


# Test Verification of Conformity

Verification Number: 200512022GZU-VOC001

On the basis of the referenced test report(s), sample(s) tested of the below product have been found to comply with the standards harmonized with the directives listed on this verification at the time the tests were carried out. Other standards and Directives may be relevant to the product. This verification is part of the full test report(s) and should be read in conjunction with it <them>. This verification replaces previous verification VOC200420148GZU-001 dated: 21 May 2020

Once compliance with all product relevant  mark directives are verified, including any relevant e.g. risk assessment and production control, the manufacturer may indicate compliance by signing a Declaration of Conformity themselves and applying the mark to products identical to the tested sample(s).

Applicant Name & Address:	Ledworks SRL Via Arcivescovo Calabiana 6, 20139 Milano - Italy
Product Description:	LED Lighting Chains
Ratings & Principle Characteristics:	See Appendix
Models/Type References:	See Appendix
Brand Name:	--
Relevant Standards/Directives:	EN 60598-1: 2015 + A1: 2018; EN 60598-2-20:2015; EN 61347-1:2015; EN 61347-2-11:2001+A1:2019; EN IEC 62031:2020; EN 62471:2008; EN 62493: 2015; Article 3.1a of the Radio Equipment Directive 2014/53/EU
Verification Issuing Office Name & Address:	Intertek Testing Services Shenzhen Ltd. Guangzhou Branch Room 02, & 101/E201/E301/E401/E501/E601/E701/E801 of Room 01 1-8/F., No. 7-2. Caipin Road, Science City, GETDD, Guangzhou, Guangdong, China
Date of Tests:	12 May 2020 to 08 July 2020
Test Report Number(s):	190425161GZU-001 (M2)
Additional information in Appendix.	

  
Signature

**Name: Shelley Ying**

**Position: Technical Manager**

**Date: 08 July 2020**

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## APPENDIX: Test Verification of Conformity

This is an Appendix to Test Verification of Conformity Number: 200512022GZU-VOC001.

Ratings & Principle  
Characteristics:

For drivers input: 220-240 V~ or 100-240 V~; 50/60 Hz;  
Class II; SELV; independent;

For luminaire body input of models TWFO20STP-BEU; TWFO20STP-BUK;  
TWFO20STP-BUS; TWFO20STP-BAU; TWFO20STP-BFR; TWFO20ADP-BEU;  
TWFO20ADP-BUS; TWFO20ADP-BFR: 24 VDC; Class III; IP44; 20 pcs non-  
replaceable LEDs;

For luminaire body input of models TWR050SPP-BEU; TWR050SPP-BUK;  
TWR050SPP-BFR; TWG050SPP-BEU; TWG050SPP-BUK; TWG050SPP-BFR: 24  
VDC; Class III; IP44; 50 pcs non-replaceable LEDs;

For luminaire body input of models TWS100STP-BEU; TWS100STP-BUK;  
TWS100STP-BFR: 24 VDC; Class III; IP44; 100 pcs non-replaceable LEDs;

For luminaire body input of models TWS150STP-BEU; TWS150STP-BUK;  
TWS150STP-BUS; TWS150STP-BAU; TWS150STP-BFR: 24 VDC; Class III; IP44;  
150 pcs non-replaceable LEDs;

For luminaire body input of models TWI190STP-TEU; TWI190STP-TUK;  
TWI190STP-TUS; TWI190STP-TAU; TWI190STP-TFR; TWI190SPP-TEU;  
TWI190SPP-TUK; TWI190SPP-TUS; TWI190SPP-TAU; TWI190SPP-TFR;  
TWI190GOP-TEU; TWI190GOP-TUK; TWI190GOP-TUS; TWI190GOP-TAU;  
TWI190GOP-TFR: 24 VDC; Class III; IP44; 190 pcs non-replaceable LEDs;

For luminaire body input of models TWB200STP-WEU; TWB200STP-WUK;  
TWB200STP-WFR: 24 VDC; Class III; IP44; 200 pcs non-replaceable LEDs;

For luminaire body input of models TWW210SPP-TEU; TWW210SPP-TUK;  
TWW210SPP-TFR: 24 VDC; Class III; IP44; 210 pcs non-replaceable LEDs;

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Ratings & Principle  
Characteristics:  
(continued)

For luminaire body input of models TWT250STP-BEU; TWT250STP-BUK; TWT250STP-BFR; TWT250GOP-BEU; TWT250GOP-BUK; TWT250GOP-BFR; TWS250GOP-BEU; TWS250GOP-BUK; TWS250GOP-BUS; TWS250GOP-BAU; TWS250GOP-TFR; TWS250SPP-BEU; TWS250SPP-BUK; TWS250SPP-BUS; TWS250SPP-BAU; TWS250SPP-BFR; TWS250SPP-TFR; TWS250SPP-TEU; TWS250SPP-TUK; TWS250SPP-TUS; TWS250SPP-TAU; TWS250STP-BEU; TWS250STP-BUK; TWS250STP-BUS; TWS250STP-BAU; TWS250STP-BFR: 24 VDC; Class III; IP44; 250 pcs non-replaceable LEDs;

