

TEST REPORT

Report Number. HA0121010209LE

Town, Nanhu District, Jiaxing City, Zhejiang Province.

Name of manufacturerSame as applicantAddress of manufacturerSame as applicantName of factory (ies)Same as applicantAddress of factory (ies)Same as applicant

 Product Name
 Bulb

 Trade Mark(s)
 N/A

ND-07 XX, ND-13 XX, ND-20 XX, ND-21 XX

xx: Stand for 5-250W

Ratings AC 220-230V, 50/60Hz, Max.150W; IP20, Class II

Standard Luminaires Part 2: Particular requirements:

Section Six – Luminaires with built-in transformers or convertors for

filament lamps

EN 60598-2-6: 1994 + A1: 1997 used in conjunction with

EN 60598-1: 2015 + A1: 2018

IEC 60598-2-6:1994+A1:1996 used in conjunction with

IEC 60598-1:2014 + A1: 2017

Date of Receipt sample...... January 17, 2021

 Date of issue
 January 29, 2021

 Test Report Form No.....
 HATEK60598_2_6A

Test Result Pass*

*Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and reviewer.

Prepared By: Ningbo HATEK Co., Ltd.

6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China Tel: +86-574-87171888 E-mail: info@hatek.com.cn

Prepared by:

Judy Mei

Judy Mei/ Project Engineer



Miranda No / Technical Manager



Summary of testing:

From the result of our inspection and tests on the submitted samples, we conclude that they comply with the requirements of the standards.

Determination of the test result includes consideration of measurement uncertainty from the test equipment and methods.

Tests performed (name of test and test clause):

Full tests on ND-04 150W.

Construction check is performed on all the models. The product complies with the safety requirements.

Testing location:

Testing Laboratory name: Ningbo HATEK Co., Ltd. Address: 6F, No. 65, Mujin Road, National Hi-Tech Zone, Ningbo, Zhejiang 315013, China

Summary of compliance with National Differences:

N/A.

Copy of marking plate:

MODEL: ND-04 150W

AC 220-230V 50/60Hz 150W

CE





IP20 MADE IN CHINA

JIAXING NOMOY PET PRODUCTS CO., LTD.

Second floor of second north building of Lianhua Road, Fengqiao Town, Nanhu District, Jiaxing City, Zhejiang Province.

The label is representative, other models have the same except model name and rated wattage.

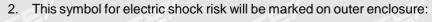
Series number: XXXXXX

Importer:

Name: XXXXXX Address: XXXXXX

Remark:

1. "Manufacture or/and his importer shall ensure product bears label requirements in article 6 and article 8 of the 2014/35/EU relate to name, batch number, post address prior place the product into EU market."







Test item particulars	Filament lamps
Classification of installation and use:	Class II for normal indoor use
Supply Connection	Self-balasted filament lamps(E27 cap)
Possible test case verdicts:	- et et
- test case does not apply to the test object:	N/A
- test object does meet the requirement:	P (Pass)
- test object does not meet the requirement:	F (Fail)

General remarks:

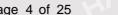
The test results presented in this report relate only to the object tested.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory. "(See Enclosure #)" refers to additional information appended to the report.
"(See appended table)" refers to a table appended to the report.
Throughout this report a comma (point) is used as the decimal separator.

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

General product information:

- The samples are Class II filament lamp. It is suitable for indoor use.
 Rated voltage and frequency: AC 220-230V, 50/60Hz
- 3. ND-01 XX, ND-02 XX, ND-03 XX, ND-04 XX, ND-05 XX, ND-06 XX, ND-07 XX, ND-13 XX, ND-20 XX, ND-21 XX are the same except for model name.
- 4. xx stand for 5-150W
- 5. After review, model ND-04 150W was selected to conduct full tests. Other models were conducted construction review.





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41	IEC 60598-2-6	41 41	
Clause	Requirement + Test	Result - Remark	Verdict
<u> </u>	HI HI HI		141
6.2 (0)	GENERAL TEST REQUIREMENTS		
6.2 (0.1)	Information for luminaire design considered	Standard Yes ⊠ No □	\
64.2 (0.3)	More sections applicable		\
	et et	et et	
6.4 (2)	CLASSIFICATION	11 JAN 1	Р
6.4 (2.2)	Type of protection (Class 0 excluded):	Class II	\
6.4 (2.3)	Degree of protection (Requirement: Ordinary):	IP20	\
6.4 (2.4)	Luminaire suitable for direct mounting on normally flammable surfaces:	Yes No 🖂	\
EL	Luminaire not suitable for direct mounting on normally flammable surfaces:	Yes □ No ⊠	\
6.4 (2.5)	Luminaire for normal use:	Yes No 🗌	\
	Luminaire for rough service:	Yes No 🗆	\
	et et	set set	
6.5 (3)	MARKING		P
6.5 (3.2)	Mandatory markings	,	Р
	Position of the marking	self self	Р
$\lambda \Gamma'$	Format of symbols/text	7V.	P
6.5 (3.3)	Additional information	•	Р
	Language of instructions	English	Р
6.5 (3.3.1)	Combination luminaires	4/1	N/A
6.5 (3.3.2)	Nominal frequency in Hz	50/60Hz	Р
6.5 (3.3.3)	Operating temperature	See marking plate	Р
6.5 (3.3.4)	Symbol or warning notice	3/1/2	N/A
6.5 (3.3.5)	Wiring diagram		N/A
6.5 (3.3.6)	Special conditions	eth eth	N/A
6.5 (3.3.7)	Metal halide lamp luminaire – warning	3/2/2	N/A
6.5 (3.3.8)	Limitation for semi-luminaires	, the	N/A
6.5 (3.3.9)	Power factor and supply current	ath ath	N/A
6.5 (3.3.10)	Suitability for use indoors		Р
6.5 (3.3.11)	Luminaires with remote control		N/A
6.5 (3.3.12)	Clip-mounted luminaire – warning	all all	N/A
6.5 (3.3.13)	Specifications of protective shields	TE. ME.	N/A
6.5 (3.3.14)	Symbol for nature of supply		Р
65 (3 3 15)	Pated current of socket outlet		NI/A



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IEC 60598-2-6				
Clause	Requirement + Test	TE .	Result - Remark	Verdict

