An	N
Ame	Pull test; pull (N):	An Lotek Anbotek	Anbo N
(14.4.8)	Without undue damage	And sek aborek	MA



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VUr.	IEC 60598-2-5	An tek stotek Ar	100.
Clause	Requirement + Test	Result - Remark	Verdict
ANNEX 4	Screwless terminals (part of the luminaire)	sk Anbotek Anbotes	Ambores N
(15)	SCREWLESS TERMINALS	bo. Yupotek Vupotek	N
(15.2)	Type of terminal:	Into tek nbotek Anbot	_
Aupor	Rated current (A):	Pupo, Yek upotek Pul	_
(15.3.1)	Material	Antion All abotek	pribot N
(15.3.2)	Clamping	Vupor Windowsky	ALIN
(15.3.3)	Stop March	otek Anbore An Hotek	Noo
(15.3.4)	Unprepared conductors	abotek Anbote, And	N N
(15.3.5)	Pressure on insulating material	abotek Anboren Anb	Nek N
(15.3.6)	Clear connection method	Anborok Anborok Ank	N
(15.3.7)	Clamping independently	Lotek Anbotek	N
(15.3.8)	Fixed in position	k hotek Anbotek	Amb N
(15.3.10)	Conductor size	And And otek anbotek	N
rek An	Type of conductor	bosek Anbo stek Anbose	Nan
(15.5.1)	Terminals internal wiring	Anbotek Anbo	ole N
(15.5.1.1)	Pull test spring-type terminals (4 N, 4 samples):	Aupotek Aupo, Wek	obe <sup>N</sup> N
(15.5.1.2)	Pull test pin or tab terminals (4 N, 4 samples):	anbotek Anbor A	N/F
abote	Insertion force not exceeding 50 N	ek anbotek Anbore	N
(15.5.1.2)	Permanent connections: pull-off test (20 N)	rek abotek Anbote	N
(15.5.2)	Electrical tests	bor Abotek Anbore	N
lbo,	Voltage drop (mV) after 1 h (4 samples):	Anboa Anbo	N
Anbore	Voltage drop of two inseparable joints	Anbore An Botek A	N
Anbore	Number of cycles:	Anbore And wotek	_
ak Anboro	Voltage drop (mV) after 10th alt. 25th cycle (4 samples):	ek Anbottek Anbotek	Andhre
potek p	Voltage drop (mV) after 50th alt. 100th cycle (4 samples)	nbotek Anbotek Anbotek	N.
Anbotek	After ageing, voltage drop (mV) after 25th alt. 25th cycle (4 samples)	Anbotek Anbotek An	otek N
Anbotek	After ageing, voltage drop (mV) after 50th alt.  100th cycle (4 samples)	k Anbotek Anbotek	unbotel
(15.6)	Terminals external wiring	stek anbotek Anbote	N
otek	Terminal size and rating	otek anboten Anbote	N
(15.6.1)	Conductors	Imbo, Mr. Polek Wupor,	N



