Noor Lamp Co(P. J. S)

CE LVD REPORT

Prepared For:	Noor Lamp Co(P. J. S) No.16. 16th Alley.Shahid Hasanpoor Street. Jamaran. Shahid Bahonar Street (Niavaran). Tehran. Iran.
Product Name:	Explosion Proof Lamp
Trade Name:	\
Model:	Explosion Proof Lamp(20w)
Additional Model:	Explosion Proof Lamp(40w)
Prepared By:	BST Testing (Shenzhen) Co.,Ltd.
	No.7, New Era Industrial Zone, Guantian, Bao'an District, Shenzhen, Guangdong, China.
Test Date:	Apr.10.2024 To Apr.17.2024
Date of Report:	Apr.17.2024
Report No. :	

TEST REPORT

EN 61195

Double-capped fluorescent lamps

Safety specifications

Testing Laboratory Name .....:	BSL Testing (Shenzhen) Co.,Ltd.
Address ..... :	No.7,New Era Industrial Zone, Guantian, Bao'an District, Shenzhen, Guangdong, China
Testing location .....:	BSL Testing (Shenzhen) Co.,Ltd.
Applicant's Name .....:	Noor Lamp Co(P. S. J)
Address ..... :	No.16. 16th Alley.Shahid Hasanpoor Street. Jamaran. Shahid Bahonar Street (Niavaran). Tehran. Iran.
Manufacturer …… ……:	Yangzhou Yihang Photoelectric Technology Co., Ltd.
Address …… ……:	No.1-1, Maoshan Road, Zhenzhen Town, Yizheng City, Jiangsu Province
Test specification	
Standard.....:	EN 61195:1999/A1:2013
Procedure deviation ..... :	N/A
Non-standard test method .....:	N/A
Test item description .....:	Explosion Proof Lamp
Trademark .....:	\
Model and/or type reference .....:	Explosion Proof Lamp(20w) Explosion Proof Lamp(40w)
Rating(s).....:	370MA 57V 20W 50-60Hz 430MA 103V 40W 50-60Hz
Test case verdicts	
Test case does not apply to the test object ... :	N/A
Test item does meet the requirement .....:	P(ass)
Test item does not meet the requirement ..... :	F(ail)

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(s) tested.
”(see remark #)" refers to a remark appended to the report.
"(see Annex #)" refers to an annex appended to the report.
Clause numbers between brackets refer to clauses in EN 61195.
Throughout this report a comma is used as the decimal separator.

Copy of marking plate:

Product: EXPLOSION PROOF LAMP
Rated: 370MA 57V 20W 50-60Hz
430MA 103V 40W 50-60Hz
Model: Explosion Proof Lamp(20w)
Explosion Proof Lamp(40w)

Yangzhou Yihang Photoelectric Technology Co., Ltd.
MADE IN CHINA

Prepared by : Jade Zhan
Engineer

Reviewer : Jacky Zhang
Supervisor

Approved & Authorized Signer : Andy Yan
Manager

EN 61195			
Cl.	Requirement – Test	Result	Verdict
2	Safety requirements		--
2.2	Marking		P
2.2.1	The following information shall be legibly and durably marked on the lamps:		P
a)	Mark of origin		P
b)	The nominal wattage or any other indication which indentifies the lamp		P
2.2.2	Compliance is checked by the following:		--
a)	Presence and legibility of the marking by visual inspection		P
b)	durability of marking by applying the following test on unused lamps.	Rubbed by a smooth cloth dampened with water for 15 s.	P
2.3	Mechanical requirements for caps		--
2.3.1	Construction and assembly		P
2.3.1.1	For lamp types using caps G5, Gl3 and Rl7d		P
a)	for unused lamps Compliance is checked by applying a torque test to the pins, as follows：		P
	- the lamp cap shall remain firmly attached to the bulb and there shall be no rotational		P
b)	following a heating treatment for a period of 2000 h±50 h at a temperature of 120℃ ± 5 ℃, the cap shall remain firmly attached to the bulb and there shall be no rotational movement		P
2.3.1.2	For lamp types using caps Fa6 and Fa8, compliance is checked by inspection on unused lamps		N
2.3.1.3	For lamp types using cap 2Gl3：		N
a)	for unused lamps the cap shall remain firmly attached to the bulb when subjected to an axial pull of 40 N or a bending moment of 3 Nm.		N
b)	following a heating treatment for a period of 2 000 h + 50 h at a temperature of 120 ℃ + 5 ℃, the cap shall remain firmly attached to the bulb		N
2.3.2	Dimensional requirements for caps		P
2.3.2.1	Lamps shall use standardized caps in accordance with the requirements of IEC 60061-1		P

