


TEST REPORT N°: HVW-18DE363LTZS

TEST REPORT


To:	Bloomington A/S	To:	--
Attn:	--	Attn:	--
Address:	Lene Haus Vej 3-5 DK-7430 Ikast Denmark	Address:	--
Fax:	--	Fax:	--
E-mail:	--	E-mail:	--

This document includes: 18 pages / annex1: instruction sheet

Factory name:	Same as applicant	Offer:	HVW-18DE28-01LTZS-A0, HVW-18DE28-01LTZS-A1
Location:	Same as applicant	Sample No: Date:	SZ181227/010, SZ181227/012, SZ181227/013
	Start date:	December 28, 2018	
	Finish date:	January 29, 2019	
	Standards used: (Date):	EN 60598-1:2015+A1:2018 EN 60598-2-1:1989 EN 62493:2015	
	Sections examined:	All sections Details see page 2	
	Re-testing:	None	
Pendant Lamp (Fixed luminaires) Model: 30706089	Remark / Note:	None	

The results given in this report are related to the tested specimen of the described electrical apparatus.

CONCLUSION: The samples comply with the requirements of the examined standards.

Test done by, <i>Darwin</i>	Approved by, 
Engineer: Darwin SHI	Assistant Manager: Eric TANG
Date: January 29, 2019	Date: January 29, 2019

This report is governed by, and incorporates by reference, GPS Conditions of Service as posted at the date of issuance of this report at <http://www.bureauveritas.com/home/about-us/our-business/cps/about-us/terms-conditions/> and is intended for your exclusive use. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. Measurement uncertainty is only provided upon request for accredited tests. You have 60 days from date of issuance of this report to notify us of any material error or omission caused by our negligence or if you require measurement uncertainty, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute you unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

TEST REPORT N°: HVW-18DE363LTZS

HISTORICAL OF SAMPLE RECEIVED

LCIE CHINA RECORDED N°	DETAIL OF THE SAMPLE	SPECIAL REMARKS
SZ181227/010, SZ181227/012, SZ181227/013	Original sample	None

EXAMINED SECTIONS


The product covered in this report is class I fixed luminaires intended to indoor use only.

For the EMF effect, the model did not contain active electronic parts, which were considered effect on human body, therefore, the products were considered to be in accordance with the requirements of the standard EN 62493: 2015 without any testing

All sections were selected to conduct on model 30706089.

The sample listed (MODEL N°: 30706089) is covered by the conclusion on page 1.

COPY OF RATING PLATE:

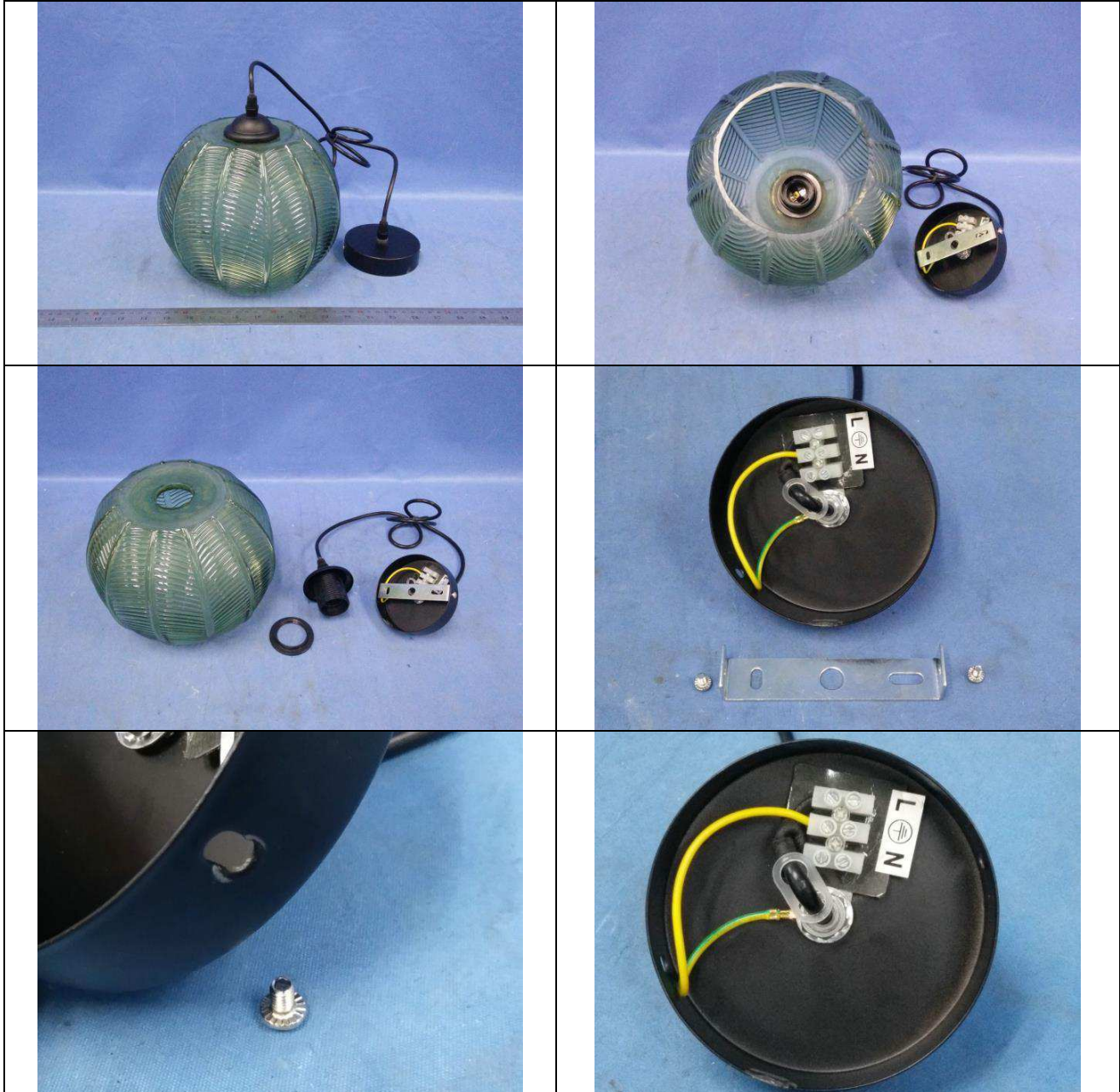
Rating label (pasted on external cord near to canopy where visible during installation)	Re-lamping label (pasted on lampholder where visible during replacing lamp)
<p>Batch number: P064480 Model number:30706089 220-240V~50Hz E27 Max. 40W Bloomingville A/S, Lene Haus Vei 3-5, DK-7430Ikast</p> 	<p>E27 Max.40W</p>
<p>Note: 1. The height of letter and numbers is not less than 2mm; 2. The height of symbol "WEEE" is not less than 7 mm; 3. The height of other symbols is not less than 5 mm.</p>	

Only markings in English Language present on the sample tested were checked and validated during this examination.