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VU.		otek ar	1001	bre.	IEC 605	98-2-5	And	. A	27076	ik Ant	0,
Clause	Requirement + Test			Resu	lt - Rema	rk	ofek.	Verdict			
Pupote,	-	Terminal size and rating				tok.	Pupote.	V An	- Of Cit	Ann	
45.00 Ambo		Pok.	rating	stek.	Anboro	P.L.	hotek	Anborr	31-	Anbe Siek	N
15.6.2	100,	Mechanical tests			'U'	Ant	otek	Anbo	7		
(15.6.2.1)	Pull t (4 sa	Pull test spring-type terminals or welded connections (4 samples); pull (N):				linb.	3el4	Anbotek	Aupo,	otek N A	
(15.6.2.2)		est pin or tal N)				Anbo Anbotek	. P.				mboteN
k Aupor		est pin or tal				Anbo	rek	Anboro	Yr Par	nbotek	ALUAN
(15.6.3)	2.7	rical tests	Purpo	otek	Anbore	PZ PZ	Jo Je	P//-	otek	Anboien	N
-/r 	Tests	according	15.6.3.1 +	15.6.3	.2 in IEC	60598-1	bupose	ok bos	hotek	Anborel	N Pag
(15.6.3.1) (15.6.3.2)	Tests according 15.6.3.1 + 15.6.3.2 in IEC 60598-1  TABLE: Contact resistance test / Heating tests					botek	Aupotek	Anbr	N hotek		
Anbotek	Volta	ge drop (m\	/) after 1 l	1 1	"pole	burn	ek	Anbotek	AUD	+ek	_
terminal		1	2	3	4	5	6	7	8	9	10
voltage drop	(mV)	Anbo	·	notek	Arbore	As	401-	nb	Jek	Aup.	
rek.	abotek	Voltage dro	p of two i	nsepara	able joints	Steel	PUP.	3K	abotek	Anbote	N
upo,	200	Voltage dro	p after 10	th alt. 2	25th cycle	nbotek	Vupo.	, ek	aborek	Pupo	N
Anbor	P	Max. allowe	ed voltage	drop (	mV)	, hotek	PU	o, colk	, boo	iek Pi	_
terminal	~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	1	2	3	4	5	6	7	8	9	10
voltage drop	(mV)	hotek	-Anboli		740 461		otek-	Vupo.	7/ h.	2010/F	Aleboh
rek Anb	O. C.	Voltage dro	p after 50	th alt. 1	100th cyc	е	abolek	Aupo	V.	hop hotek	Not
boiek p	upoter	Max. allowe	ed voltage	drop (	mV)		abole.	k by	bota	PUD - OF	_
terminal		1	2	3	4	5	6	7	8	9	10
voltage drop	(mV)	por _ P	-tek		otek-	Aupo	V	hotek	E por	- bu	-1 <del>6</del> /c
Anv Lotel	-	Continued	ageing: vo	oltage d	Irop after	10th alt. 2	25th cyc	le "atek	anl	potek	N.
Pup	tek	Max. allowe	7007		PD.	2.0	O'C'	Rup.	ek	anbotek	
terminal		1	2	3	4	5	6	7	8	9	10
voltage drop	(mV)	ak -abo	P	upo		notek	Apboro	by,	-Jek	-nbote	1
Anbolek	Pupor.	Continued	ageing: vo	oltage d	Irop after	50th alt.	100th cy	cle	Vupo,	K ".	o <sup>tell</sup> N
Anbotek	PUL	Max. allowe	, U		- Co	DUDO.		nbotek	Anbore	PII.	_
terminal		1	2	3	4	5	6	7	8	9	10
voltage drop	(mV)	Pup.	<u></u>	yek_	Aupor	- bis.	Non.	- nbot	1	v	
100	- Mar	ormation:	PUL	Yo.	hor	SK P	Upo,	57,	18/6	appoier	PUD.





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4	GENERAL REQUIREMENTS		-ok-
4.4	Integral modules tested assembled in the luminaire	Anbotek Anbotek An	oo P
4.5 Anbote	Independent modules complies with requirements in IEC 60598-1	olek Anbotek Anbotek	Anthrek
VUD.	ak hotek Anbar atek	abores Arms ok bořek	Vupo,
5	GENERAL TEST REQUIREMENTS		k - bu
5.5	SELV-operated LED modules comply with Annex I of IEC 61347-2-13	(see Annex 1)	otek N
Anbo	General conditions for tests in Annex A	(see Annex A)	N rodu
Vupo.	CLASSIFICATION	tek Aupo kek	Pupole
6			nodn-
otek an	Built-in module	Yes No 🗵	_
work.	Independent module:	Yes No	_
" otek	Integral module	Yes No	_
Anbotek	For Integral module; Note to 1.2.1 in IEC 60598-1 applies.	ek Anbotek Anbotek	_
-both	And Andrew Andrew	ak aboten And	Anbote
7	MARKING	20° D	- NO
NOTOK .	Requirements not applicable to the evaluated prod	uct.	Nation
8	TERMINALS	Mr. How	botek_
abotek	Screw terminals according section 14 of IEC 60598	3-1: Anbotek Anbot	N/-
	Separately approved; component list	(see Annex 2)	N Notel
ok to	Part of the luminaire	(see Annex 3)	N
r bin	Screwless terminals according section 15 of IEC 6	0598-1:	Nucci
pore P	Separately approved; component list	(see Annex 2)	N P
Anbores	Part of the luminaire	(see Annex 4)	ootek N
Anbotek	Connectors according IEC 60838-2-2:	anbores Anbo.	bo'N'
Anbotel	Separately approved; component list	(see Annex 2)	Nek
70. Yo	stek Aupolog Aug	ok hotek Anbors	P2/4
9 (9)	PROVISION FOR PROTECTIVE EARTHING		- Anti
- (-)	Requirements not applicable to the evaluated product.		
DOLL D	Requirements not applicable to the evaluated prod	dot.	-76
Anbotek	PROTECTION AGAINST ACCIDENTAL CONTAC	upotek Aupo, W.	otek hotek
Anbotek	Aupo, M. Motek Moote, Mun	CT WITH LIVE PARTS	N <sub>e</sub> k
10 (10)	PROTECTION AGAINST ACCIDENTAL CONTAC	CT WITH LIVE PARTS	N <sub>o</sub> k