6.5 (3.3.16)	Rough service luminaire		N/A
6.5 (3.3.17)	Mounting instruction for type Y, type Z and some type X attachments	TEL TRIEL	N/A
6.5 (3.3.18)	Non-ordinary luminaires with PVC cable		N/A
6.5 (3.3.19)	Protective conductor current in instruction if applicable	TEX TEX	N/A
6.5 (3.3.20)	Provided with information if not intended to be mounted within arms reach	W.	N/A
6.5 (3.4)	Test with water	et et	Р
1/1/	Test with hexane	7/1	Р
	Legible after test		Р
et	Label attached	et et	Р
6.5.1 (-)	Rated voltage	3/1/2	Р
6.5.2 (-)	Output voltage visible during lamp replacement		Р
6.5.3 (-)	Warning notice		N/A
6.5.4 (-)	Marking on transformer or convertor	1/1/2	N/A
6.5.5 (-)	Fuse-link rating		N/A
6.5.5 (-)	Fuse-link rating		N

6.6 (4)	CONSTRUCTION	Le. Vie.	P
6.6 (4.2)	Components replaceable without difficulty		N/A
6.6 (4.3)	Wireways smooth and free from sharp edges	11/2	Р
6.6 (4.4)	Lampholders	TE. TE.	Р
6.6 (4.4.1)	Integral lampholder	K,	N/A
6.6 (4.4.2)	Wiring connection	AL AL	Р
6.6 (4.4.3)	Lampholder for end-to-end mounting	TE' KE'	N/A
6.6 (4.4.4)	Positioning		N/A
-11	- pressure test (N):	all all	N/A
AMEN	After test the lampholder comply with relevant standard sheets and show no damage	JE, AVIE,	N/A
TEV.	After test on single-capped lampholder the lampholder have not moved from its position and show no permanent deformation	TEXT TEXT	Р
YL.	- bending test (N):	2,0Nm	Р
	After test the lampholder have not moved from its position and show no permanent deformation	art art	Р
6.6 (4.4.5)	Peak pulse voltage	110	N/A
6.6 (4.4.6)	Centre contact		N/A



Method of fixing.....

IEC 60598-2-6				
Clause	Requirement + Test	Result - Remark	Verdict	
	AL AL	AL.	14	
6.4.6 (4.4.7)	Parts in rough service luminaires resistant to tracking	et et	N/A	
6.6 (4.4.8)	Lamp connectors	11/1/2	N/A	
6.6 (4.4.9)	Caps and bases correctly used		N/A	
6.6 (4.5)	Starter holders	et et	N/A	
MIL	Starter holder in luminaires other than class II	1/1/2	N/A	
	Starter holder class II construction	Kir	N/A	
6.6 (4.6)	Terminal blocks	at at	N/A	
M	Tails	10 11	N/A	
1	Unsecured blocks	No.	N/A	
6.6 (4.7)	Terminals and supply connections	JL JL	N/A	
6.6 (4.7.1)	Contact to metal parts	JE. JE.	N/A	
6.6 (4.7.2)	Test 8 mm live conductor	Y.	N/A	
- 1/L	Test 8 mm earth conductor	AL AL	N/A	
6.6 (4.7.3)	Terminals for supply conductors	TE' TE'	N/A	
6.6 (4.7.3.1)	Welded connections:	K	N/A	
-11	- stranded or solid conductor	.11 .11	N/A	
TEN	- spot welding	TEN TEN	N/A	
	- welding between wires	YI.	N/A	
11	- Type Z attachment	11 11	N/A	
TEN	- mechanical test according to 15.8.2	TEN TEN	N/A	
	- electrical test according to 15.9	, AL.	N/A	
-10	- heat test according to 15.9.2.3 and 15.9.2.4		N/A	
6.6 (4.7.4)	Terminals other than supply connection	TEL TEL	N/A	
6.6 (4.7.5)	Heat-resistant wiring/sleeves	, AL	N/A	
6.6 (4.7.6)	Multi-pole plug		N/A	
46/	- test at 30 N	JEL JEL	N/A	
6.6 (4.8)	Switches:	AL.	N/A	
	- adequate rating		N/A	
JEK-	- adequate fixing	LET LET	N/A	
	- polarized supply	7/1	N/A	
	- compliance with 61058-1 for electronic switches		N/A	
6.6 (4.9)	Insulating lining and sleeves	et et	N/A	
6.6 (4.9.1)	Retainement		N/A	

N/A N/A



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IEC 60598-2-6				<u>.</u>
Clause	Requirement + Test	TEN	Result - Remark	Verdict

	HI. HI.	H	HILL	4/1
6.6 (4.9.2)	Insulated linings and sleeves			N/A
NIEA	Resistant to a temperature > 20 °C to the witemperature or	re	UNTER	N/A
	a) & c) Insulation resistance and electric stre	ength		N/A
ell-	b) Ageing test. Temperature (°C)	:	et.	N/A
6.6 (4.10)	Insulation of Class II luminaires		1/1/1	Р
6.6 (4.10.1)	No contact, mounting surface – accessible r parts – wiring of basic insulation	netal	41	Р
TEN	Safe installation fixed luminaires	CIE	TEN	Р
	Capacitors and switches	HI.	HI	N/A
-=1/-	Interference suppression capacitors accordi IEC 60384-14	ng to	-e/L	N/A
6.6 (4.10.2)	Assembly gaps:	2/1	7/1/2	N/A
	- not coincidental			N/A
-e1/-	- no straight access with test probe		et l	N/A
6.6 (4.10.3)	Retainment of insulation:	11/11/2	1/1/2	Р
	- fixed			Р
- N	- unable to be replaced; luminaire inoperative	e //	-1/L	Р
VI.	- sleeves retained in position	113		Р
	- lining in lampholder			Р
6.6 (4.11)	Electrical connections	AL.	ZIL.	N/A
6.6 (4.11.1)	Contact pressure		1/1/2	N/A
6.6 (4.11.2)	Screws:	1	1.0	N/A
-1/L	- self-tapping screws	ML	JL	N/A
ME	- thread-cutting screws		TIE.	N/A
6.6 (4.11.3)	Screw locking:	K1	K.	N/A
ML	- spring washer	JL.	AL.	N/A
ME	- rivets		TE.	N/A
6.6 (4.11.4)	Material of current-carrying parts	KI,	KI,	N/A
6.6 (4.11.5)	No contact to wood or mounting surface	11	.11	N/A
6.6 (4.11.6)	Electro-mechanical contact systems	CIE	TE	N/A
6.6 (4.12)	Mechanical connections and glands	HI.	Y/I	N/A
6.6 (4.12.1)	Screws not made of soft metal	-16	18	N/A
TEN	Screws of insulating material	TEN	TEN	N/A
VI.	Torque test: torque (Nm); part	:	H	N/A
4	Torque test: torque (Nm); part	:		N/A