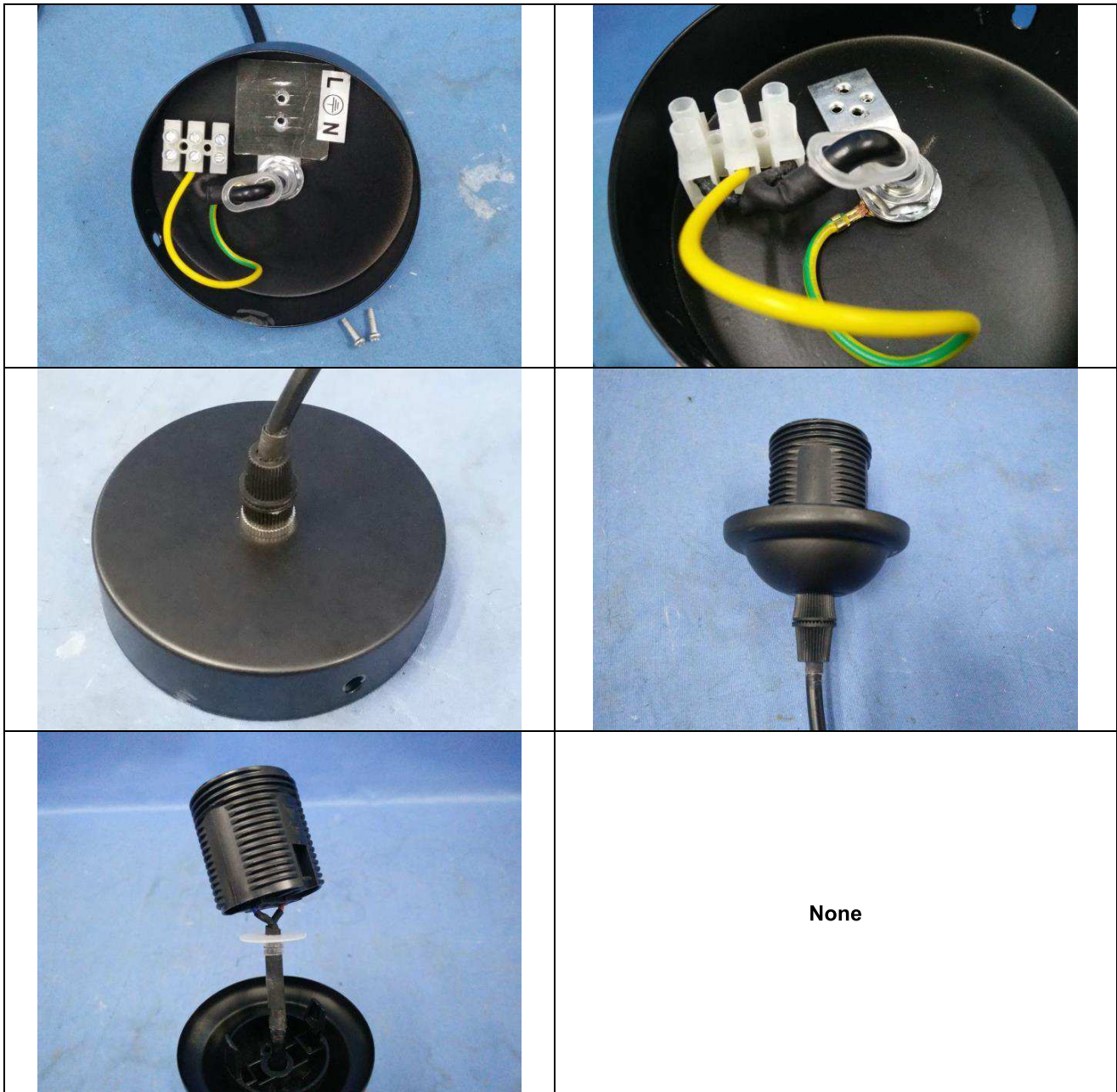
The text required by the standard should be translated into the official language of the country where the appliance will be sold.

TEST REPORT N°: HVW-18DE363LTZS

PICTURE OF THE SAMPLE TESTED:



TEST REPORT N°: HVW-18DE363LTZS





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DESCRIPTION	
Trademark:	--
Type of appliance:	Fixed luminaires
Type / model:	30706089
Color of enclosure:	See pictures on pages 3
Rated Voltage (V):	220-240 V
Nature of supply:	~
Rated power (W)	Max. 40 W
Class of protection against electrical shock:	Class I
Degree of protection against moisture:	IP20
CE marking:	Present
Type of switch:	NA
Type of fixation (X, Y, M, Z):	NA
Marking on knobs:	NA
Supply connection:	Terminal block
Other information about appliance:	Type of lampholder: E27 Type of light source: Incandescent lamp
Accessory provided with the luminaire:	Instruction sheet

