

# Test Report

**Report No.: FTS24GR-5715K**

**Product** : LED NEON STRIP FLAT SHAPE 10X10  
**Model list** : E9010805-032(2700K), E9010805-014(3000K),  
E9010805-016(4000K), E9010805-015(6000K),  
E9010805-017(RED), E9010805-039(GREEN),  
E9010805-018(BLUE),  
**Brand Name** : N/A  
**Applicant** : BARIS LIGHT V.BARIS CO OE  
**Date of Issue** : Jul 18, 2024  
**Standards** : IEC 62262: 2002  
IEC 60068-2-75: 2014  
**Test Item(s)** : Section 6.2 clause of IEC 62262: 2002 and IEC  
60068-2-75: 2014  
IK08 test

**Guangdong Future Test Services Co., Ltd.**

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# TEST REPORT

**Report reference No.**.....: FTS24GR-5715K

**Tested by (name + signature)** .....: Vilan Chan



**Reviewed by (name + signature)** ..: Bain Ye



**Date of issue** .....: Jul 18, 2024

**Testing Laboratory**.....: **Guangdong Future Test Services Co., Ltd.**

**Address**.....: No.228, Min'an South Road, Xiaolan Town, Zhongshan City, Guangdong Province, China

**Applicant's name**.....: **BARIS LIGHT V.BARIS CO OE**

**Address** .....: Eleftheriou Venizelou & Vyronos, P.C.: 26333, Patras Greece

**Test specification:**

**Standard** .....: Section 6.2 clause of IEC 62262: 2002  
IEC 60068-2-75: 2014

**Test procedure**.....: N/A

**Non-standard test method**.....: N/A

**Test Report Form No.**.....: N/A

**TRF Originator**.....: FTS

**Master TRF**.....: 2015-12

**Test item description** .....: **LED NEON STRIP FLAT SHAPE 10X10**

**Trade Mark** .....: N/A

**Manufacturer** .....: **BARIS LIGHT V.BARIS CO OE**

**Address** .....: Eleftheriou Venizelou & Vyronos, P.C.: 26333, Patras Greece

**Model/Type reference** .....: E9010805-032(2700K), E9010805-014(3000K), E9010805-016(4000K), E9010805-015(6000K), E9010805-017(RED), E9010805-039(GREEN), E9010805-018(BLUE),

**Ratings** .....: DC 24V, Class III, 8.5W/m, IK08

**Summary of testing:**

**1. The submitted appliances were fulfilled the requirements of specific standard Section 6.2 clause of:**

- IEC 62262: 2002
- IEC 60068-2-75: 2014

**General remarks:**

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

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“(see Appendix #)” refers to additional information appended to the report.

“(see appended table)” refers to a table appended to the report.

Throughout this report a point is used as the decimal separator.

**Testing:**

Date of receipt of test item .....: Jul 15, 2024

Date (s) of performance of tests .....: Jul 15, 2024 – Jul 18, 2024

**Possible test case verdicts:**

- test case does not apply to the test object .....: N/A (not applicable)
- test object does meet the requirement .....: P (Pass)
- test object does not meet the requirement .....: F (Fail)

**General product information and other remarks:**

1. Per customer's consignment, require to conduct IK08 test according to standard IEC 62262 and IEC 60068-2-75
2. E9010805-032(2700K) was tested as representative sample (lamp body part is tested).

Description of the Sample			
<b>Classification of the appliance</b>	<input checked="" type="checkbox"/> Indoor luminaire <input type="checkbox"/> Outdoor luminaire <input type="checkbox"/> Portable luminaire		
<b>Classification of protection against electric shock</b>	<input type="checkbox"/> Class I <input type="checkbox"/> Class II <input checked="" type="checkbox"/> Class III		
<b>IK Number</b>	IK08		
<b>Rated supply voltage</b>	24V	<b>Power supply type</b>	DC
<b>Rated power</b>	8.5W/m	<b>Power supply current</b>	--
<b>Type of the light source</b>	<input type="checkbox"/> Metal Halide Lamp <input type="checkbox"/> Fluorescent lamp <input type="checkbox"/> Low pressure mercury lamp <input type="checkbox"/> High pressure sodium lamp <input type="checkbox"/> High pressure mercury lamp <input checked="" type="checkbox"/> LED <input type="checkbox"/> Fluorescent lamp <input type="checkbox"/> Others: Bulbs		
<b>Dimensions</b>	--		
<b>Weight (kg)</b>	--		
<b>Remark</b>	--		

IEC 62262: 2002			
Clause	Requirement + Test	Result - Remark	Verdict
5.1	Unless otherwise specified in the relevant product standard, the test shall be carried out under the standard atmospheric conditions for tests described in IEC 60068-1: – temperature range: 15 °C to 35 °C, – air pressure: 86 kPa to 106 kPa (860 mbar to 1 060 mbar).	25.4°C	P
6.2	In order to verify the protection against mechanical impacts, blows shall be applied to the enclosure to be tested. The devices to be used for this test are described in clause 7.	IK08 (0.3m, 1.7kg), no cracking	P
6.4	The number of impacts shall be five on each exposed face unless otherwise specified in the relevant product standard. The impacts shall be evenly distributed on the faces of the enclosure(s) under test. In no case shall more than three impacts be applied in the surroundings of the same point of the enclosure. The relevant product standard shall specify the points of application of impacts.		-
7	The test shall be done by using one of the test apparatus described in IEC 60068-2-75. The relevant product standard shall specify which types of test apparatus are appropriate.	See table C.1	-

## Annex 1

**Table 1 – Relation between IK code and impact energy**

IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Impact energy, J	*	0,14	0,2	0,35	0,5	0,7	1	2	5	10	20
* Not protected according to this standard.											
NOTE 1 When higher impact energy is required, the value of 50 J is recommended.											
NOTE 2 A characteristic group numeral of two figures has been chosen to avoid confusion with some national standards which used a single numeral for a specific impact energy.											

