



Technical Report No. 68.140.17.455.01

Dated 2017-06-08

- Client: Name: MSD LIGHTING CO., LIMITED
Address: 6/F, Lixinda Industrial Park, No. 14 of Zhengcheng Road 1, Fuyong, Bao'an, PEOPLE'S REPUBLIC OF CHINA
Contact person: Tony Tan
- Manufacturing place: Manufacturer's name: Same as client
Address: Same as client
Factory's name: Same as client
Address: Same as client
- Test subject: Product: LED Linear Light
Type: TPSL0621-WX; TPSL0621-WY; TPSL1241-WX; TPSL1241-WY;
TPSL1551-WX; TPSL1551-WY; TPSL1261-WX; TPSL1261-WY;
TPSL1581-WX; TPSL1581-WY
Trade mark: N/A
- Test specification: IK10 test according to EN 62262:2002.
- Purpose of examination:
- inspection according to specified requirements to realize the conformity with the Produktsicherheitsgesetz –ProdSG, version Nov 08, 2011
 - inspection according to specified requirements to realize the observance of the protection aims of the following EC directives:
 - LVD directive 2014/35/EU
 - EMC directive 2014/30/EU
 - Test according to the test specification
- Test result: The test results show that the presented products are in compliance with the specified requirements

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.



1 Description of the test subject

1.1 Function

Manufacturer's specification for intended use:
LED Linear Light for indoor and outdoor use.

Manufacturer's specification for predictive misuse:
No restrictions provided

1.2 Consideration of the foreseeable misuse

- Not applicable
- Covered through the applied standard
- Covered by the following comment
- Covered by attached risk analysis

1.3 Technical Data

Nil

2 Order

2.1 Date of Purchase Order, Customer's Reference

2017-05-08

2.2 Receipt of Test Sample, Location

2pcs samples were received on 2017-05-08, EnE Department, Shenzhen

2.3 Date of Testing

2017-05-08 to 2017-06-08

2.4 Location of Testing

Building 12&13, Zhiheng Wisdomland Business Park Nantou Checkpoint Road 2, Nanshan District 518052 Shenzhen CHINA

2.5 Points of Non-compliance or Exceptions of the Test Procedure

None



3 Test Results

3.1 IK10 code test [according to EN 62262:2002]

Test condition:

6.3 During the test the enclosure shall be mounted on a rigid support, according to the manufacturer's instructions for use. A support is considered to be sufficiently rigid if its displacement is less than or equal to 0,1 mm under the effect of an impact directly applied and whose energy corresponds to the degree of protection. Alternative mounting and support, suitable for the product, may be specified in the relevant product standard.

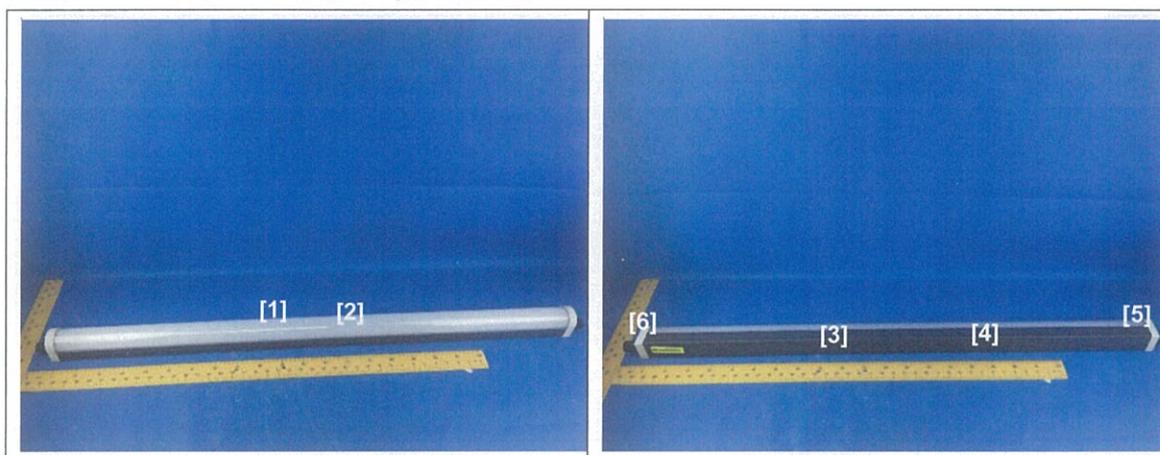
6.4 The number of impacts shall be five on each exposed face unless otherwise specified in the relevant product standard. The impacts shall be evenly distributed on the faces of the enclosures under test. In no case shall more than three impacts be applied in the surroundings of the same point of the enclosure. The relevant product standard shall specify the points of application of impacts.