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IEC 60598-2-6				
Clause	Requirement + Test	TEN	Result - Remark	Verdict

A) Y	HI, HI, HI		M
- 41	Torque test: torque (Nm); part		N/A
6.6 (4.12.2)	Screws with diameter < 3 mm screwed into metal	TEN TEN	N/A
6.6 (4.12.4)	Locked connections:	" H	N/A
	- fixed arms; torque (Nm):		N/A
	- lampholder; torque (Nm)	TEX TEXT	N/A
1/1/	- push-button switches; torque 0,8 Nm:		N/A
6.6 (4.12.5)	Screwed glands; force (Nm)		N/A
6.6 (4.13)	Mechanical strength	et et	Р
6.6 (4.13.1)	Impact tests:	7/1	P
	- fragile parts; energy (Nm)	0,2Nm	Р
-61	- other parts; energy (Nm)::	0,35Nm	Р
	1) live parts	11/11/2	Р
	2) linings		N/A
	3) protection		Р
VI P	4) covers	U.E.	Р
6.6 (4.13.3)	Straight test finger	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Р
6.6 (4.13.4)	Rough service luminaires	AL AL	N/A
NE	- IP54 or higher	15 , 175	N/A
1	a) fixed		N/A
	b) hand-held	-1L -1L	N/A
ME	c) delivered with a stand	TE. TE.	N/A
N T	d) for temporary installations and suitable for mounting on a stand		N/A
6.6 (4.13.6)	Tumbling barrel	TEL TEL	N/A
6.6 (4.14)	Suspensions and adjusting devices	W.	Р
6.6 (4.14.1)	Mechanical load:		Р
	A) four times the weight	LEX LEX	Р
	B) torque 2,5 Nm		N/A
	C) bracket arm; bending moment (Nm):		N/A
	D) load track-mounted luminaires	et et	N/A
	E) clip-mounted luminaires, glass-shelve. Thickness (mm):	, HV,	N/A
1/1	Metal rod. diameter (mm):		N/A
ANTEN	Fixed luminaire or independent control gear without fixing devices	TE. HVIE.	N/A
6.6 (4.14.2)	Load to flexible cables		N/A



- in lamp control gear

- temperature marked lamp control gear

Design to satisfy the test of 12.6

- external

6.6 (4.16.3)

- fixed position

	IEC 60598-2-6		
Clause	Requirement + Test	Result - Remark	Verdict
	HI. HI. HI	, Al	14
-11	Mass (kg):	1 1	N/A
TEN	Stress in conductors (N/mm²):	TEN TEN	N/A
11.	Mass (kg) of semi-luminaire	, H.,	N/A
	Bending moment (Nm) of semi-luminaire:		N/A
6.6 (4.14.3)	Adjusting devices:	JET JET	N/A
	- flexing test; number of cycles:	, AV.	N/A
	- strands broken	•	N/A
	- electric strength test afterwards	et et	N/A
6.6 (4.14.4)	Telescopic tubes: cords not fixed to tube; no strain on conductors	, AV,	N/A
6.6 (4.14.5)	Guide pulleys	JL JL	N/A
6.6 (4.14.6)	Strain on socket-outlets	TE' KIE'	N/A
6.6 (4.15)	Flammable materials:	K,	N/A
J/L	- glow-wire test 650 °C	AL AL	N/A
ME	- spacing ≥ 30 mm	TE' ME	N/A
W.	- screen withstanding test of 13.3.1	Y.	N/A
AL	- screen dimensions	111 111	N/A
MER	- no fiercely burning material	TE TE	N/A
A)	- thermal protection	K	N/A
all	- electronic circuits exempted	41 41	N/A
6.6 (4.15.2)	Luminaires made of thermoplastic material with lar	np control gear	N/A
M.	a) construction	H	N/A
-11	b) temperature sensing control		N/A
TEA	c) surface temperature	TEN TEN	N/A
6.6 (4.16)	Luminaires for mounting on normally flammable su	ırfaces	Р
	No lamp control gear	(compliance with Section 12)	Р
6.6 (4.16.1)	Lamp control gear spacing:	TEN TEN	N/A
	- spacing 35 mm	, H.	N/A
	- spacing 10 mm		N/A
6.6 (4.16.2)	Thermal protection:		N/A

N/A

N/A

N/A

N/A

N/A

(see 12.6)



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Ol	IEC 60598-2-6	D. H. D I	M. P.
Clause	Requirement + Test	Result - Remark	Verdict
6.6 (4.17)	Drain holes		N/A
0.0 (4.17)	Clearance at least 5 mm	et et	N/A
6.6 (4.18)	Resistance to corrosion:		N/A
6.6 (4.18.1)	- rust-resistance	Y	N/A
6.6 (4.18.2)	- season cracking in copper	1/L 2/L	N/A
6.6 (4.18.3)	- corrosion of aluminium		N/A
6.6 (4.19)	Ignitors compatible with ballast		N/A
41		1/2	N/A
6.6 (4.20)	Rough service vibration Protective shield:	TEL TEL	N/A
6.6 (4.21)		Name of the last o	1877
6.6 (4.21.1)	Shield of class if two geten hele can leave	AL AL	N/A
0.0 (4.04.0)	Shield of glass if tungsten halogen lamps		N/A
6.6 (4.21.2)	Particles from a shattering lamp not impair safety		N/A
6.6 (4.21.3)	No direct path		N/A
6.6 (4.21.4)	Impact test on shield		N/A
0.0 (4.00)	Glow-wire test on lamp compartment	7/2	N/A
6.6 (4.22)	Attachments to lamps	1	N/A
6.6 (4.23)	Semi-luminaires comply Class II	Let Let	N/A
6.6 (4.24)	UV radiation for tungsten halogen lamps and metal halide lamps (Annex P)	47,	Р
6.6 (4.25)	No sharp point or edges	41 41	Р
6.6 (4.26)	Short-circuit protection:	TEN TEN	Р
6.6 (4.26.1)	Uninsulated accessible SELV parts		N/A
6.6 (4.26.2)	Short-circuit test		Р
6.6 (4.26.3)	Test chain according to Figure 29	TEN TEN	Р
6.6.1-3 (-)	Electrical safety output circuit		N/A
6.7 (11)	CREEPAGE DISTANCES AND CLEARANCES	TEX TEX	Р
7	Working voltage (V)	230V	+
.et	Voltage form	Sinusoidal	+
	PTI	< 600 ⊠ ≥ 600 □	+
11	Impulse withstand category (Normal category II) (Category III Annex U)	Category II Category III	+
MER	Rated pulse voltage (kV)	: 2,5kV	+
A I	Measured circuit		