Possible test case verdicts:	
- Test object does meet the requirement	P (Pass)
- Test case does not apply to the test object	NA (Not applicable)
- Test object does not meet the requirement	F (Fail)
- Test object does not demand	ND (Not demanded)
General remarks:	
<p>"(See remark #)" refers to a remark appended to the report.</p> <p>Throughout this report a comma is used as the decimal separator.</p>	



TEST REPORT N°: HVW-18DE363LTZS

EN 60598-1 and EN 60598-2-1			
Section	Requirement Test	Result – Value – Remark	Verdict
0	COMPONENTS OF LUMINAIRES		P
	Components comply with the requirements of the relevant standards (see page 12/18)		P
2	CLASSIFICATION		P
	. Compliance of the classification		P
3	MARKING		P
	. Marking on the luminaires		P
	. Other requirements		P
4	CONSTRUCTION		P
4.2	- Replaceable components		P
4.3	- Wire ways		P
4.4	- Lamp holders		P
4.5	- Starter holders		NA
4.6	- Terminal blocks		P
4.7	- Terminals and supply connections		P
4.8	- Switch		NA
4.9	- Insulating linings and sleeves		P
4.10	- Double and reinforced insulation	For class II construction	P
4.11	- Electrical connections and current-carrying parts		P
4.12	-Screws and connections (mechanical), glands		P
4.13	- Mechanical strength		P
4.14	- Suspensions and adjusting devices (1)		P
4.15	- Flammable materials		P
4.16	- Luminaires for mounting on normally flammable surfaces		P
4.17	- Drain holes		NA
4.18	- Resistance to corrosion		NA
4.19	- Igniters		NA
4.20	- Rough service luminaires		NA
	- Vibrations requirements		NA
4.21	- Protective shield		NA
4.22	- Attachments to lamps		NA
4.23	- Semi- luminaires		NA
4.24	- Photobiological hazards		NA
4.25	- Mechanical hazard		P
4.26	- Short-circuit protection		NA
4.27	- Terminal blocks with integrated screwless earthing contacts		NA
4.28	Fixing of thermal sensing controls		NA
4.29	Luminaire with non-replaceable light source		NA

TEST REPORT N°: HVW-18DE363LTZS

EN 60598-1 and EN 60598-2-1			
Section	Requirement Test	Result – Value – Remark	Verdict
4.30	Luminaires with non-user replaceable light sources		NA
4.31	Insulation between circuits		NA
4.32	Overtoltage protective devices		NA

1. Frequently adjusted [] occasionally adjusted [] adjusted during installation only []

11	CREEPAGE DISTANCES AND CLEARANCES		P
	Minimum distances (mm)		P
	Basic insulation for SELV	1,2 - 0,2	Pass the electrical strength test of table 10.2 (500V)
	Basic insulation	2,5 - 1,5	P
	Supplementary insulation	2,5 - 1,5	P
	Reinforced insulation	5,0 - 3,0	P
7	PROVISION FOR EARTHING		P
	. No provision for class II and class III appliances		P
	. Earthing connections of low resistance		P
	- Test: >10A, <12V – Result: R<0,5Ω	Max. 0,021 Ω	P
	. Other requirements		P
14	SCREW TERMINALS		P
	. Compliance with the requirements of relevant standards	Approved terminal block	P
	. Compliance with the requirements of this section		NA
15	SCREWLESS TERMINALS AND ELECTRICAL CONNECTIONS		P
	. Compliance with the requirements of relevant standards	Approved lampholder	P
	. Compliance with the requirements of this section		NA
5	EXTERNAL AND INTERNAL WIRING		P
5.2	. Supply connection and other external wiring		P
5.3	. Internal wiring		P
8	PROTECTION AGAINST ELECTRIC SHOCK		P
	. Live parts not accessible		P
	. Other requirements		P
12	ENDURANCE TEST AND THERMAL TEST		P
12.3	- Endurance test		P
	. ta = 35°C [X] - ta = 25°C []		P
	. U = 1,05 U to Pn [X] - P = 1,05 Pn [] - U = 1,1 Un []		P
	. 10 cycles [X] - 7 cycles []		P
	. Results		P
12.4	- Thermal test (normal operation)		P
	. ta = 25°C		P
	. P = 1,05 Pn [X] - U = 1,0 Un puis 1,06 Un [] - U = 1,06 Un []		P