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in otek	For basic insulation $\geq 2 \text{ M}\Omega$	100ΜΩ		P
Yun Otek	For double or reinforced insulation $\geq$ 4 M $\Omega$	Anti	Anbotek An	N
Anbotek Anbotek	Between primary and secondary circuits in controlgear providing SELV, values in Annex L in IEC 61347-1	rek Anbotek	Anbotek Anbotek	Anborek

12 (12)	ELECTRIC STRENGTH				
Anbotek	Immediately after clause 11 electric strength test for 1 min	Anbotek Anbotek An	otek P	P	
Aupo.	Basic insulation for SELV, test voltage 500 V	500V	Aupore P		
Anbo	Working voltage ≤ 50 V, test voltage 500 V	rek Anbo ek abotek	Nous	V	
SK Mupe	Working voltage > 50 V ≤ 1000 V, test voltage (V):	hbotek Anbourek	Noo	10.	
ootek A	Basic insulation, 2U + 1000 V	Anbotek Anbo. Lek abote	K N <sub>ps</sub>	hoo	
nbotek	Supplementary insulation, 2U + 1000 V	Anbotek Anbott All	otek N	P.	
abotek	Double or reinforced insulation, 4U + 2000 V	anbotek Anbote An	N/sote		
abotek	No flashover or breakdown	ek spotek Anbore	Pek	X	
k Aupo	Solid or thin sheet insulation for double or reinforced insulation fulfil the requirements in Annex N in IEC 61347-1	hotek Anbotek Anbotek	Anbor Anbor	loo'	

13 (14)	FAULT CONDITIONS				
- (14)	When operated under fault conditions the controlgear:				
Anbotek	- does not emit flames or molten material	ek Aupoten Yupo	N		
Anbotek	- does not produce flammable gases	otek Anbotek Anbo	Notek		
stek Anbo	- protection against accidental contact not impaired	inbotek Anbotek Anbotek	N		
hotek A	Thermally protected controlgear does not exceed the marked temperature value	Anbotek Anbotek Anbo	ek N Ant		
Anbotek Anbotek	Fault conditions: capacitors, resistors or inductors without proof of compliance with relevant specifications have been short-circuited or disconnected	(see appended table)	Anbotek Anbotek		
- (14.1)	Short-circuit of creepage distances and clearances if less than specified in clause 16 in Part 1 (except between live parts and accessible metal parts)	(see appended table)	N.bot		
Anbotek	Creepage distances on printed boards less than specified in clause 16 in Part 1 provided with coating according to IEC 60664-3	ek Anbotek Anbotek An	Inbotek Linbotek		
- (14.2)	Short-circuit or interruption of semiconductor devices	(see appended table)	N Anbotel		
- (14.3)	Short-circuit across insulation consisting of lacquer, enamel or textile	(see appended table)	N Anbe		