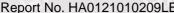


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-11		IEC 60598-2-6		
Clause	Requirement + Test	TEN	Result - Remark	Verdict
A 1.	M.	HILL	Al.	141

et	(1) Current-carrying parts of different polarity: cr (mm); cl (mm):	>2,5mm	Р
YVI	(2) Current-carrying parts and accessible parts: cr (mm); cl (mm):		Р
NEX	(3) Parts becoming live due to breakdown of basic insulation and metal parts: cr (mm); cl (mm)	er er	N/A
-11	(4) Outer surface of cable where it is clamped and metal parts: cr (mm); cl (mm)	.dl .dl	N/A
TEN	(5) Not used	TEN TEN	→
A) -	(6) Current-carrying parts and supporting surface: cr (mm); cl (mm):		Р
	Between transformer windings: cr (mm); cl (mm).:	-6/4 -6/4	N/A

6.8 (7)	PROVISION FOR EARTHING		N/A
6.8 (7.2.1 + 7.2.3)	Accessible metal parts	TEX TEXT	N/A
VI.	Metal parts in contact with supporting surface	Y.	N/A
11	Resistance < 0,5 Ω	AL AL	N/A
ME	Self-tapping screws used	TEL TEL	N/A
VI.	Thread-forming screws	KI	N/A
-11	Thread-forming screw used in a grove	41 41	N/A
TEN	Earth makes contact first	TEN TEN	N/A
6.8 (7.2.2 + 7.2.3)	Earth continuity in joints etc.	H	N/A
6.8 (7.2.4)	Locking of clamping means	-21-	N/A
161	Compliance with 4.7.3	7/1/2	N/A
AL.	Terminal blocks with integrated screwless earthing contacts tested according Annex V	al al	N/A
6.8 (7.2.5)	Earth terminal integral part of connector socket	TE' TE'	N/A
6.8 (7.2.6)	Earth terminal adjacent to mains terminals	KI.	N/A
6.8 (7.2.7)	Electrolytic corrosion of the earth terminal	al al	N/A
6.8 (7.2.8)	Material of earth terminal	TEN TEN	N/A
	Contact surface bare metal	, Al	N/A
6.8 (7.2.10)	Class II luminaire for looping-in		N/A
TEN	Double or reinforced insulation to functional earth	TEN TEN	N/A
6.8 (7.2.11)	Earthing core coloured green-yellow	, H	N/A
	Length of earth conductor	4	N/A





	IEC 60598-2-6		
Clause	Requirement + Test	Result - Remark	Verdic
1	HI HI	N. T.	H
6.8.1 (-)	Metal shell of lampholders		N/A
6.8.2 (-)	Earthing of secondary circuit	TEN TEN	N/A
6.8.3 (-)	Current path during operation	A.	N/A
6.9 (14)	SCREW TERMINALS	et et	N/A
	Separately approved; component list	(see Annex 1)	N/A
	Part of the luminaire	(see Annex 3)	N/A
16/	et et	set set	
6.9 (15)	SCREWLESS TERMINALS AND ELECTRICAL C	CONNECTIONS	N/A
	Separately approved; component list	(see Annex 1)	N/A
-21/-	Part of the luminaire	(see Annex 4)	N/A
	111 111	11/1/2	4.5
6.10 (5)	EXTERNAL AND INTERNAL WIRING		Р
6.10 (5.2)	Supply connection and external wiring		Р
6.10 (5.2.1)	Means of connection:	115	N/A
6.10 (5.2.2)	Type of cable:	V .	N/A
-1/L	Nominal cross-sectional area (mm²):	21/L	N/A
	Cables equal to IEC 60227 or IEC 60245	UE, WE	N/A
6.10 (5.2.3)	Type of attachment, X, Y or Z	Y.	N/A
6.10 (5.2.5)	Type Z not connected to screws	AL AL	N/A
6.10 (5.2.6)	Cable entries:	TE TE	N/A
V	- suitable for introduction	, Pri	N/A
-1/L	- adequate degree of protection	AL AL	N/A
6.10 (5.2.7)	Cable entries through rigid material have rounded edges	LE. HVIE	N/A
6.10 (5.2.8)	Insulating bushings:		Р
	- suitably fixed	-et	Р
	- material in bushings		N/A
	- material not likely to deteriorate	,	N/A
-61	- tubes or guards made of insulating material	et et	N/A
6.10 (5.2.9)	Locking of screwed bushings	7/11/2	N/A
6.10 (5.2.10)	Cord anchorage:		N/A
	- covering protected from abrasion	et et	N/A
	- clear how to be effective	11/11	N/A
	- no mechanical or thermal stress		N/A



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Clause	Requirement + Test	Result - Remark	Verdict		

<u> </u>	HI HI HI		41
	- no tying of cables into knots etc.	al al	N/A
TEN	- insulating material or lining	TEN TEN	N/A
6.10 (5.2.10.1)	Cord anchorage for type X attachment:	" AL	N/A
e/L	a) at least one part fixed	ath ath	N/A
MILE	b) types of cable		N/A
	c) no damaging of the cable	, P. P.	N/A
_1L	d) whole cable can be mounted	21L 21L	N/A
VIE.	e) no touching of clamping screws	TE. ME	N/A
	f) metal screw not directly on cable	Y	N/A
J/L	g) replacement without special tool	AL AL	N/A
ME.	Glands not used as anchorage	TE" KIE"	N/A
N	Labyrinth type anchorages	K	N/A
6.10 (5.2.10.2)	Adequate cord anchorage for type Y and type Z attachment	et et	N/A
6.10 (5.2.10.3)	Tests:	, HI,	N/A
-1L	- impossible to push cable; unsafe	21L 21L	N/A
VI.	- pull test: 25 times; pull (N):	The Market	N/A
1	- torque test: torque (Nm)	Y.,	N/A
J/L	- displacement ≤ 2 mm	AL AL	N/A
VIE.	- no movement of conductors	TE. TE.	N/A
d)	- no damage of cable or cord	K,	N/A
6.10 (5.2.11)	External wiring passing into luminaire	AL AL	Р
6.10 (5.2.12)	Looping-in terminals	TE' ME'	N/A
6.10 (5.2.13)	Wire ends not tinned	Y.	N/A
-1/L	Wire ends tinned: no cold flow	1/L 1/L	N/A
6.10 (5.2.14)	Mains plug same protection	TEN TEN	N/A
11.	Class III luminaire plug	KI	N/A
6.10 (5.2.16)	Appliance inlets (IEC 60320)	al al	N/A
TEN	Appliance couplers of class II type	TER TER	N/A
6.10 (5.2.17)	No standardized interconnecting cables properly assembled	141	N/A
6.10 (5.2.18)	Used plug in accordance with	et et	N/A
NI	- IEC 60083	11/15	N/A
	- other standard		N/A
6.10 (5.3)	Internal wiring		Р