TEST REPORT N°: HVW-18DE363LTZS

EN 60598-1 and EN 60598-2-1			
Section	Requirement Test	Result – Value – Remark	Verdict

	. Results (below)		P
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PARTS	NA	Maximum temperature specified (°C+5°C)	Maximum temperature measured (°C)
. Lamps caps		210	182
. Ballast winding:	X		
- tw 130	X		
- tw	X		
. Transformer winding:	X		
- Class	X		
. Case:	X		
- Of capacitor	X		
- Of starting device	X		
- Of ballast	X		
- Of convertor	X		
. Insulation of wiring not stressed (mechanical stress):			
- PVC (external)	X		
- PVC (internal)		90	77
- PVC with sleeve		105	85
- Silicone [] -glassfibre []	X		
-FEP	X		
. Insulation of wiring stressed (mechanical stress):			
- PVC		75	58
- FEP	X		
- Silicone [] -glassfibre []	X		
. Heat-resisting sleeves	X		
. Contacts of ceramic lampholders	X		
. Insulating material			
- Of lampholder		210	173
- Of starter holder	X		
. Switches	X		
. Insulating materials retaining current-carrying parts in position			
- Terminal block		110	<30
. Insulating materials providing protection against electric shock			
- Lampholder cover		(1)	73
. Mounting surface		90	<30
. Means of adjustment [] metal part [] non-metal part	X		
. Surrounding space [] metal part [] non-metal part	X		
. Objects lighted (d = 0,1 m)		90	31
. Test recess	X		
. Track	X		



TEST REPORT N°: HVW-18DE363LTZS

EN 60598-1 and EN 60598-2-1			
Section	Requirement Test	Result – Value – Remark	Verdict
. Mains socket-outlet-mounted-luminaire and plug-ballast-transformer:	X		
- Case intended to be gripped by hand	X		
- Plug-socket interface	X		
- Other parts	X		
. Wood	X		
. Other requirements	X		
(1) No limit is specified, but these materials must satisfy the tests of section 13			

12.5	- Thermal test (abnormal operation)		NA
	. ta = 25°C		NA
	. P = 1,05 Pn [] - U = 1,1 Un [] -U = 1,06 Un []		NA
	. Abnormal circuit condition applied:		NA
	- Short-circuit of starter contacts []		NA
	- Overturning []		NA
	- Unfavorable adjusting to the lighted surface []		NA
	- Secondary circuit short-circuited []		NA
	- Other condition [] :		NA
	. Results (below)		NA

(**) The samples were stable to 15°

PARTS	NA	Maximum temperature specified (°C+5°C)	Maximum temperature measured (°C)
. Ballast winding:	X		
- tw 130	X		
- tw	X		
. Transformer winding:	X		
- Class H	X		
- Class	X		
. Case of capacitor	X		
. Mounting surface [] -Lighted surface []	X		
. Test recess	X		
. Track	X		
. Mains socket-outlet-mounted-luminaires and plug-ballast case parts intended to be gripped by hand	X		
Transformer case parts intended to be gripped by hand	X		



