



Technical Report No. 64.140.17.04772.01

Rev. 00

Dated 2017-09-14

Client: JRL INTERNATIONAL LIMITED
No.20 Jianlong street, Jianlong Village, Longgang District, Shenzhen, 518115, China

Manufacturing place: Manufacturer's name: Same as above
Address: Same as above
Factory's name: Same as above
Address: Same as above

Test subject: Product: LED strip
Type: COVEFLEX1200, LEDLINE FLEX MINI, LEDLINE FLEX

Test specification: EN 60598-1:2015 clause 9

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 product is in compliance with the specified requirements

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Description of the test subject

1.1 Function

- Manufacturer's specification for intended use:
LED strip
- Manufacturer's specification for predictive misuse:

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

Model	:	COVEFLEX1200, LEDLINE FLEX MINI, LEDLINE FLEX
Rated Voltage (V)	:	DC 24V
Protection Class	:	Class III
Rated wattage(W)	:	12W/meter for COVEFLEX1200, 10W/meter for LEDLINE FLEX MINI and LEDLINE FLEX
Protection Against Moisture	:	IP 68

2 Order

2.1 Date of Purchase Order, Customer's Reference

2017-08-22

2.2 Receipt of Test Sample, Location

2017-08-22, Guangzhou

2.3 Date of Testing

2017-08-22 to 2017-09-14

2.4 Location of Testing

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

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

None



3 Test Results

3.1 Positive Test Results

9	RESISTANCE TO DUST AND MOISTURE		
-	If IP > IP 20 the order of tests as specified in clause 1.12		
9.2	Tests for ingress of dust, solid objects and moisture:		
	- classification according to IP	IP68	—
	- mounting position during test.....	As normal use	—
	- fixing screws tightened; torque (Nm)		—
	- tests according to clauses	9.2.2, 9.2.9	P
	- electric strength test afterwards		P
	a) no deposit in dust-proof luminaire		N/A
	b) no talcum in dust-tight luminaire		P
	c) no trace of water on current-carrying parts or on insulation where it could become a hazard		P
	c.1) For luminaires without drain holes – no water entry		P
	c.2) For luminaires with drain holes – no hazardous water entry		N/A
	d) no water in watertight or pressure watertight luminaire		P
	e) no contact with live parts (IP 2X)		N/A
	e) no entry into enclosure (IP 3X and IP 4X)		N/A
	e) no contact with live parts through drain holes and ventilation slots (IP3X and IP4X)		N/A
	f) no trace of water on part of lamp requiring protection from splashing water		N/A
	g) no damage of protective shield or glass envelope		N/A
9.3	Humidity test 48 h		P

Note: IPX8 was tested in 2-meter depth of water.

4 Documentation


- Photo documentation



5 Summary

The test specifications are met.

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

Engineer: 
Ian Pan



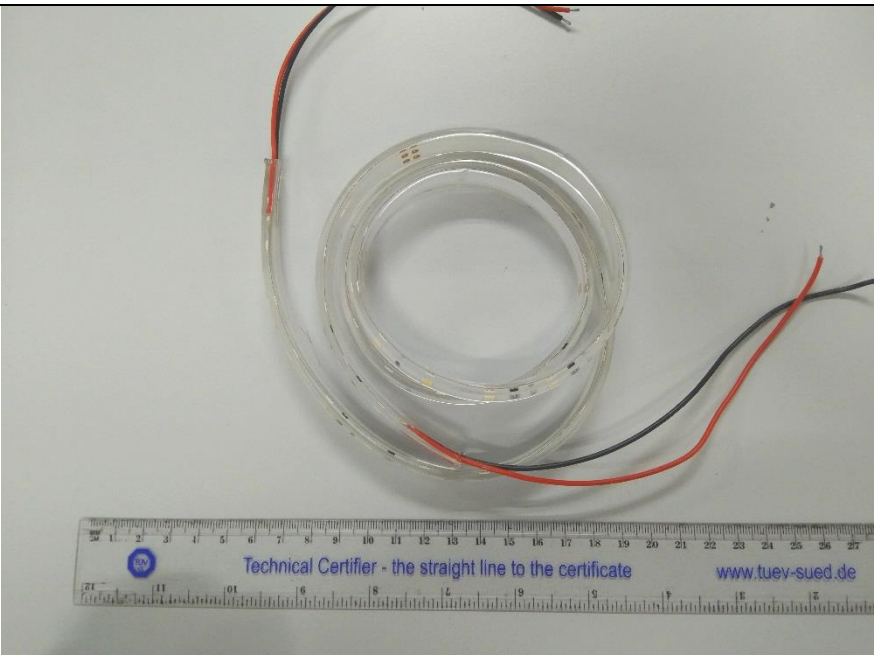
Technical Report checked:


Kenny Chen

Photo documents

Details of:

COVEFLEX1200 view

View:	
<input type="checkbox"/> general <input type="checkbox"/> front <input type="checkbox"/> rear <input type="checkbox"/> right <input type="checkbox"/> left <input type="checkbox"/> top <input type="checkbox"/> bottom	

Details of:

LED


View:	
<input type="checkbox"/> general <input type="checkbox"/> front <input type="checkbox"/> rear <input type="checkbox"/> right <input type="checkbox"/> left <input type="checkbox"/> top <input type="checkbox"/> bottom	

Photo documents

Details of:

Back

View:	
<input type="checkbox"/> general <input type="checkbox"/> front <input type="checkbox"/> rear <input type="checkbox"/> right <input type="checkbox"/> left <input type="checkbox"/> top <input type="checkbox"/> bottom	

Details of:

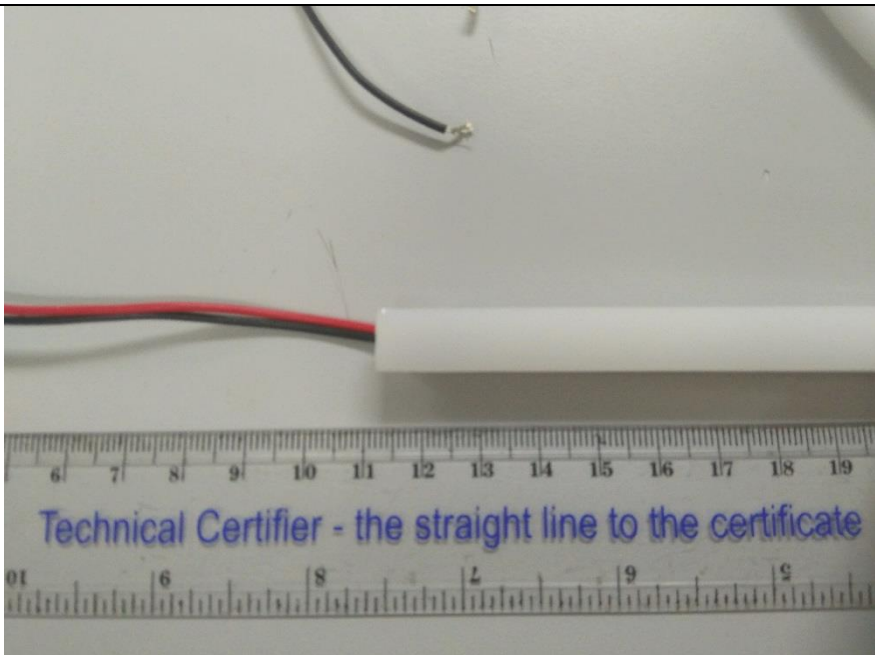
LEDLINE FLEX WHT MINI

View:	
<input type="checkbox"/> general <input type="checkbox"/> front <input type="checkbox"/> rear <input type="checkbox"/> right <input type="checkbox"/> left <input type="checkbox"/> top <input type="checkbox"/> bottom	