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Clause	Requirement + Test	TE	Result - Remark	Verdict

6.10 (5.3.1)	Internal wiring of suitable size and type		N/A
TEN	Through wiring	TEN TEN	N/A
1	- not delivered/ mounting instruction	, 41,	Р
	- factory assembled		N/A
16/	- socket outlet loaded (A)	TEL TEL	N/A
	- temperatures:	(see Annex 2)	N/A
	Green-yellow for earth only		Р
6.10 (5.3.1.1)	Internal wiring connected directly to fixed wiring	et et	N/A
	Cross-sectional area (mm²)	W (1)	N/A
	Insulation thickness		N/A
-614	Extra insulation added where necessary		N/A
6.10 (5.3.1.2)	Internal wiring connected to fixed wiring via interna	I current-limiting device	N/A
	Adequate cross-sectional area and insulation thickness	al al	N/A
6.10 (5.3.1.3)	Double or reinforced insulation for class II	TEL TEL	Р
6.10 (5.3.1.4)	Conductors without insulation	K	N/A
6.10 (5.3.1.5)	SELV current-carrying parts	al al	N/A
6.10 (5.3.1.6)	Insulation thickness other than PVC or rubber	TEL TEL	N/A
6.10 (5.3.2)	Sharp edges etc.	, All	N/A
41	No moving parts of switches etc.	41 41	N/A
TEN	Joints, raising/lowering devices	TEN TEN	N/A
	Telescopic tubes etc.	HI.	N/A
-1	No twisting over 360°		N/A
6.10 (5.3.3)	Insulating bushings:	LET LET	N/A
	- suitable fixed		N/A
	- material in bushings		N/A
TEX.	- material not likely to deteriorate	LEL LEL	N/A
	- cables with protective sheath	, AV,	N/A
6.10 (5.3.4)	Joints and junctions effectively insulated		N/A
6.10 (5.3.5)	Strain on internal wiring	TEXT TEXT	N/A
6.10 (5.3.6)	Wire carriers		N/A
6.10 (5.3.7)	Wire ends not tinned		N/A
	Wire ends tinned: no cold flow	-2/-	N/A



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Clause	Requirement + Test	TE	Result - Remark	Verdict

	<u>r r r r r </u>		
6.11 (8)	PROTECTION AGAINST ELECTRIC SHOCK		Р
6.11 (8.2.1)	Live parts not accessible	TEN TEN	Р
AL.	Basic insulated parts not used on the outer surface without appropriate protection	, HV.	Р
KE/A	Basic insulated parts not accessible with standard test finger on portable and adjustable luminaires	TEX TEX	N/A
AIT AIL	Basic insulated parts not accessible with Ø 50 mm probe from outside, within arms reach, on wall-mounted luminaires		Р
ALTE.	Lamp and starterholders in portable and adjustable luminaires comply with double or reinforced insulation requirements	YE. HUZE.	N/A
TEIL	Basic insulation only accessible under lamp or starter replacement	TEX TEX	N/A
VI.	Protection in any position		Р
-1	Double-ended tungsten filament lamp		N/A
REF	Insulation lacquer not reliable	TEL TEL	Р
11.	Double-ended high pressure discharge lamp		N/A
-e1/-	Relevant warning according to 3.2.18 fitted to the luminaire	et et	N/A
6.11 (8.2.2)	Portable luminaire adjusted in most unfavourable position	HVI	Р
6.11 (8.2.3.a)	Class II luminaire:	111 111	N/A
AMER	- basic insulated metal parts not accessible during starter or lamp replacement	JE" HATER	Р
-1/L	- basic insulation not accessible other than during starter or lamp replacement	all all	Р
ANTE	- glass protective shields not used as supplementary insulation	TE. HVIE.	N/A
6.11 (8.2.3.b)	BC lampholder of metal in class I luminaires shall be earthed	-1/h -1/h	N/A
6.11 (8.2.3.c)	Class III luminaires with exposed SELV parts:	Up. William	N/A
	Ordinary luminaire:		N/A
-1/	- touch current:	all all	N/A
	- no-load voltage:	JE" NIE"	N/A
1	Other than ordinary luminaire:	Kin	N/A
ML	- nominal voltage:	AL AL	N/A
6.11 (8.2.4)	Portable luminaire:	TE. TE.	N/A
1	- protection independent of supporting surface		N/A
.df	- terminal block completely covered	11 11	N/A



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Clause	Requirement + Test	Result - Remark	Verdict	
	H. H.	H	14	
6.11 (8.2.5)	Compliance with the standard test finger or relevant probe	et et	Р	
6.11 (8.2.6)	Covers reliably secured	31	Р	
6.11 (8.2.7)	Discharging of capacitors ≥ 0,5 μF		N/A	
	Portable plug connected luminaire with capacitor	et et	N/A	
	Other plug connected luminaire with capacitor	1/1/2	N/A	
	Discharge device on or within capacitor		N/A	
-1L	Discharge device mounted separately	ath ath	N/A	