TEST REPORT N°: HVW-18DE363LTZS

EN 60598-1 and EN 60598-2-1			
Section	Requirement Test	Result – Value – Remark	Verdict
12.6	- Thermal test (failed lamp control gear conditions)		NA
	. ta = 25°C		NA
12.6.1	- Ballast/transformer without thermal cut-outs:		NA
	. Abnormal condition applied:		NA
	- Lamp not start []		NA
	- Other condition [] :		NA
	. Results (below):		NA
	- T° of mounting surface 180°C for T° winding = 350°C		NA
	Supply voltage	Temperatures (°C)	
		Of ballast winding	Of mounting surface
	0,9 Un	--	--
	1,0 Un	--	--
	1,1 Un	--	--
12.6.2	- Ballast/transformer with thermal cut-outs:		NA
	. Abnormal condition applied:		NA
	- Lamp not start []		NA
	- Other condition [] :		NA
	. Results:		NA
	- T° mounting surface 135°C (110°C)		NA
12.7	Thermal test (fault conditions in lamp controlgear or electronic devices in plastic luminaires)		NA
9	RESISTANCE TO DUST, SOLID OBJECTS AND MOISTURE		P
9.2	- Tests for ingress,	IP20	P
	. Of solid objects IP3X [] - 4X []	IP2X	P
	. Of dust IP5X [] - 6X []		NA
	. Of moisture IPX1 []- IPX2 [] - X3 [] - X4 [] - X5 [] - X6 [] - X7 [] - X8 []		NA
9.3	- Humidity test	48hrs, RH 93%, 29°C	P



TEST REPORT N°: HVW-18DE363LTZS

EN 60598-1 and EN 60598-2-1			
Section	Requirement Test	Result – Value – Remark	Verdict
10	INSULATION RESISTANCE AND ELECTRIC STRENGTH		P
10.2	Insulation	Insulation resistance	Electric strength
	Basic	≥ 1 MΩ [] ≥ 2 MΩ [X]	500 V [] 1480 V [X]
	Reinforced	≥ 4 MΩ [X]	2960 V [X]
	Supplementary	≥ 2 MΩ[X]	1480 V [X]
	. Results		P
	- Parts stressed by the pulse voltage		NA
10.3	- Touch current		NA
	- Protective conductor current	Max. 0,07 mA (Limit: 3,5 mA peak)	P
13	RESISTANCE TO HEAT, FIRE AND TRACKING		P
13.2	- Resistance to heat		P
	. Ball pressure test	Approved components and 98 °C tested on lampholder cover	P
13.3	- Resistance to flame and ignition		P
	. Needle-flame test	Approved components	P
	. Glow-wire test 650°C	Approved components and tested on lampholder cover	P
13.4	- Resistance to tracking		NA
	REQUIREMENTS STANDARD EN 60598-2-1		P
	REQUIREMENTS STANDARD EN 62493		P



TEST REPORT N°: HVW-18DE363LTZS

EN 60598-1 and EN 60598-2-1			
Section	Requirement Test	Result – Value – Remark	Verdict

Components list:

Object/part No.	Manufacturer/trademark	Type/model	Technical data	Mark(s) of conformity	1	2	3	R
Terminal block	Foshan City Shunde District Kaicheng Plastic Hardware Ltd.	230	AC 450 V, 17,5 A, T110	VDE	X			
External cable	Zhongshan Yucheng Lighting Accessories Factory	H03VV-F	300/300 V, 2 x 0,75 mm ²	VDE	X			
Earthing wire	Zhongshan Yucheng Lighting Accessories Factory	H05V-K	0, 75 mm ²	VDE	X			
Heat shrinkable tube	SALIPT	SALIPT S-901-600	600 V, 125 °C, UL E209436	Test with appliance			X	
E27 Lampholder	Zhongshan Guzhen Shangzheng Lampholder Factory	SZ-2702	AC 250 V, 4 A, T210	VDE	X			