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- (14.4)	Short-circuit across electrolytic capacitors	(see appended table)	N	
- (14.5)	After the tests has been carried out on three samp	lles: Anbotek Anbotek An	N	F
Aupo	The insulation resistance $\geq$ 1 M $\Omega$	Anbo tek anbotek	Aupo, N	i.
Anbo	No flammable gases	telek Vupo, bek upolek	AMN TO	
Sk Vupe	No accessible parts have become live	Motek Anbour Ak spotek	N/po	N.
Dojek V.	During the tests, a five-layer tissue paper, where the test specimen is wrapped, does not ignite	Anbotek Anbotek Anbot	K N pr	nbo
- (14.6)	Relevant fault condition tests with high-power supply	k Anbotek Anbotek Ant	N	P
13.2 Marie 1	Overpower condition	otek Anbotek Anbo	Bek	
k vupo	Module withstands overpower condition >15 min.	otek Anbotek Anbotek	P	rek
otek Ar	Module with automatic protective device or power limiter, test performed 15 min. at limit.	Anbotek Anbotek Anbote	N	ipo
Inposes.	No fire, smoke or flammable gas is produced	Anbotek Anbo sek ob	otel <sup>k</sup> P	P.C
Anborek	Molten material does not ignite tissue paper, spread below the module	Anbotek Anbotek A	nbote P	

00	15	CONSTRUCTION				Anbotek
10		Wood, cotton, silk, paper and similar fibrous material not used as insulation	Anbotek Anbotek	Anborek	Anbotek	Panbot

16 (16)	CREEPAGE DISTANCES AND CLEARANCES		botek
- (16)	Creepage and distances and clearances in compliance with IEC 61347-1	k Anbotek Anbotek	AupoN <sub>K</sub>
VUD	Insulating lining of metallic enclosures	ster Anbotek	N
stek Anb	Basic insulation on printed boards tested according to clause 14	inbotek Anbotek Anbotek	N.nbo
Anbotek	Distances subjected to both sinusoidal voltage as non-sinusoidal pulses not less than value in Table 16	Anbotek Anbotek Anbotek Ar	potek N
Anbotek	Creepage distances not less than minimum clearance	tek Anbotek Anbotek	Anborek Anborek
16 (-)	Conductive accessible parts in compliance with applicable parts of IEC 60598-1	potek Aupotek Aupotek	Nabote
17 (17)	SCREWS, CURRENT-CARRYING PARTS AND C	ONNECTIONS	r = bu.
Anbotek	Screws, current-carrying parts and connections in conclusion (clause numbers between parentheses refer to IEC)		obotek

18 (18)	RESISTANCE TO HEAT, FIRE AND TRACKING		VUpp.
- (18.1)	Ball-pressure test	See Test Table 18 (18.1)	N
- (18.3)	Glow-wire test (650°C)	See Test Table 18 (18.3)	N Anb





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- (18.4)	Needle-flame test (10 s)	See Test Table 18 (18.4)	N N	
- (18.5)	Proof tracking test	See Test Table 18 (18.5)	N	
Aupo.	stek anbote Alli	Ando	Anboro	
19 (19)	RESISTANCE TO CORROSION		(n <del>bot</del> e	
anboth	- test according 4.18.1 of IEC 60598-1	Lotek Anboten Anbo	N	
otek an	- adequate varnish on the outer surface	otek Anbotek Anbo	N	
. AL	cotek Anbo, Anbore	Ant k notek Anbo	P	
20	INFORMATION FOR LUMINAIRE DESIGN		otek_	
Anbore	Information in Annex D (informative)	Anboile And otek	_	
abotek	August Au	vek nbotes And	hotek	
21	HEAT MANAGEMENT		PU.P.	
21.1	General	nbo Anbotek Anbote	N	
Or bu	Exchangeability is safeguarded by cap or base	Anbor Ar hotek Anbore	N	
21.2	Heat-conducting foil and paste	Anbore K hotek Ant	N.	
Anborek	Heat-conducting foil delivered with the module if necessary	Anbotek Anbotek	nbote N	
22	PHOTOBIOLOGICAL SAFETY			
22.1	UV radiation	abotek Anbu. K kote	N	
botek p	Luminous radiation not exceed 2mW/klm	abotek Anbotek Anb	e <sup>k</sup> N	
22.2	Blue light hazard	Anborek Anboren Ano	N <sup>4</sup> e <sup>4</sup> N	
-potek	Assessed according to IEC TR 62778	ok storek Anbores P	N	
22.3	Infrared radiation	ok hotek Anbotes	Ambo N	
r 200	Requirements for infrared radiation when required	core Anbotek Anbotek	PN	
ia. Viii.	ok botek Anbo stek	Anbore Ann ak boter	An	
A	ANNEX A - TESTS		ek _	
Anbotek	All tests performed in accordance with the advice given in Annex H of IEC 61347-1, if applicable	Anbotek Anbotek A	potekP	
Mupo.	stek anbore Arreak hotel	Ando stek	Anbore	
	ANNEX 1 - SELV-operated LED modules		Vupo <sub>le</sub>	
y abo	SELV-operated LED modules in compliance with A	nnex I of IEC 61347-2-13	N	