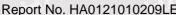
6.12 (12)	ENDURANCE TEST AND THERMAL TEST	F. 1	Р
6.12 (12.3)	Endurance test:	AL AL	Р
6.12a (-)	- test voltage 1,1 Un (V):	1,1 x 230V = 253V	\
6.12 (12.3)	- mounting-position	Normal operation	\
_NL	- test temperature (°C)	35	\
ME	- total duration (h):	240	\
	- supply voltage: Un factor; calculated voltage (V):	Y.	\
-1/	- lamp used:	eth eth	\
6.12 (12.3.2)	After endurance test:	110 110	Р
1	- no part unserviceable	1	Р
-1/L	- luminaire not unsafe	all all	Р
VIE.	- no damage to track system	JE. ME.	N/A
Ψ	- marking legible	Ki,	Р
NL	- no cracks, deformation etc.	AL AL	Р
6.12 (12.4)	Thermal test (normal operation)	(see Annex 2)	Р
6.12b (-)	- test voltage 1,06 Un (V):	1,06 x 230V = 243,8V	\downarrow
6.12 (12.5)	Thermal test (abnormal operation)	(see Annex 2)	N/A
6.12 (12.6)	Thermal test (failed lamp control gear condition):	TE TE	N/A
6.12 (12.6.1)	Through wiring or looping-in wiring loaded by a current of (A)	12/1	\
TEX.	- case of abnormal conditions:	TEX TEXT	\
	- electronic lamp control gear	AL.	N/A
	- measured winding temperature (°C): at 1,1 Un :		+
MEX	- measured mounting surface temperature (°C) at 1,1 Un	TEX NEX	N/A
	- calculated mounting surface temperature (°C) . :		N/A
A12	- track-mounted luminaires	AL AL	N/A



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Clause	Requirement + Test	TE	Result - Remark	Verdict			

41	AL AL AL		14
6.12 (12.6.2)	Temperature sensing control		N/A
	- case of abnormal conditions:	TEN TEN	\
11.	- thermal link	, H	N/A
	- manual reset cut-out		N/A
TEA	- auto reset cut-out	TEX TEX	N/A
	- measured mounting surface temperature (°C):		N/A
	- track-mounted luminaires		N/A
6.12 (12.7)	Thermal test (failed lamp control gear in plastic lum	ninaires):	N/A
6.12 (12.7.1)	Luminaire without temperature sensing control		N/A
6.12 (12.7.1.1)	Luminaire with fluorescent lamp ≤ 70W	-1h -1h	N/A
	Test method 12.7.1.1 or Annex V	TE. INTE.	\downarrow
V	Test according to 12.7.1.1:	An An	N/A
	- case of abnormal conditions	at at	\
VI.	- Ballast failure at supply voltage (V):	U.S. VIEW	\downarrow
	- Components retained in place after the test	V	N/A
AL	- Test with standard test finger after the test	ath ath	N/A
VIE.	Test according to Annex V:	TE' NTE'	N/A
VI.	- case of abnormal conditions		\downarrow
-1/L	- measured winding temperature (°C): at 1,1 Un	eth eth	\
ME	- measured temperature of fixing point/exposed part (°C): at 1,1 Un:	The HVIE	\
	- calculated temperature of fixing point/exposed part (°C)	et et	\
N	Ball-pressure test:	11/11/2	N/A
	- part tested; temperature (°C)		N/A
-c/-	- part tested; temperature (°C)	et et	N/A
6.12 (12.7.1.2)	Luminaire with discharge lamp, fluorescent lamp >	70W, transformer > 10 VA	N/A
JI.	- case of abnormal conditions	JL JL	\
ME	- measured winding temperature (°C): at 1,1 Un:	TE' TE'	\downarrow
	- measured temperature of fixing point/exposed part (°C): at 1,1 Un		\
NEX	- calculated temperature of fixing point/exposed part (°C)	TEX	\
	Ball-pressure test:		N/A
ME	- part tested; temperature (°C)	AL AL	N/A





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Clause	Requirement + Test	Result - Remark	Verdict
ATT	AN AN AI		14
	- part tested; temperature (°C):		N/A
6.12 (12.7.1.3)	Luminaire with short circuit proof transformers ≤ 10 VA	JEN NIEK	N/A
	- case of abnormal conditions	Y'	+
	- Components retained in place after the test	eth eth	N/A
1/1/2	- Test with standard test finger after the test	110	N/A
6.12 (12.7.2)	Luminaire with temperature sensing control		N/A
	- thermal link	Yes No No	\
VII.	- manual reset cut-out	Yes No No	\
	- auto reset cut-out	Yes No	\
	- case of abnormal conditions	eth eth	+
ANTE	- highest measured temperature of fixing point/exposed part (°C):	YE HVIE	+
-11	Ball-pressure test:	al al	N/A
TEA	- part tested; temperature (°C):	N/A	
11.	- part tested; temperature (°C):	N/A	M
-11	al al	11 11	
6.13 (9)	RESISTANCE TO DUST, SOLID OBJECTS AND	MOISTURE	Р
6.13 (9.2)	Tests for ingress of dust, solid objects and moistur	e:	N/A
.41	- classification according to IP	IP20	\
TEN	- mounting position during test:	Normal operation	\
41.	- fixing screws tightened; torque (Nm):	N/A	\
41	- tests according to clauses:	Clause 9.2.1, 9.2.2 and 9.2.6	\
TEN	- electric strength test afterwards	TEN TEN	Р
A)	a) no deposit in dust-proof luminaire	H	N/A
41	b) no talcum in dust-tight luminaire	11 11	N/A
MER	c) no trace of water on current-carrying parts or SELV parts or where it could become a hazard	JEN THEY	N/A
AL.	d) i) For luminaires without drain holes – no water entry	AL AL	N/A
ANTE	d) ii) For luminaires with drain holes – no hazardous water entry	TE. HVIE.	N/A
	e) no water in watertight luminaire		N/A
	f) no contact with live parts (IP 2X)	-61	Р
7 / V	f) no entry into enclosure (IP 3X and IP 4X)	4/1	N/A
	f) no contact with live parts (IP3X and IP4X)		N/A



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-11	IEC 60598-2-6		
Clause	Requirement + Test	Result - Remark	Verdict
	HI HI P	M. HI.	41
	g) no trace of water on part of lamp requiring protection from splashing water	et et	N/A
ANTI	h) no damage of protective shield or glass envelope	NO HVI	Р
6.13 (9.3)	Humidity test 48 h	Humidity: 93%, Temp.: 25°C	Р