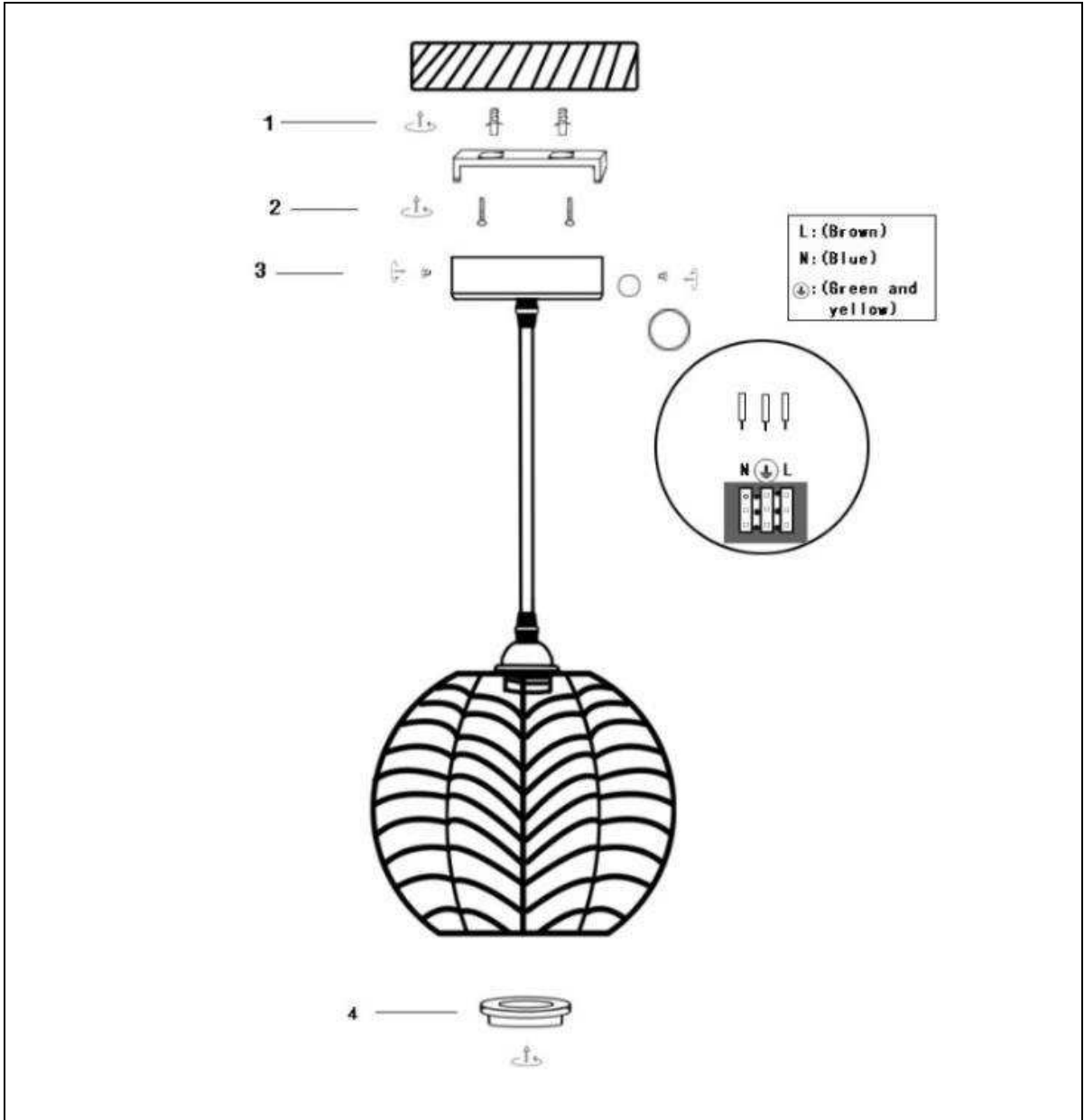
- (1) This component bears the stamp of a European conformity mark or has been granted a certificate of conformity.
- (2) Applicable specific rules do not exist for this component; consequently, it has been tested according to the requirements of appropriate clauses of applied documents and is satisfactory.
- (3) This component has been tested according to the requirements of appropriate clauses of applied documents and is satisfactory.