Photo documents

Details of:

LED

View:	
<input type="checkbox"/> general <input type="checkbox"/> front <input type="checkbox"/> rear <input type="checkbox"/> right <input type="checkbox"/> left <input type="checkbox"/> top <input type="checkbox"/> bottom	

Details of:

Wire inlet

View:	
<input type="checkbox"/> general <input type="checkbox"/> front <input type="checkbox"/> rear <input type="checkbox"/> right <input type="checkbox"/> left <input type="checkbox"/> top <input type="checkbox"/> bottom	

Photo documents

Details of:

LED view, for LEDLINE FLEX MINI and LEDLINE FLEX

View:	
<input type="checkbox"/> general <input type="checkbox"/> front <input type="checkbox"/> rear <input type="checkbox"/> right <input type="checkbox"/> left <input type="checkbox"/> top <input type="checkbox"/> bottom	

Details of:

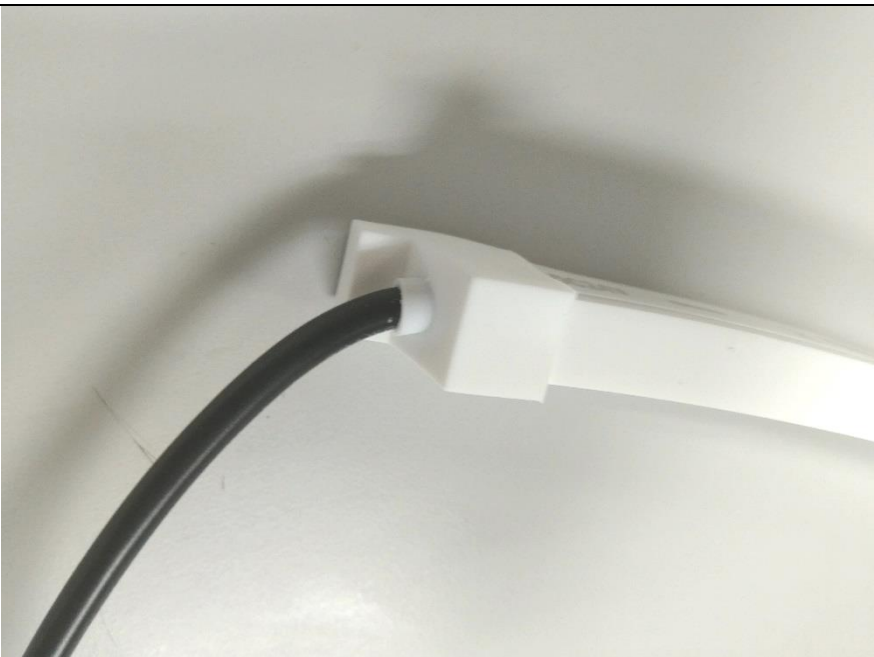
LEDLINE FLEX

View:	
<input type="checkbox"/> general <input type="checkbox"/> front <input type="checkbox"/> rear <input type="checkbox"/> right <input type="checkbox"/> left <input type="checkbox"/> top <input type="checkbox"/> bottom	

Photo documents

Details of:

Wire inlet

View:	
<input type="checkbox"/> general <input type="checkbox"/> front <input type="checkbox"/> rear <input type="checkbox"/> right <input type="checkbox"/> left <input type="checkbox"/> top <input type="checkbox"/> bottom	

Details of:

Side

View:	
<input type="checkbox"/> general <input type="checkbox"/> front <input type="checkbox"/> rear <input type="checkbox"/> right <input type="checkbox"/> left <input type="checkbox"/> top <input type="checkbox"/> bottom	

Photo documents

Details of:

Front

View:	
<input type="checkbox"/> general <input type="checkbox"/> front <input type="checkbox"/> rear <input type="checkbox"/> right <input type="checkbox"/> left <input type="checkbox"/> top <input type="checkbox"/> bottom	