EN 61195			
Cl.	Requirement – Test	Result	Verdict
2.3.2.2	Compliance is checked by using the gauges shown in table 3		P
2.4	Insulation resistance		--
2.4.1	The insulation resistance between the metal shell of the cap and the pin(s) or contacts	⩾2MΩ	P
2.4.2	Compliance is checked by measurement with suitable test equipment using a d.c voltage of 500 V		P
2.5	Electric strength		--
2.5.1	This test shall not apply to lamps having caps with internal resistors		P
2.5.2	The insulation between the shell of the cap and the pin(s) or contacts shall withstand the test voltage.	1500V~, 1min	P
2.6	Parts which can become accidentally live		P
2.6.1	Metal parts intended to be insulated from live parts shall not be or become live		P
2.6.2	With the exception of cap pins no live part shall project from any part of the cap		P
2.6.3	Compliance is checked by a suitable measuring system which may include visual inspection where appropriate.		P
2.7	Resistance to heat and fire		--
2.7.1	Insulating material of caps shall be resistant to heat		P
2.7.3	External parts of insulating material shall be resistant to abnormal heat and to fire		P
2.8	Creepage distance for caps		--
2.8.1	The minimum creepage distance between contact pin(s) or contacts and the metal shell of the cap shall be in accordance with the requirements in IEC 60061-1.		P
2.9	Lamp cap temperature rise		--
2.9.1	For lamps using caps G5, G13 and 2G13, and designed for operation with the use of a starter	<95K	P
2.9.2	Compliance is checked by the procedure specified in annex B. Conditions of compliance are given in D.4.		P
2.9.3	Where it can be shown that one lamp group produces the highest cap temperature rise for a given lamp family		P

EN 61195			
Cl.	Requirement – Test	Result	Verdict
2.10	Lamp minimum overall length		--
2.10.1	To ensure retention in luminaires, lamps shall comply with a minimum overall length		P
	- for lamps with G5 and G13 caps: Bmin - 0,2 mm (under consideration)		P
	- for lamps with Fa8 caps: Bmin		N
	- for lamps with R17d and Fa6 caps: Cmin		N
2.11	Information for luminaire design	Refer to annex C	P
2.12	Information for ballast design		N
3	Assessment		--
3.2	Whole production assessment by means of the manufacturer's records		P
3.2.1	The manufacturer shall show evidence that his products comply with the particular requirements of 3.3.		N
3.2.2	The test results may be drawn from working records and as such may not be immediately available in collated form		P
3.2.3	The assessment shall be based in general on individual factories, each meeting the acceptance criteria of 3.3.		P
3.2.4	For certification purposes, the manufacturer shall declare a list of marks of origin and corresponding lamp families, groups and/or types which are within the scope of this standard and manufactured in a nominated group of factories.		P
3.2.5	In presenting the test results, the manufacturer may combine results of different lamp families, groups and/or types .		N
3.2.6	The manufacturer shall provide sufficient test records with respect to each clause.		N
3.2.8	The period of review for assessment purposes need not be limited to a predetermined year, but may consist of 12 consecutive calendar months immediately preceding the date of review.		P
3.2.9	the specified acceptance level was re-established within a period of		--
1)	six months for 2.3.1 and 2.9		P

