



Shenzhen CTL Testing Technology Co., Ltd.  
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### TEST REPORT

Report Reference No. .... : CTL1702276401-IP

Tested by (name + signature)..... : Sam Hou

Supervised by (name + signature)... : Ximi Liang

Approved by (name + signature) ..... : Peter Hou



Date of issue .....

Testing Laboratory Name ..... : Shenzhen CTL Testing Technology Co., Ltd.

Address ..... : Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road,  
Nanshan District, Shenzhen, China 518055

Testing location..... : Same as above

Applicant's name ..... : Guangzhou Linong Lighting Technology Co.,Ltd.

Address ..... : Keying Road, Guangzhou Sci-Tech Park Industry Park, Taihe Town,  
Guangzhou City, Guangdong Province, China

**Test specification:**

Test specifications / Test standard : Verification test according to sub-clause 13.2 and 14.2.4 of  
IEC 60529:1989+A1:1999+ A2:2013

Test procedure..... : Test report

IP code ..... : IP44

Non-standard test method..... : N/A

Test item description..... : LED STRIP

Trade Mark..... : N/A

Manufacturer..... : Guangzhou Linong Lighting Technology Co.,Ltd.  
Keying Road, Guangzhou Sci-Tech Park Industry Park, Taihe  
Town, Guangzhou City, Guangdong Province, China

Model/Type reference..... : LNTS3XX120G0-C1/A1/M1-D12/24

Test result : Refer to the next pages.

**1. Function / Description :**

LED STRIP, external enclosure is plastic material.

**2. Summary of testing and conclusion :**

**Clause 13.2**

Object probe: rigid steed rod  $1.0^{+0.05}$  mm diameter with edges free from burrs.

Test force :  $1N \pm 10\%$

The object probe is pushed against any openings of the enclosure with the force

**Clause 14.2.4**

The oscillating tube has spray holes over the whole 180° of the semicircle.

The tube is caused to oscillate through an angle of almost 360°, 180° on either side of the vertical, the time for one complete oscillation ( $2 \times 360^\circ$ ) being about 12 s.

The number of open holes: 50

Total water flow : 3.5l/min

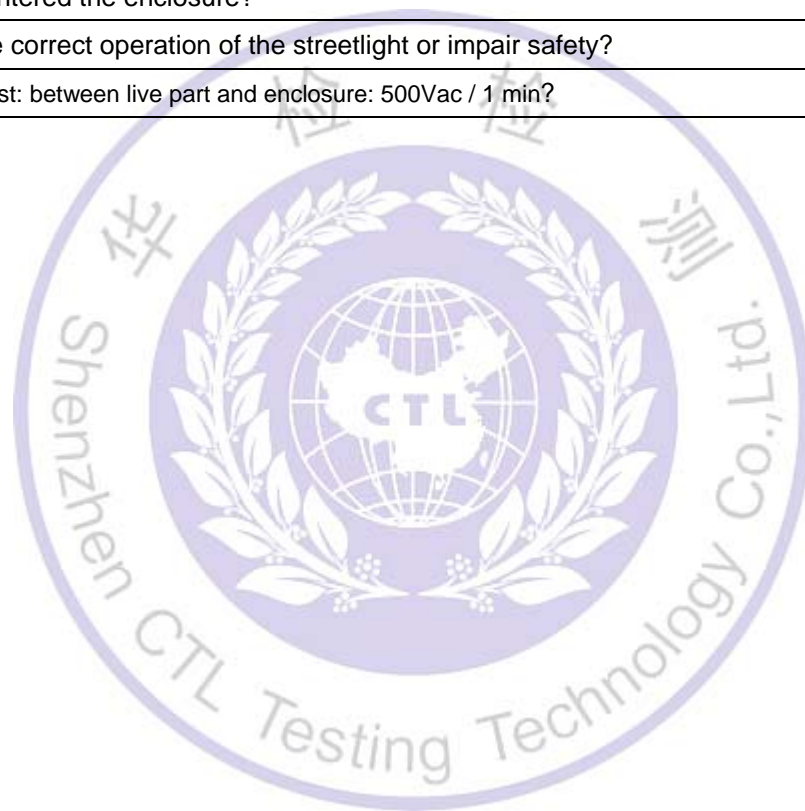
The duration of the test is 10 min;