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Clause	Requirement + Test	Result - Remark	Verdict
ok hote	Anborek Anb	of Andrew Ambries	PUP
N. Die	CENELEC COMMON MODIFICATIONS (EN)	inpose we potek auposes	- AUD
upoter Aug	notek Anboten Ankon sek nbotek	Anboren Anbo	Yer I
5.5 (3)	MARKING	Aupores Aug Motek Ar	hbotek_
5.5 (3.3.101)	For luminaires not supplied with terminal block: Adequate warning on the package	Anbotek Anbotek	Anboten P
ek abotel	Anbore And Lotek Anborek Anb	tek abotek Anbore	Vien
5.6 (4)	CONSTRUCTION	house at the state Authories	- Vuga
5.6 (4.11.6)	Electro-mechanical contact systems	Anbore Amborek Anbor	N
Anbore A	notek Anboret Anti-	Anbore & Ance Motek An	poter
5.10 (5)	EXTERNAL AND INTERNAL WIRING	Anbotes And Motek	Aupotek
5.10 (5.2.1)	Connecting leads	tek Auporen Aug	Art N tex
ak Anborel	- without a means for connection to the supply	batek Anboiek Anbo	Napo
otek Anbo	- terminal block specified	hotek Anborek Anbo	N
notek A	- relevant information provided	botek Anbotek Anbo	nek N
Aupotek Aupotek	- compliance with 4.6, 4.7.1, 4.7.2, 4.10.1, 11.2, 12 and 13.2 of Part 1	Anbotek Anbotek An	anbot P
5.10 (5.2.2)	Cables equal to EN 50525	ek Anbor ok hotek	AntiPress
Anboro	Replace table 5.1 – Supply cord	polek Anbolo K Arm notek	Phot
Jotek Anbo	Anbotek Anbotek Anbo	abotek Anbore And	K DO
5.12 (12)	ENDURANCE TESTS AND THERMAL TESTS	botek Anbote And	ovek —
5.12 (12.4.2c)	Thermal test (normal operation) see footnote c to table 12.2 relating to unsleeved fixed wiring	Anbotek Anbotek Ance	nbotek P
k abotek	Anbore Antek topotes Ante	stek nbotek Anbote	p.m. wolf
ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (I	EN) Anborek Anbore	VUL
(3.3)	DK: power supply cords of class I luminaires with label	Arbotek Arbotek Arbote	N <sup>Ami</sup>
(4.5.1)	DK: socket-outlets	abotek Anbote And	NV
(5.2.1)	CY, DK, FI, GB: type of plug	k botek Anbote A	Ny
Di.	hoter And And rek anbor	Al. Poles	And







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Anbotek	Attachment 2: EUROPEAN GROUP DIFFERENCE according to EN 60598-2-5:2015 an		anbotek
Clause	Requirement + Test	Result - Remark	Verdict
'd- Yo-	oter Anbo	Arr. Spoter Anbo	
	FR: Safety requirements for high buildings		And
Anbotek Anbotek	(Arrêté du 30 décembre 2011 portant règlement immeubles de grande hauteur et leur protection panique; Section VIII; Article GH 48, Eclairage)  Glow-wire test for outer parts of luminaires:		nbotek Anbotek
lek Pupo	- 850°C for luminaires in stairways and horizonta travel paths	all Anbotek Anbotek	N <sub>Anb</sub>
potek A	- 650°C for indoor luminaires	Anbotek Anbo stek anbo	Kelle N P
Anbotek	GB: Requirements according to United Kingdom Building Regulation	Anbotek Anbotek Ar	hotek N