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2)	one month for other clauses.		P
3.2.10	A manufacturer who has failed to meet the requirements of a clause where grouping of the test results is permitted under 3.2.5 shall not be disqualified		N
3.3	Assessment of the manufacturer's records of particular tests		P
3.4	Rejection conditions of batches		P
3.5	Sampling procedures for whole production testing		N
3.5.1	The conditions of table 4 apply		--
3.5.2	The whole production running tests shall be applied at least once per production day They may also be based on in-process inspection and testing.		N
3.5.3	Whole production tests shall be made on samples randomly selected at a rate not less than that indicated in column 5 0f table 4		--
3.6	Sampling procedures for batch testing rements for accidentally live parts (see 2.6) a continuous 100 % inspection.		P
3.6.1	The lamps for testing shall be selected in accordance with a mutually agreed method so as to ensure proper representation.		--
3.6.2	In order to cover the risk of accidental breakage, a certain number of lamps in addition to the test quantity shall be selected.		P
3.6.3	Number of lamps in the batch sample There shall be at least 500 lamps		P
3.6.4	Sequence of the tests		--
Annex A	Test holder for torsion test for G5 and G13 capped lamps		P
Annex B	Test for lamp cap temperature rise		P
B.2	The supply voltage shall be 110 % of the rated voltage of the reference ballast with the starter circuit continuously closed.		P
B.3	The test lamp shall be a normal production lamp but specially produced such that its cathodes are deactivated, i.e. without cathode emitter.		N

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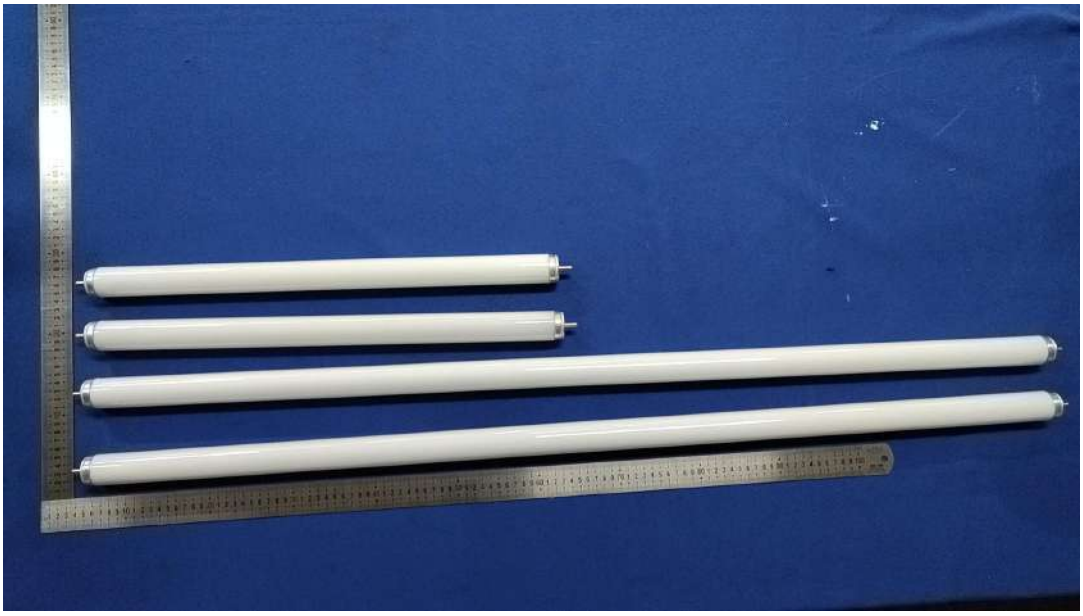
B.4	The test lamp, in a bare condition, shall be draught-free air, at 25 aC + 5 aC. The plane through suspended by means of nylon slings, in the cap pins shall be horizontal.		P
B.5	The electrical connections to the lamp shall be through l mm2 + 5 % copper wires attached to the cap pins.		P
B.6	For G5, G13 and 2G13 caps, the material of the cap as close to the centre thermocouple shall be attached to the insulating as possible.		P
B.7	The test shall continue until a stable temperature is achieved		P
Annex C	Information for luminaire design		--
C.1	Guidelines for safe lamp operation		P
C.2	Maximum lamp cap temperature under normal operating conditions		P
C.3	Spacing of lampholders		P
Annex D	Conditions of compliance for design tests		--
D.1	Cap construction and assembly Attachment of caps after heating		N
D.2	Insulation resistance and electric strength (see 2.4.2 and 2.5.3)		P
D.3	Resistance to heat ,fire, Cap creepage distance		P
D.4	Cap temperature rise (see 2.9.2)		P
Annex E	Information for ballast design		--
E.1	Guidelines for safe lamp operation		N
E.2	Lamp end temperature under abnormal operating conditions		N
E.3	Limitation of working voltage		N

ANNEX A:

Photo-documentation



End of the report