TEST REPORT

Application No.....:	S201801078961
Applicant's name.....:	Shenzhen CARY Technology Co., Ltd.
Applicant's address :	Building 1,No.29 Industrial West Zone, Makan Road, Xili Town, Nanshan District, Shenzhen, Guangdong, China
Sample description: :	Linear LED Lighting for Hazardous Locations
Model .....:	KLE1011U56C460
Date of receipt of test item.....:	2018-01-08
Test location .....:	Room 02,The 2nd floor No.201, GRG Technological Building,163 Ping Yun Rd, Tianhe District, Guangzhou, China
Test standard.....:	IEC 62262: 2002 Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK 10)
Test date(s) .....:	2018-01-09
Test result .....:	*Pass*
Date of issue.....:	2018-01-11

Tested by:	**Reviewed by:**	**Approved by:**
Bill Luo	Jinjin Teng	Connie Yang / Manager

FANGGUANG INSPECTION & TESTING CO.,LTD. APPROVED(01)

Other aspects: *I*

Abbreviations: *P = passed; F = failed; N/A = not applicable*

The test result in this test report refers exclusively to the presented test sample. This report shall not be reproduced, except in full, without the written approval of FGTEST.

Test item description..:	Linear LED Lighting for Hazardous Locations
Trade mark.....:	CARY
Manufacturer .....:	Shenzhen CARY Technology Co., Ltd.
Address.....:	Building 1,No.29 Industrial West Zone, Makan Road, Xili Town, Nanshan District, Shenzhen,Guangdong, China
Factory .....:	Shenzhen CARY Technology Co., Ltd.
Address.....:	Building 1,No.29 Industrial West Zone, Makan Road, Xili Town, Nanshan District, Shenzhen,Guangdong, China
Ratings.....:	100-277VAC

Test item particulars:

Type of item	:	Laboratory
Description of equipment function	:	/
Connection to mains supply.....	:	/
Overvoltage category.....	:	II
Means of protection.....	:	/
Environmental conditions.....	:	Normal
Equipment mobility.....	:	Fixed
Operating conditions	:	Continuous
Marked degree of protection to IEC 60529	:	N/A

General product information:

See page 5

Copy of marking plate:

N/A

IEC 62262			
Clause	Requirement + Test	Result - Remark	Verdict
5	**General requirements for tests**		**P**
5.1	The test shall be carried out under the standard atmospheric conditions for tests described in IEC 60068-1: -- temperature range: 15℃ to 35℃, -- air pressure: 86 kPa to 106 kPa (860 mbar to1060 mbar)。	25.1℃/101 kPa	P
5.2	Each enclosure under test shall be in a clean and new condition, complete with all its parts in place.		P
5.3	Specifications to be given in the relevant product standard.		N/A
6	**Test to verify the protection against mechanical impacts**		**P**
6.1	The test specified in this standard is a type test.		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.	IK code: IK 10 Impact energy:20J	P
6.3	During the test the enclosure shall be mounted on a rigid support, according to the manufacturer's instructions for use.		P
6.4	The number of impacts shall be five on each exposed face unless otherwise specified in the relevant product standard.		P
6.5	The relevant product standard shall specify the criteria upon which the acceptance or rejection of the enclosure is to be based, particularly -- admissible damages, -- Verification criteria relative to the continuity of the safety and reliability of the equipment.	See table 6.5	P
7	**Test apparatus**		**P**
	The test shall be done by using one of the test apparatus described in IEC 60068-2-75.	Figure A.5 – Example of a striking element for 20 J	P
	The relevant product standard shall specify which types of test apparatus are appropriate.		N/A