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#### **Attachment 3: Photo documentation**





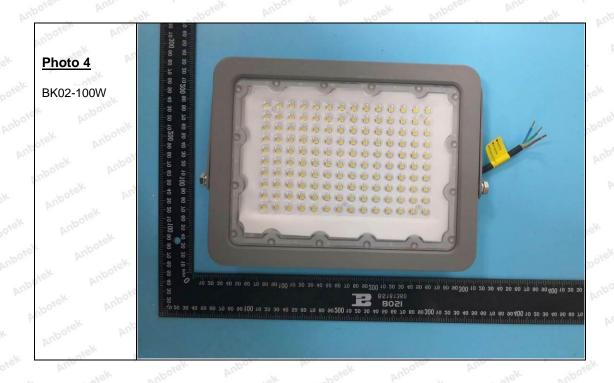




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#### **Attachment 3: Photo documentation**







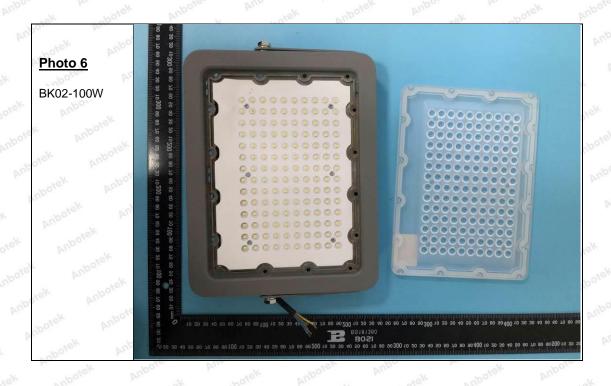




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#### **Attachment 3: Photo documentation**



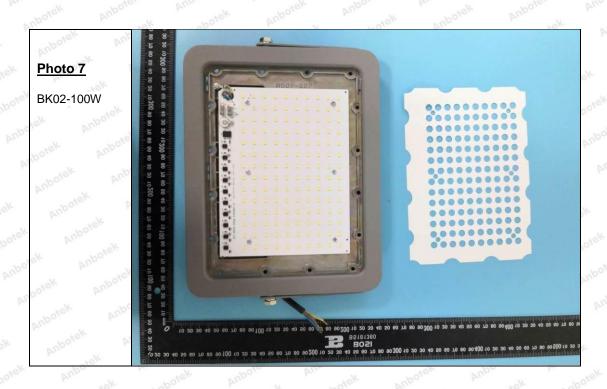


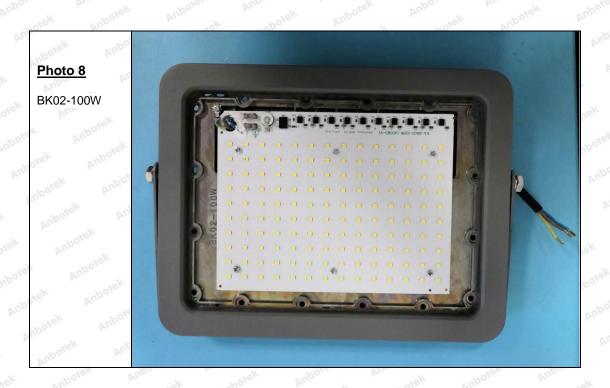




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#### **Attachment 3: Photo documentation**





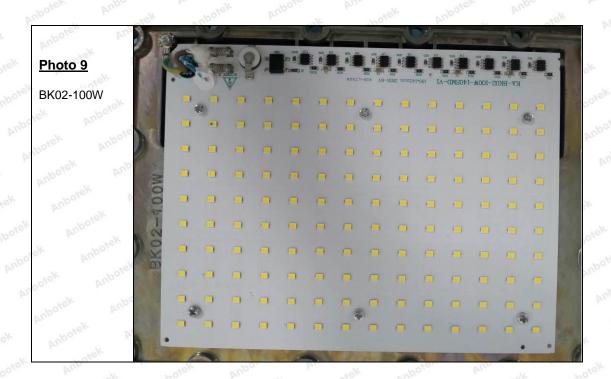






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#### **Attachment 3: Photo documentation**



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