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VERITAS**

TEST REPORT N°: HVW-18DE363LTZS

Annex 1: (instruction sheet)





BUREAU
VERITAS

TEST REPORT N°: HVW-18DE363LTZS

*Bloomingtonville™



BUREAU
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TEST REPORT N°: HVW-18DE363LTZS

PENDANT LAMP

30706089



* Bloomingville™



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TEST REPORT N°: HVW-18DE363LTZS



ENGLISH IMPORTANT INFORMATION

Please read the entire manual before using this product. Follow the manual thoroughly and keep it for future reference. Always shut off power to the circuit before starting installation work.

DEUTSCH WICHTIGE INFORMATIONEN

Bitte lesen Sie das gesamte Handbuch, bevor Sie dieses Produkt verwenden. Befolgen Sie die Anweisungen im Handbuch gründlich und bewahren Sie dieses zum späteren Nachschlagen auf. Schalten Sie die Stromversorgung vor der Inbetriebnahme immer aus.

FRANÇAIS UNE INFORMATION IMPORTANT

S'il vous plaît lire le manuel entier avant de commencer à utiliser ce produit. Suivez le mode d'emploi et le conserver pour référence future. Toujours couper l'alimentation au panneau principal avant de procéder à l'installation.

NEDERLANDS BELANGRIJKE GEGEVENS

Lees de hele handleiding voordat u dit product te gebruiken. Volg de handleiding grondig door en bewaar deze voor toekomstig gebruik. Schakel de stroom altijd uit voordat met de installatie wordt begonnen.



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TEST REPORT N°: HVW-18DE363LTZS

DANSK

VIGTIG INFORMATION

Læs venligst hele manualen, før du begynder at bruge produktet. Følg vejledning grundigt og gem den til senere brug. Sluk altid for strømmen, før installationen påbegyndes.

NORSK

VIKTIG INFORMASJON

Vennligst les hele håndboken før du bruker dette produkt. Følg bruksanvisningen nøye og oppbevar den for fremtidig referanse. Streng av strømtilførselen til strømkretsen med riktig sikring før installasjonsarbeidet påbegynnes.

SVENSKA

VIKTIG INFORMATION

Läs hela bruksanvisningen innan du använder den här produkten. Följ bruksanvisningen noggrant och spara den för framtida bruk. Stäng alltid av strömmen innan installation påbörjas.

SUOMI

TÄRKEÄÄ TIETOA

Lue koko käsikirja ennen kuin alat käyttää tätä tuotetta. Noudata käyttöohjeita huolellisesti ja säilytä se myöhempää tarvetta varten. Katkaise aina virta pääkatkaisimesta ennen asennuksen aloittamista.



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TEST REPORT N°: HVW-18DE363LTZS

ESPAÑOL

INFORMACIÓN IMPORTANTE

Lea el manual completo antes de usar este producto. Siga el manual detenidamente y guárdelo para futuras consultas. Desconecta siempre el interruptor general de la electricidad antes de iniciar cualquier trabajo de instalación.

ITALIANO

INFORMAZIONI IMPORTANTI

Leggere l'intero manuale prima di utilizzare questo prodotto. Seguire attentamente il manuale e conservarlo per un futuro riferimento. Togli sempre tensione al circuito prima di iniziare l'installazione.

PORTUGUÊS

INFORMAÇÃO IMPORTANTE

Leia o manual inteiro antes de usar este produto. Siga o manual detalhadamente e mantenha-o para referência futura. Desligue sempre a corrente eléctrica antes de começar um trabalho de instalação.

POLSKI

WAŻNA INFORMACJA

Przed rozpoczęciem korzystania z tego produktu należy zapoznać się z instrukcją. Postępuj zgodnie z instrukcją dokładnie i zachować ją na przyszłość. Przed rozpoczęciem instalacji odłącz zasilanie.



Only markings in English Language present on the sample tested were checked and validated during this examination.

The text required by the standard should be translated into the official language of the country where the appliance will be sold.