6.14 (10)	INSULATION RESISTANCE AND ELECTRIC STI	RENGTH	Р	
6.14 (10.2.1)	Insulation resistance test			
MER	Cable or cord covered by metal foil or replaced by a metal rod of mm Ø:	Covered by metal foil	→	
	Insulation resistance (MΩ)	As below	\	
-61/-	SELV:	et et	N/A	
1	- between current-carrying parts of different polarity:	" HVI	N/A	
TEX.	- between current-carrying parts and mounting surface	TEXT TEXT	N/A	
	- between current-carrying parts and metal parts of the luminaire	W. HV.	N/A	
_1/L	Other than SELV:	all all	Р	
VIE.	- between live parts of different polarity	>100 MΩ	Р	
	- between live parts and mounting surface:	>100 MΩ	Р	
21L	- between live parts and metal parts	21L 21L	N/A	
MILE	- between live parts of different polarity through action of a switch	JE. HVIE	N/A	
6.14 (10.2.2)	Electric strength test			
AET.	Dummy lamp	TEN TEN	N/A	
	Luminaires with ignitors after 24 h test		N/A	
	Luminaires with manual ignitors		N/A	
TEX.	Test voltage (V):		Р	
	SELV:	H. H.	N/A	
_1/L	- between current-carrying parts of different polarity:	Alb Alb	N/A	
VI.	- between current-carrying parts and mounting surface	TE. HVIE.	N/A	
	- between current-carrying parts and metal parts of the luminaire	at at	N/A	
NI	Other than SELV:	77	Р	
	- between live parts of different polarity:	1460V	Р	
-1L	- between live parts and mounting surface:	2920V	Р	

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Clause	Requirement + Test	Result - Remark	Verdict			
A)	HI	H	M			

- 1	- between live parts and metal parts:		N/A
NIEN	- between live parts of different polarity through action of a switch	TEX UNTER	N/A
6.14 (10.3)	Touch current (mA):	0,03mA, limit: 0,7mA peak	Р

6.15 (13)	RESISTANCE TO HEAT, FIRE AND TRACKING	N/A		
6.15 (13.2.1)	Ball-pressure test:	N/A		
	- part tested; temperature (°C)	N/A		
MIL	- part tested; temperature (°C):	N/A		
6.15 (13.3.1)	Needle flame test (10 s):			
-1/L	- part tested	N/A		
	- part tested:	N/A		
6.15 (13.3.2)	Glow-wire test (650°C):	N/A		
_1/L	- part tested	N/A		
TIE.	- part tested:	N/A		
6.15 (13.4.1)	Tracking test: part tested:	N/A		



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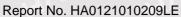
No.	· · · · · · · · · · · · · · · · · · ·	3.2	3	• 122			
IEC 60598-2-6							
Clause	Requirement + Test		TEN	Result - Remark	Verdict		

ANNEX 1: components	N/A	
---------------------	-----	--

object/part No.		manufacturer/ trademark	type/model	technical data	standard	mark(s) of conformity
- 4	-	- 41/	- 4	-	-	1/
		1		- 177	- 177	

The codes above have the following meaning:

- A The component is replaceable with another one, also certified, with equivalent characteristics
- B The component is replaceable if authorised by the test house
- C Integrated component tested together with the appliance
- D Alternative component





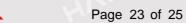
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Clause	Requirement + Test	TEN	Result - Remark	Verdict	

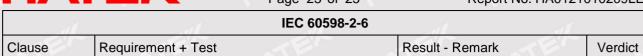
ANNEX 2: temperature measurements, thermal tests of Section 12
--

1	Type reference:	N/A	\
	Lamp used:	N/A	\
TEN	Lamp control gear used:	N/A	\downarrow
71.	Mounting position of luminaire:	Normal operation	\
-1	Supply wattage (W):	161,9W	\downarrow
TEN	Supply current (A):	0,666A	\
11.	Calculated power factor:	0,482	\
-11	Table: measured temperatures corrected for ta = 2	25 °C:	
TEN	- abnormal operating mode:	JET JET	\
71.	- test 1: rated voltage:	N/A	\downarrow
-21	- test 2: 1,06 times rated voltage or 1,05 times rated wattage:	1,06 x 230V = 243,8V	\
11/1	- test 3: Load on wiring to socket-outlet, 1,06 times voltage or 1,05 times wattage:	N/A	+
-EL	- test 4: 1,1 times rated voltage or 1,05 times rated wattage:	N/A	\
1	Through wiring or looping-in wiring loaded by a current of A during the test:	N/A	\

temperature (°C) of part	Clause 12.4 – normal			Clause 12.	5 – abnormal	
	test 1	test 2	test 3	limit	test 4	limit
Contact cap	N/A	114,6	N/A	Ref.	N/A	N/A
Luminaire cover	N/A	189,6	N/A	Ref.	N/A	N/A



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ANNEX 3: screw terminals (part of the luminaire)	N/A
--	-----

(14)	SCREW TERMINALS	4	N/A
(14.2)	Type of terminal::		\
TEL	Rated current (A):	LET LET	\
(14.3.2.1)	One or more conductors	41,	N/A
(14.3.2.2)	Special preparation		N/A
(14.3.2.3)	Terminal size	LET LET	N/A
11,,	Cross-sectional area (mm²):	11/1	N/A
(14.3.3)	Conductor space (mm):		N/A
(14.4)	Mechanical tests	JEH JEH	N/A
(14.4.1)	Minimum distance	7/1	N/A
(14.4.2)	Cannot slip out	•	N/A
(14.4.3)	Special preparation	et et	N/A
(14.4.4)	Nominal diameter of thread (metric ISO thread) . :	M	N/A
, E	External wiring	V.	N/A
	No soft metal	et et	N/A
(14.4.5)	Corrosion	7/1/2	N/A
(14.4.6)	Nominal diameter of thread (mm):	V	N/A
elf	Torque (Nm):	et et	N/A
(14.4.7)	Between metal surfaces	40	N/A
	Lug terminal	Kin	N/A
- AL	Mantle terminal	ath ath	N/A
NIE	Pull test; pull (N):	40 140	N/A
(14.4.8)	Without undue damage		N/A

N/A

N/A

N/A



(15.7)

(15.8.1)

Terminals external wiring

Terminal size and rating

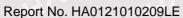
Pull test spring-type terminals or welded

connections (4 samples); pull (N):