## Annex 2

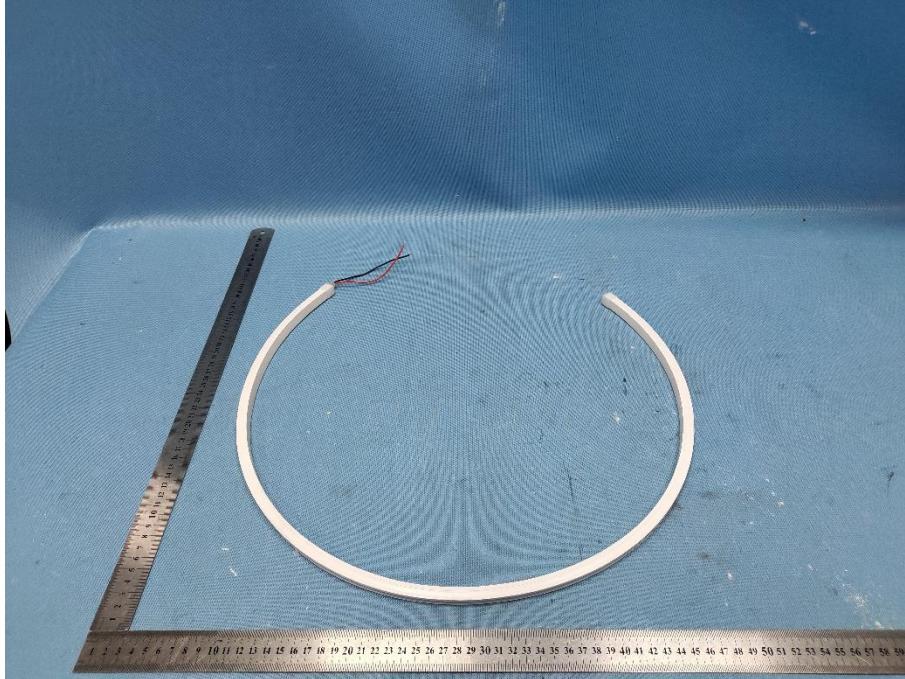
**Table 2 – Height of fall**

Energy J	0,14	0,2		(0,3)	0,35	(0,4)	0,5		0,7	1	2	5	10	20	50
Equivalent mass kg	0,25	(0,2)	0,25	(0,2)	0,25	(0,2)	(0,2)	0,25	0,25	0,25	0,5	1,7	5	5	10
Height of fall mm ± 1 %	56	(100)	80	(150)	140	(200)	(250)	200	280	400	400	300	200	400	500

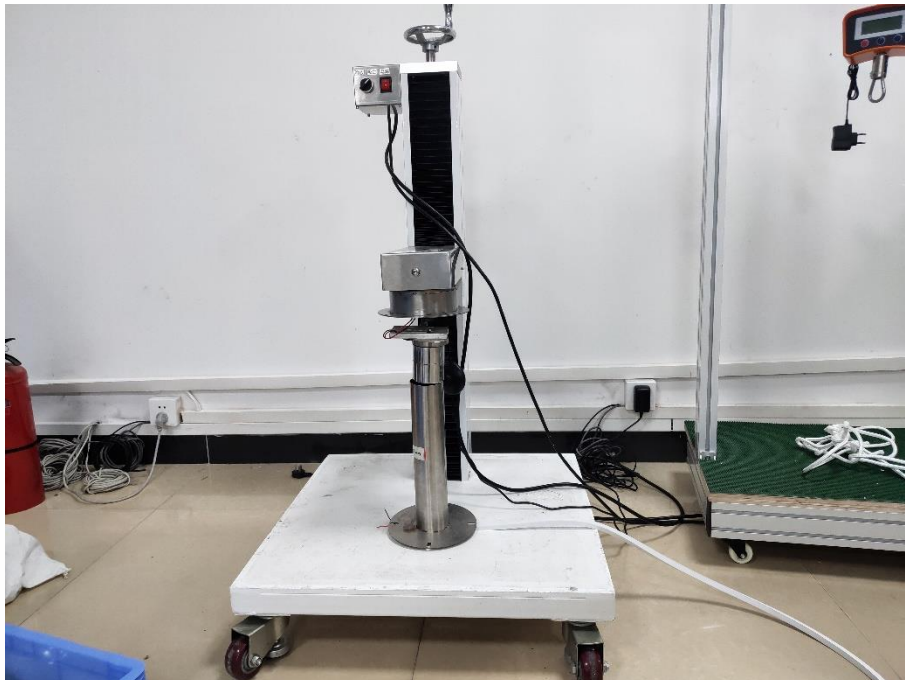
NOTE 1 Figures in brackets appear in previous IEC 60068-2 standards; although no longer recommended, they may be used for historic consistency.

NOTE 2 In this part of IEC 60068, the energy, J, is calculated taking the standard acceleration due to the earth's gravity ( $g_n$ ), rounded up to the nearest whole number, that is 10 m/s<sup>2</sup>.

**Product photos:**



Over view



IK08 Test photo



## General Declaration

The report must not be partly copied without the written approval.

The results are valid only to the sample submitted for the test.

The report will be invalid without the test seal special of the Lab.

The report is invalid without the signature of editor, reviewer and approver.

The report is invalid when altered.

---- End of Test Report ----