

CHANGDE (GUANGDONG) INTERNATIONAL TRADING CO., LTD

TEST REPORT

SCOPE OF WORK

EMC TESTING—SEE PAGE 4

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TRF-EN IEC 55015

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Manufacturing Site : Same as applicant.

Intertek Report No: 240712051GZU-001

Test Standards

EN IEC 55015:2019+A11:2020
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+A1:2019+A2:2021
EN IEC 61547:2023

Sample Description

Product : Lighting Chain (LED) for Indoor and Outdoor Use

Model No. : See page 4

Electrical Rating : 220-240 V~; 50/60 Hz; Class II; IP66; Max. 155 W;
Max. 0,07 W (3V/0,02A) for each non-replaceable LED lamp;
Suitable for directly mounting on normally flammable surfaces.

Serial No. : Not Labeled

Date Received : 24 March 2022

Date Test : --

Conducted

Prepared and Checked By

Approved By:



Jackson Zhang

Sr. Project Engineer



Sky Zhu

Supervisor

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1. EMC RESULTS CONCLUSION

Test result:

After evaluated on the submitted sample according to the applied standards, we found that the unit met the requirement of 2014/30/EU directive and EN IEC 55015, EN IEC 61547, EN IEC 61000-3-2, EN 61000-3-3 standards.

Models:

LED-BSR-XX-YYM-230V series, LED-BCR-XX-YY*ZMZ-230V series, LED-BGR-XX-YY*ZMZ-230V series, LED-BPR-AABBY* ZMZ-230V series; For the configuration of lighting chain,

“BS” denotes “straight line”;

“BC” denotes “icicle”;

“BG” denotes “net”; “BP” denotes “curtain”;

“R” denotes rubber wire.

“XX” can be “25-300” for “straight line” and “icicle” configuration, “50-1000” for “net” configuration, denotes the quantity of lamp in lighting chain;

“YY” can be “2-100”, denotes the length of lighting chain in meters;

“ZZ” can be “2-100”, denotes the width of lighting chain in meters;

“AA” can be “25-100”, denotes the quantity of lamp in each branch string of lighting chain;

“BB” can be “2-40”, denotes the quantity of branch string connected in lighting chain;

The maximum quantity of lamp for LED-BPR-AABB-YY*ZMZ-230V series are 2000.

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For the units are LED lamp luminaires and which do not incorporate any light regulating device or electronic circuit, Standards against which no testing of the captioned model has been conducted and the engineering judgement is stated as follows:

EN IEC 55015 :

According to EN IEC 55015, A passive EUT is deemed to fulfil the requirements of this document without further testing. Examples of such equipment include: luminaires suitable for incandescent lamps or selfballasted lamps, transformers for incandescent or self-ballasted lamps that do not regulate the voltage by means of active electronic components, luminaires fitted with only LEDs and passive components. Mains rectifier diodes are considered passive components.

EN IEC 61000-3-2:

According to EN IEC 61000-3-2, Luminaires which comprise only passive devices that produce no harmonic currents are deemed to comply with this document and need not to be tested.

EN 61000-3-3:

According to EN61000-3-3, For voltage changes caused by manual switching, equipment is deemed to comply this standard without further testing if the maximum r.m.s input current (including inrush current) evaluated over each 10 ms half-period between zero-crossings does not exceed 20 A, and the supply current after inrush is within a variation band of 1,5 A.

EN IEC 61547:

According to EN IEC 61547, Lighting equipment in which the light source is mains frequency/battery operated and which does not contain any active electronic component is deemed to fulfil the immunity requirements without testing.

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

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2. APPENDIX I – PHOTOS OF EUT

Overview of model LED-BGR-100-1*2M-230V



Overview of model LED-BPR-9020-2*9M-230V



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Overview of Connector



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Overview of Connector



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Overview of LED Lamp



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Overview of LED Lamp



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Overview of Rectifier



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Interna View of Rectifier with Potting Compound



UK Plug View



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*****End of Report*****