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.											

Test part	Impact No.	Impact energy (J)	Test evaluation
Test model: TPSL1581-WY			
Plastic cover [1]	3	20	Admissible damage
Plastic cover [2]	2	20	Admissible damage
Metal enclosure [3]	3	20	Admissible damage
Metal enclosure [4]	2	20	Admissible damage
Metal end cover [5]	3	20	Admissible damage
Metal end cover [6]	2	20	Admissible damage

Test model: TPSL1581-WY, test points as below:



4 Remark

- 4.1 Annex 1: model list.
- 4.2 Annex 2: Photo documentation.

5 Documentation

Nil

6 Summary

The test specifications are met.

TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
TÜV SÜD Group

Engineer:


Levi Guo
 Project Handler

Technical Report checked:


Lynn Zeng
 Designated Reviewer

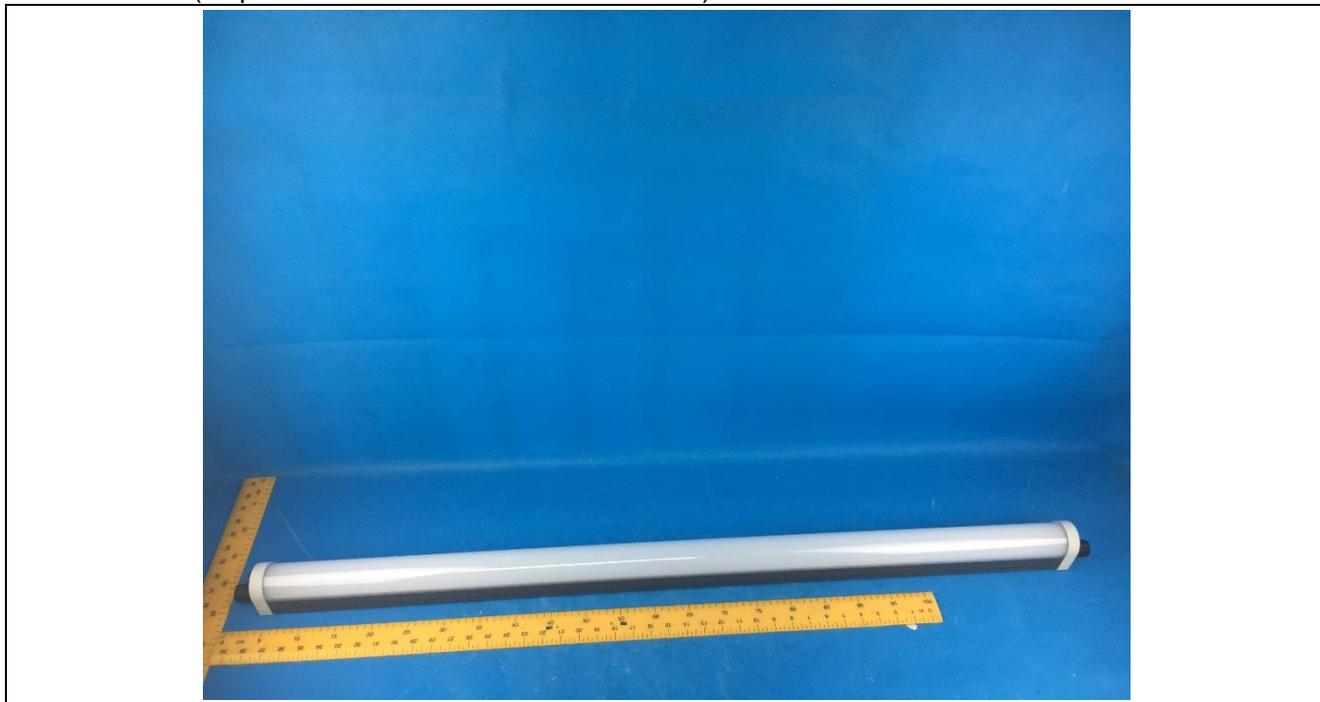


Annex 1: model list

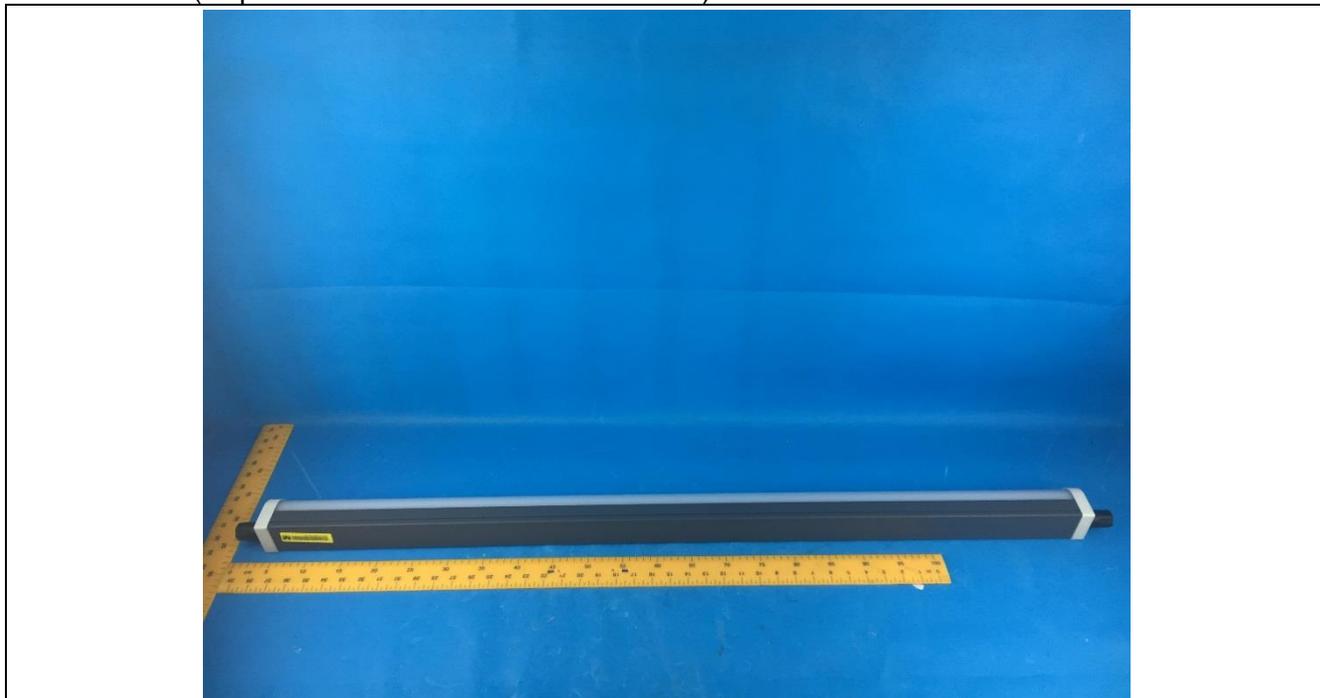
Model No.	Rated power (W)	Size (LxWxH)(mm)	Weigh(kg)
TPSL0621-WX	20	600x55x70	1.1
TPSL0621-WY	20	600x55x70	1.1
TPSL1241-WX	40	1200x55x70	1.95
TPSL1241-WY	40	1200x55x70	1.95
TPSL1551-WX	50	1500x55x70	2.4
TPSL1551-WY	50	1500x55x70	2.4
TPSL1261-WX	60	1200x55x70	2.15
TPSL1261-WY	60	1200x55x70	2.15
TPSL1581-WX	80	1500x55x70	2.66
TPSL1581-WY	80	1500x55x70	2.66
Remark: all model are the same except that rated power, size and weigh are different.			