Test was performed on March 14, 2017

3. Test Result:

| CLAUSE   | Verdict |
|--|---------|
| 13.2 Test for first characteristic numeral 4 (IP4X)  | Pass    |
| After Testing:   | --      |
| <ul style="list-style-type: none"> <li>Does the dust enter into the enclosure inside?</li> </ul> | Pass    |

| CLAUSE  | Verdict |
|---|---------|
| 14.2.4 Test for second characteristic numeral 4 (IPX4)  | Pass    |
| After Testing:  | --      |
| <ul style="list-style-type: none"> <li>Any water has entered the enclosure?</li> </ul>                                      | Pass    |
| <ul style="list-style-type: none"> <li>Interfere with the correct operation of the streetlight or impair safety?</li> </ul> | Pass    |
| <ul style="list-style-type: none"> <li>Electric strength test: between live part and enclosure: 500Vac / 1 min?</li> </ul>  | N/A     |



4. EUT Photo document

Photo 1 Overall view

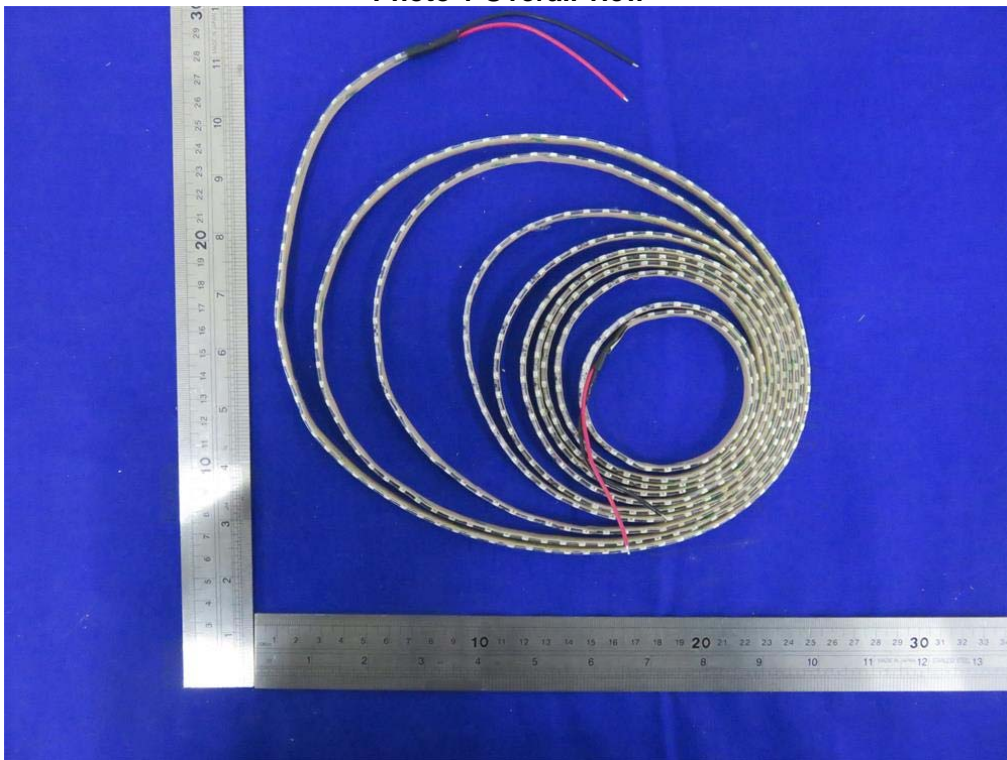


Photo 2 Overall view

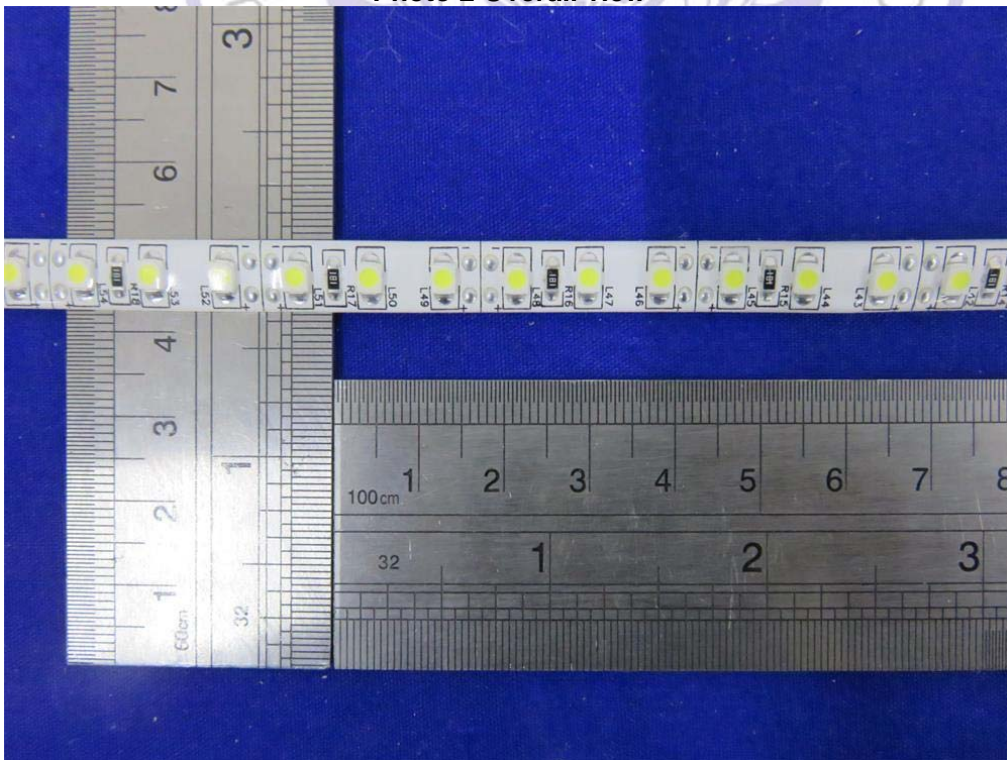


Photo 3 Overall view

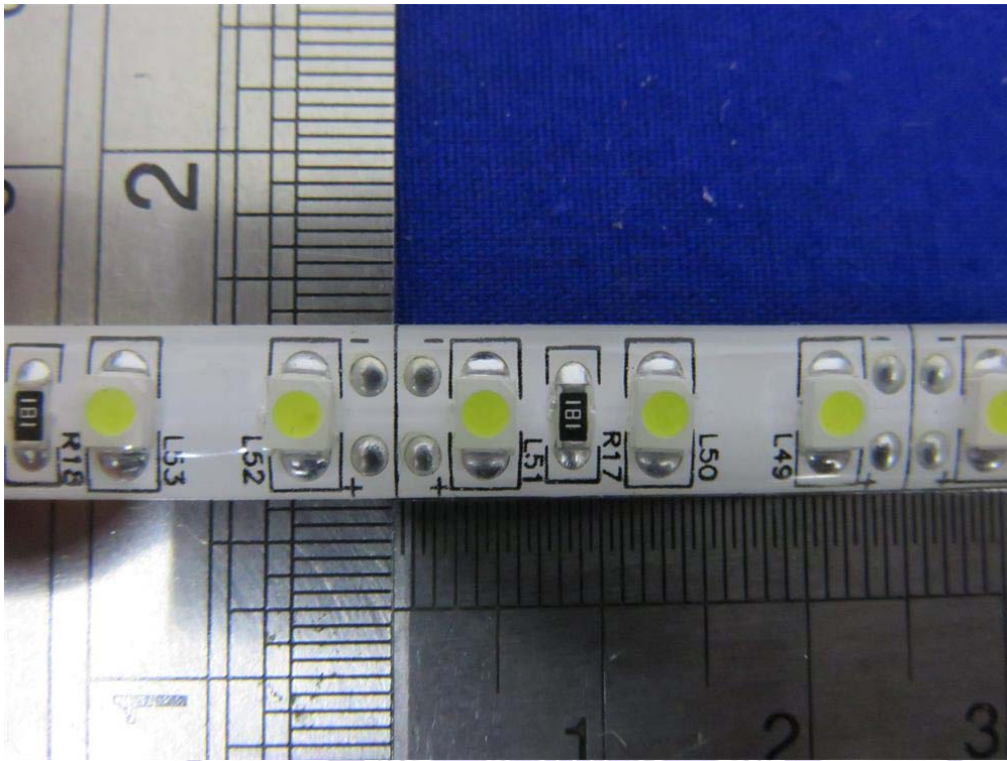


Photo 4 Overall view

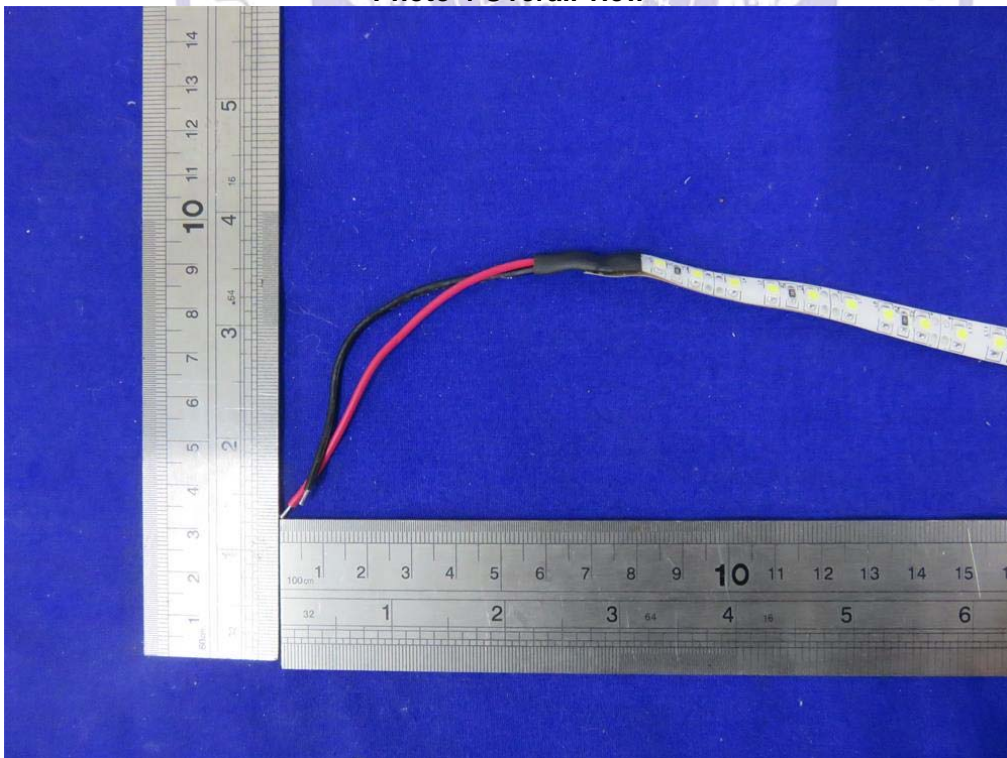


Photo 5 IP4X Testing view

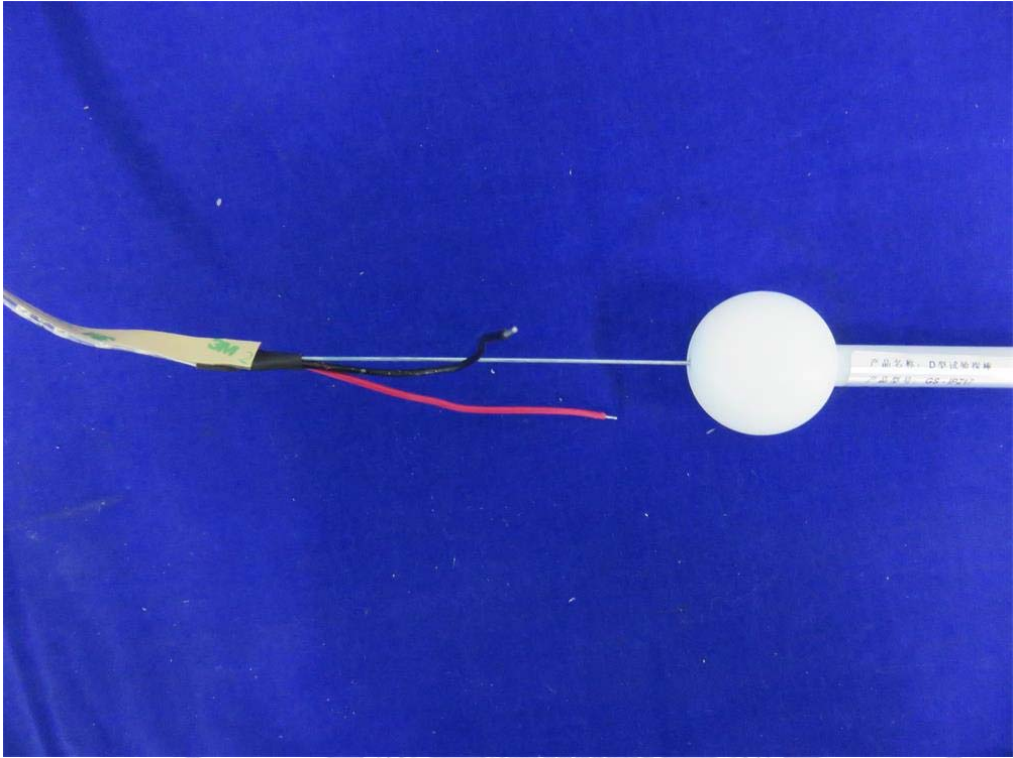


Photo 6 IPX4 Before testing view



Photo 7 IPX4 Testing view



Photo 8 IPX4 Testing view



Photo 9 After testing view



--- End of Report ---