table 6.5	**impact test**			**P**
Model	Location	Impact number of times	Impact energy (J)	Comments
KLE1011U56C460	Front surface of enclosure	5	20	No crack; No damage
	Side surface of enclosure	5	20	No crack; No damage
	Back surface of enclosure	5	20	No crack; No damage
Supplementary information:	N/A			
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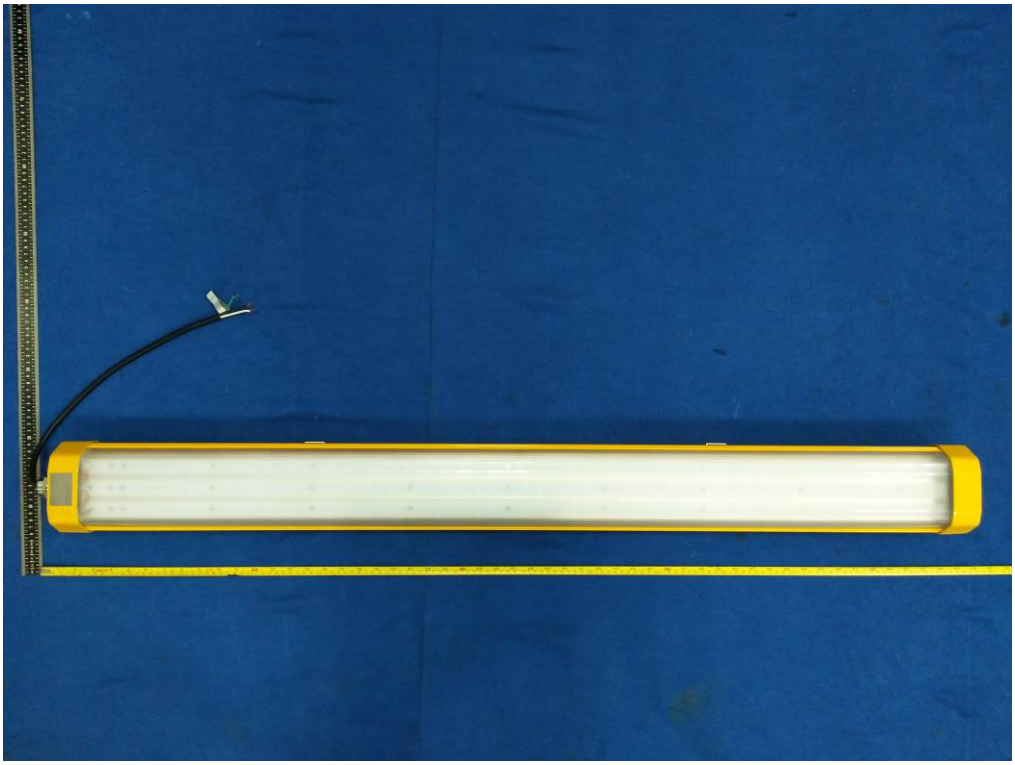
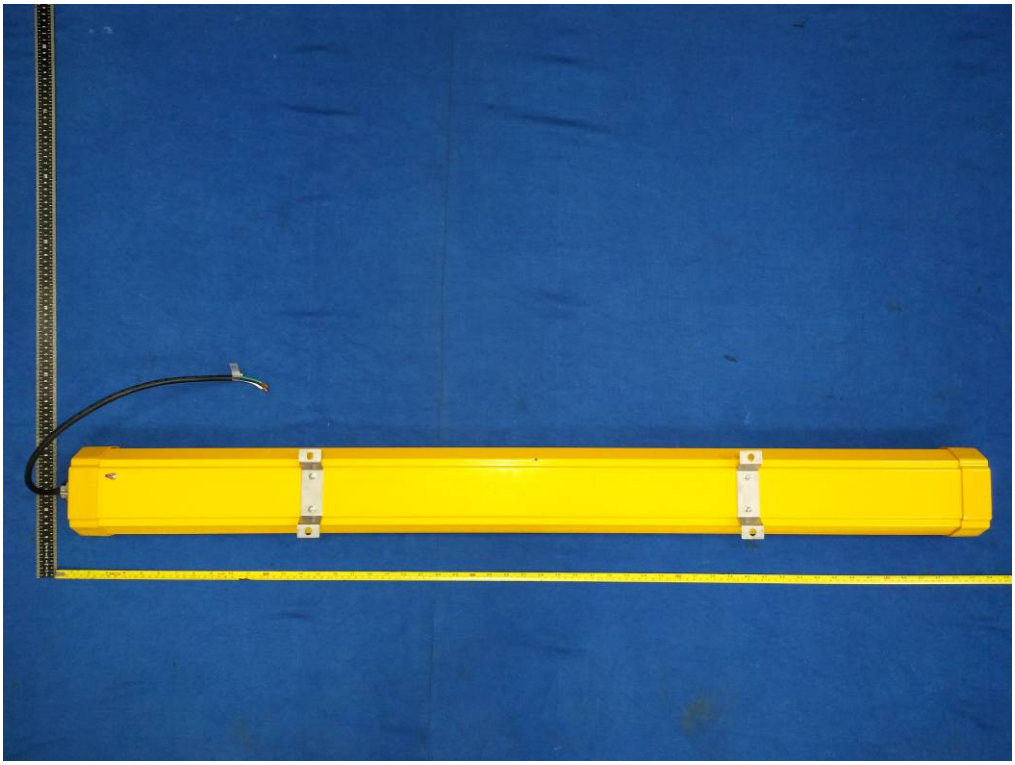
Attachment 1 Test Equipment List

No.	Equipment name	Model	Equipment No.	Due of calibration
1.	Test steel ball	JB-20J	FGZDA-2016-099	2018-10-28
2.	Digital thermo-hygrometer	RJ900	FGZDA-2016-090	2018-10-24
3.	Electronic scale	XK3100-KW	FGZDA-2016-037	2018-09-03
4.	Tape measure	0-600mm	FGZDA-2016-520	2019-06-15

Attachment 2 Photos of test samples:



Front view



Back view

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