Annex 2: Photo documentation

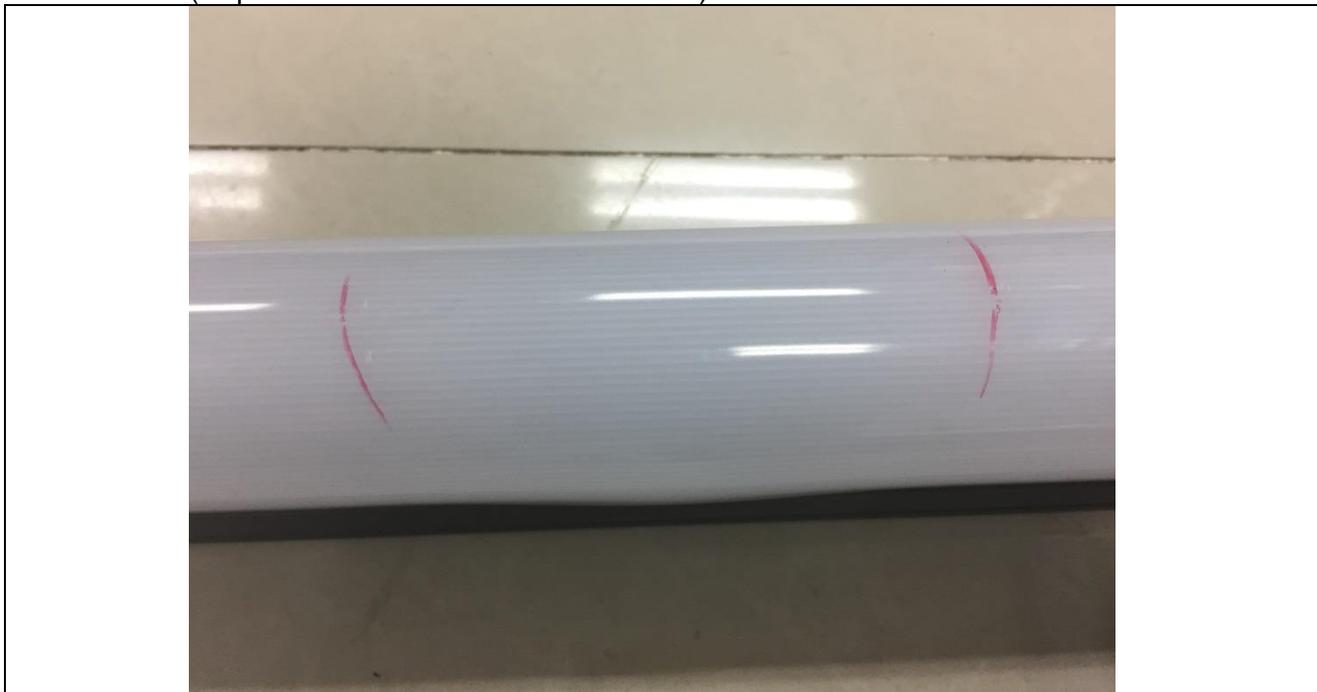
Details of: Over view
(Representative model: TPSL1581-WY)



Details of: Over view
(Representative model: TPSL1581-WY)



Details of: Plastic cover view after impacting test
(Representative model: TPSSL1581-WY)



Details of: Metal enclosure view after impacting test
(Representative model: TPSSL1581-WY)



Details of: Metal end cover enclosure view after impacting test
(Representative model: TPSL1581-WY)



*** END OF REPORT ***