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41			IEC 60598-2-6		
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Clause	Requirement + Test	Result - Remark	Verdict
A)	HI HI	, , , , , , , , , , , , , , , , , , ,	41
-16	ANNEX 4: screwless terminals (part of the lumin	naire)	N/A
AE'		JET JET	
(15)	SCREWLESS TERMINALS	, Al	N/A
(15.2)	Type of terminal	NA NA	
JE"	Rated current (A):	JER JER	+
(15.3.1)	Material		N/A
(15.3.2)	Clamping		N/A
(15.3.3)	Stop	LEY LEY	N/A
(15.3.4)	Unprepared conductors		N/A
(15.3.5)	Pressure on insulating material		N/A
(15.3.6)	Clear connection method		N/A
(15.3.7)	Clamping independently	7/7	N/A
(15.3.8)	Fixed in position	•	N/A
(15.3.10)	Conductor size	et et	N/A
	Type of conductor	7/1	N/A
(15.5.1)	Terminals internal wiring		N/A
(15.5.1.1)	Pull test spring-type terminals (4 N, 4 samples):	TEXT NEXT	N/A
(15.5.1.2)	Pull test pin or tab terminals (4 N, 4 samples):	K	N/A
-11	Insertion force not exceeding 50 N	.11 .11	N/A
(15.5.2)	Permanent connections: pull-off test (20 N)	TEN TEN	N/A
(15.6)	Electrical tests	K	M
-11	Voltage drop (mV) after 1 h (4 samples):	41 41	N/A
TEN	Voltage drop of two inseparable joints	JEN JEN	N/A
All	Number of cycles:	1	+
_elf	Voltage drop (mV) after 10th alt. 25th cycle (4 samples):	et et	N/A
YV.	Voltage drop (mV) after 50th alt. 100th cycle (4 samples):	AV.	N/A
-EI	After ageing, voltage drop (mV) after 10th alt. 25th cycle (4 samples):	self self	N/A
71,,	After ageing, voltage drop (mV) after 50th alt. 100th cycle (4 samples):	AL.	N/A





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				ab termir			:		L		=1/_	N/A
(15.9)				nce test	Mr.		. 1	VI.		17/1		N/A
~	Volta	age dro	p (m	nV) after	1 h			-				N/A
terminal		1		2	3	4	5	6	7	8	9	10
voltage drop	(mV)	. 1		-	1	-	-	11-1-	-	177	-	- 1
N		Voltage	dro	op of two	insepara	able joints	s	N/A				N/A
-1/		Voltage	e dro	op after 1	0th alt. 2	25th cycle)	الام			NL	N/A
ME		Max. al	llow	ed voltag	e drop (r	mV)	:	N/A		1		\
terminal		1		2	3	4	5	6	7	8	9	10
voltage drop (mV) -			16-	-	NL	-		<u> </u>	-	NE	-	
ME.		Voltage	e dro	op after 5	0th alt. 1	00th cyc	le	VIE.		. 1		N/A
		Max. al	llow	ed voltag	e drop (r	nV)	:	N/A				+
terminal		1		2	3	4	5	6	7	8	9	10
voltage drop	(mV)			-	. 1	-	-	(T-E)	-	. 🗹	-	- 1
41		Continu	led	ageing: v	oltage d	rop after	10th alt	. 25th cyc	le			N/A
-41/1		Max. al	low	ed voltag	e drop (r	nV)	:	N/A	1		JIL	\
terminal		1		2	3	4	5	6	7	8	9	10
voltage drop	(mV)	۲.		-	M	-	1/1	-	- 1	A).	-	KVI
.118		Continu	led	ageing: v	oltage d	rop after	50th alt	. 100th cy	cle		-11	N/A
ME		Max. al	llow	ed voltag	e drop (r	nV)	:	N/A				\
terminal		1		2	3	4	5	6	7	8	9	10
voltage drop	(mV)	-		11 -	-	-16	-	- 40	1 -	-	-410	-
			_					•				





EN 60598 - ATTACHMENT A

Clause Requirement + Test Result - Remark Verdict

ATTACHMENT TO TEST REPORT IEC 60598-2-6 EUROPEAN GROUP DIFFERENCES AND NATIONAL DIFFERENCES

Luminaires

Part 2: Particular requirements:

Section Six – Luminaires with built-in transformers or convertors for filament lamps

Differences according EN 60598-2-6:1994 + A1:1997 used in conjunction with

EN 60598-1:2015 + A1:2018

Annex Form No. EU_GD_IEC_60598_2_6A

Annex Form Originator: I HATEK

Master Annex Form: 2021-01

CENELEC COMMON MODIFICATIONS (EN)

Р

Report No.: HA0121010209LE

6.5 (3)	MARKING		Р
6.5 (3.3.101)	Adequate warning on the package	et et	Р

6.6 (4)	CONSTRUCTION	Р
6.6 (4.11.6)	Electro-mechanical contact systems	N/A

6.10 (5)	EXTERNAL AND INTERNAL WIRING		Р
6.10 (5.2.1)	Connecting leads	1	Р
MILE	- without a means for connection to the supply	Mr. Mr.	Р
5.0	- terminal block specified	, Kr	N/A
1/6	- relevant information provided	NL NL	N/A
JULE.	- compliance with 4.6, 4.7.1, 4.7.2, 4.10.1, 11.2, 12 and 13.2 of Part 1	ME. THE.	N/A
6.10 (5.2.2)	Cables equal to HD21 S2 or HD22 S2		N/A

6.12 (12)	ENDURANCE TEST AND THERMAL TEST	Р
6.12 (12.4.2c)	Thermal test (normal operation)	Р

ZB	ANNEX ZB, SPECIAL NATIONAL CONDITIONS (EN)		N/A N/A
(3.3)	DK: power supply cord with label		
Al.	IT: warning label on Class 0 luminaire	11 11	N/A
(4.5.1)	DK: socket-outlets	TEN TEN	N/A
(5.2.1)	CY, DK, FI, SE, GB: type of plug	141.	N/A

ZC	ANNEX ZC, NATIONAL DEVIATIONS (EN)	TEN TEN	N/A
(4 & 5)	FR: Shuttered socket-outlets 10/16A		N/A



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YL.	EN 60598 - ATTACHMEN	TA	H
Clause	Requirement + Test	Result - Remark	Verdict
(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	WENT HVIEW	N/A
(13.3)	GB: Requirements according to United Kingdom	ath ath	N/A



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PHOTO DOCUMENTATION

Photo 1

Model: ND-13 20W Description: Overall view



Photo 2

Model: ND-13 20W Description: Overall view





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PHOTO DOCUMENTATION

Photo 3

Model: ND-13 20W

Description: Internal view



Photo 4

Model: ND-04 150W Description: Overall view





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PHOTO DOCUMENTATION

Photo 5

Model: ND-04 150W Description: Overall view



==== End of Photo Documentation =====