

Ledworks SRL

SCOPE OF WORK

EMC TESTING—Refer to page 5

REPORT NUMBER

190425162GZU-007

ISSUE DATE

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11-September-2019

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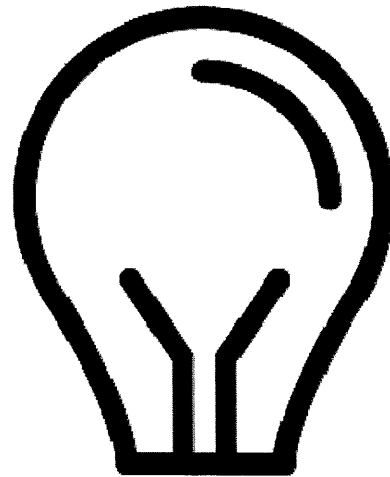
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EN 62493:2015(EN 62311)-b

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TEST REPORT

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Applicant Name & : Ledworks SRL
Address : Via Calabiana 6, Milano 20100
Manufacturing Site : Same as applicant
Intertek Report No: 190425162GZU-007

Test standards

EN 62493:2015

Sample Description

Product : LED Lighting Chains
Model sNo. : Refer to page 5
Electrical Rating : Refer to page 5
Serial No. : Not Labeled
Date Received : 25 April 2019
Date Test : 25 April 2019-30 August 2019
Conducted

Prepared and Checked By

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TEST REPORT

Evaluation	Evaluation Requirement	Evaluation Method	Class / Severity	Result
Induced internal electric field (20 kHz-10 MHz)	EN 62493	EN 62493	F<1	PASS
RF Exposure	EN 62493	EN 62311	61 V/m	PASS
RF Exposure	EN 62493	EN 62479	13dBm	PASS

Remark:

1. The symbol "N/A" in above table means Not Applicable.
2. When determining the test results, measurement uncertainty of tests has been considered.
3. RF Exposure(EN62311) for WIFI part can refer to report 190425162GZU-004
4. RF Exposure(EN62479) for Bluetooth part can refer to report 190425162GZU-005

TEST REPORT**Electrical Rating:**

For drivers input: 220-240 V \sim ; 50-60 Hz; Class II; SELV; independent,

For luminaire body of models TWS150STP-BEU, TWS150STP-BUK:

24Vdc; 1,0A; Class III; IP44; 150 pcs non-replaceable LEDs;

Adaptor model: DP045A24000100HK

Input: 100-240Vac, 50/60Hz, Max 0.6A

Output: 24Vdc, 1.0A

For luminaire body of models TWI190STP-TEU, TWI190STP-TUK, TWI190SPP-TEU,
TWI190SPP-TUK, TWI190GOP-TEU, TWI190GOP-TUK:

24Vdc,1.0A; Class III; IP44; 190 pcs non-replaceable LEDs;

Adaptor model: DP045A24000100HK

Input: 100-240Vac, 50/60Hz, Max 0.6A

Output: 24Vdc, 1.0A

For luminaire body of models TWS250STP-BEU, TWS250STP- BUK, TWS250GOP-BEU,
TWS250GOP-BUK:

24Vdc; 1.0A; Class III; IP44; 250 pcs non-replaceable LEDs;

Adaptor model: DP045A24000100HK

Input: 100-240Vac, 50/60Hz, Max 0.6A

Output: 24Vdc, 1.0A

For luminaire body of models TWF020STP-BEU, TWS250SPP-BUK

24Vdc; 1.0A; Class III; IP44; 40 pcs non-replaceable LEDs;

Adaptor model: DP045A24000100HK

Input: 100-240Vac, 50/60Hz, Max 0.6A

Output: 24Vdc, 1.0A

For luminaire body of models TWS250SPP-BEU, TWS250SPP-BUK,
TWS250SPP-TEU, TWS250SPP-TUK:

24Vdc; 1.5A; Class III; IP44; 250 pcs non-replaceable LEDs;

Adaptor model: XY36J-240150VH-BT

Input: 100-240Vac, 50/60Hz, Max 0.5A

Output: 24Vdc, 1.5A

For luminaire body of models TWS400STP-BEU; TWS400STP- BUK:

24Vdc; 1.5A; Class III; IP44; 400 pcs non-replaceable LEDs;

Adaptor model: XY36J-240150VH-BT

Input: 100-240Vac, 50/60Hz, Max 0.5A

Output: 24Vdc, 1.5A

TEST REPORT

All model with the same Bluetooth and WIFI module

WIFI and BT cannot work simultaneously, during the normal operation the BT is off. It is needed only the first time to setup the controller.

The suffix of EU refers to Europe plug, UK refers to UK plug

TWS150STP-BEU, TWS150STP-BUK, TWS250STP-BEU, TWS250STP- BUK, TWS250SPP-BEU, TWS250SPP-BUK, TWS250SPP-TEU, TWS250SPP-TUK, TWS250GOP-BEU, TWS250GOP-BUK, TWI190STP-TEU, TWI190STP-TUK, TWI190SPP-TEU, TWI190SPP-TUK, TWI190GOP-TEU, TWI190GOP-TUK, these models are declared to be identical in terms of electrical and mechanical design. Their difference lies in the number of LED

TWF020STP-BEU, TWF020STP-BUK, these models are declared to be identical in terms of electrical and mechanical design. Their difference lies in the plug type.

TWS400STP-BEU, TWS400STP- BUK, these models are declared to be identical in terms of electrical and mechanical design. Their difference lies in the plug type.

So model TWS400STP-BEU, TWS250GOP-BEU, TWI190GOP-TEU, TWF020STP-BEU were selected for full test

We tested the LED Lighting Chains, Models: TWS400STP-BEU, TWS250GOP-BEU, TWI190GOP-TEU, TWF020STP-BEU, to determine if it was in compliance with the relevant standards as marked on the Test Results Summary. We found that the unit met the requirement of EN 62493 standards when tested as received. The worst case's test data was presented in this test report.

The production units are required to conform to the initial sample as received when the units are placed on the market.