For luminaire body input of models TWT400SPP-BEU; TWT400SPP-BUK; TWT400SPP-BFR; TWT400STP-BEU; TWT400STP-BUK; TWT400STP-BFR; TWT400GOP-BEU; TWT400GOP-BUK; TWT400GOP-BFR; TWC400STP-BEU; TWC400STP-BUK; TWC400STP-BFR; TWC400GOP-BEU; TWC400GOP-BUK; TWC400GOP-BFR; TWS400GOP-BEU; TWS400GOP-BUK; TWS400GOP-TFR; TWS400SPP-BEU; TWS400SPP-BUK; TWS400SPP-TFR; TWS400STP-BEU; TWS400STP-BUK; TWS400STP-BUS; TWS400STP-BAU; TWS400STP-BFR: 24 VDC; Class III; IP44; 400 pcs non-replaceable LEDs;

For luminaire body input of models TWT500STP-BEU; TWT500STP-BUK; TWT500STP-BFR; TWT500GOP-BEU; TWT500GOP-BUK; TWT500GOP-BFR: 24 VDC; Class III; IP44; 500 pcs non-replaceable LEDs;

For luminaire body input of models TWS600STP-BEU; TWS600STP-BUK; TWS600STP-BFR: 24 VDC; Class III; IP44; 600 pcs non-replaceable LEDs;

Suitable for directly mounted on normal flammable surfaces.

Signature



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### Models/Type References:

WS100STP-BEU; TWS100STP-BUK; TWS100STP-BFR; TWS150STP-BEU;  
TWS150STP-BUK; TWS150STP-BUS; TWS150STP-BAU; TWS150STP-BFR;  
TWS250STP-BEU; TWS250STP-BUK; TWS250STP-BUS; TWS250STP-BAU;  
TWS250STP-BFR; TWS400STP-BEU; TWS400STP-BUK; TWS400STP-BUS;  
TWS400STP-BAU; TWS400STP-BFR; TWS600STP-BEU; TWS600STP-BUK;  
TWS600STP-BFR; TWS250SPP-BEU; TWS250SPP-BUK; TWS250SPP-BUS;  
TWS250SPP-BAU; TWS250SPP-BFR; TWS250SPP-TFR; TWS250SPP-TEU;  
TWS250SPP-TUK; TWS250SPP-TUS; TWS250SPP-TAU; TWS400SPP-BEU;  
TWS400SPP-BUK; TWS400SPP-TFR; TWS250GOP-BEU; TWS250GOP-BUK;  
TWS250GOP-BUS; TWS250GOP-BAU; TWS250GOP-TFR; TWS400GOP-BEU;  
TWS400GOP-BUK; TWS400GOP-TFR; TWI190STP-TEU; TWI190STP-TUK;  
TWI190STP-TUS; TWI190STP-TAU; TWI190STP-TFR; TWI190SPP-TEU;  
TWI190SPP-TUK; TWI190SPP-TUS; TWI190SPP-TAU; TWI190SPP-TFR;  
TWI190GOP-TEU; TWI190GOP-TUK; TWI190GOP-TUS; TWI190GOP-TAU;  
TWI190GOP-TFR; TWF020STP-BEU; TWF020STP-BUK; TWF020STP-BUS;  
TWF020STP-BAU; TWF020STP-BFR; TWF020ADP-BEU; TWF020ADP-BUS;  
TWF020ADP-BFR; TWW210SPP-TEU; TWW210SPP-TUK; TWW210SPP-TFR;  
TWB200STP-WEU; TWB200STP-WUK; TWB200STP-WFR; TWC400STP-BEU;  
TWC400STP-BUK; TWC400STP-BFR; TWC400GOP-BEU; TWC400GOP-BUK;  
TWC400GOP-BFR; TWT250STP-BEU; TWT250STP-BUK; TWT250STP-BFR;  
TWT250GOP-BEU; TWT250GOP-BUK; TWT250GOP-BFR; TWT400SPP-BEU;  
TWT400SPP-BUK; TWT400SPP-BFR; TWT400STP-BEU; TWT400STP-BUK;  
TWT400STP-BFR; TWT400GOP-BEU; TWT400GOP-BUK; TWT400GOP-BFR;  
TWT500STP-BEU; TWT500STP-BUK; TWT500STP-BFR; TWT500GOP-BEU;  
TWT500GOP-BUK; TWT500GOP-BFR; TWR050SPP-BEU; TWR050SPP-BUK;  
TWR050SPP-BFR; TWG050SPP-BEU; TWG050SPP-BUK; TWG050SPP-BFR  
(total 104 models)

Remark: the suffix of EU refers to Europe plug, UK refers to UK plug; US refers to US plug; AU refers to Australia plug, FR refers to French plug

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