

**Technical Report No.: 64140260403601**

**Date: 2026-08-03**

Client: Name: Guangdong Yuchen Optoelectronic Technology Co. Ltd  
Address: Building 1, No.71, Taian Liyuan Rd, Zhangmutou Town  
523000 Dongguan City, Guangdong, People's Republic  
of China  
Contact person: Kevin  
Manufacturer: Name: Same as client  
Address: Same as client  
Contact person: Same as client  
Factory: Name: Same as client  
Address: Same as client  
Contact person: Same as client  
Test object: Product: LED PU Neon Stip Light  
Model: SF-\*XXYYYZ  
Trade mark: **EASTFINE**

Test specification: Neutral Salt Spray Test of Clause 5.2.2 & 10 of ISO 9227:2022

Purpose of examination: 

- As specified by client, to determine Neutral Salt Spray Test for the submitted sample.

Test result: This report is only for test result, see item 3 of this report for details.

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## 1. Description of the test object

### 1.1 Picture(s)

See Appendix 1

### 1.2 Function

Manufacturer's specification for intended use:

According to user manual

### 1.3 Consideration of the foreseeable use

- ☒ Not applicable
- ☐ Covered through the applied standard
- ☐ Covered by the following comment\*
- ☐ Covered by attached risk analysis

\*

### 1.4 Technical Data

Model list

| Model No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | LED Model | Colour | LEDs/M | Voltage (V) |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|--------|-------------|
| SF-*XXYYYZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | *         | XX     | YYY    | Z           |
| <p>Note:</p> <p>*= 2110, 2216, 2835, 3014, 3030, 3528, 3535, 5050, 5630, COB LED Model</p> <p>XX=TW, RG, RW, WR, RE, GR, BL, YE, UV, PI, OR, MC, 00-99 (TW means Double color, RG means RGB, RW means RGBW, WR means WRGBW, RE means Red, GR means Green, BL means Blue, YE means Yellow, UV means Purple, PI means Pink, OR means Orange, MC means Mixed color, other 00-99 means The white light color temperature 0-9900K, For example 20 means 2000K, 35 means 3500K and so on.)</p> <p>YYY=LED Quantity (For example 060 means 60 LEDs/m, 120 means 120 LEDs/m, and so on)</p> <p>Z=A, B, C, D or E ; (A means input voltage is 5VDC, B means input voltage is 12VDC, C means input voltage is 24VDC, D means input voltage is 36VDC, E means input voltage is 48VDC)</p> |           |        |        |             |

## 2. Order

### 2.1 Date of Purchase Order, Customer's Reference

2026-07-10

### 2.2 Test Sample(s)

- Reception date(s): 2026-07-13

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Rev.: 00  
Date: 2026-08-03

[www.tuvsud.com](http://www.tuvsud.com)



TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch  
5F&8F East, Communication Building, No.163 Pingyun Road, Huangpu  
Ave. West, Guangzhou, Guangdong 510656

Tel: +86 020 38320668

- Location(s) of reception: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch
- Condition of test sample(s): Complete

## 2.3 Testing

- Testing date(s): 2026-07-13 to 2026-08-03
- Location(s) of testing: TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch

## 2.4 Points of Non-Compliance or Exceptions of the Test Procedure

- None

## 3. Test Results

### 3.1 Positive Test Results

All the models used the same shell. Below tests were carried out on model SF-C30140C.

Test method: Clause 5.2.2 & 10 of ISO 9227:2022

Test Conditions:

Concentration of solution collected: (50±5) g/L NaCl  
 Chamber temperature: (35±2) °C  
 Volume of salt solution collected: (1.5±0.5) ml/(80cm<sup>2</sup>·h)  
 pH of collected solution at (25±2)°C: 6.5~7.2  
 Exposure period: 336h

Test result(s):

| Sample No.: | Protection class, R <sub>p</sub> /<br>Appearance rating, R <sub>A</sub> |
|-------------|-------------------------------------------------------------------------|
| SF-*XXYYYZ  | 9                                                                       |

Note: ISO 9227:2022 is a standard that stipulates test practices, appearance rating refers to EN ISO 10289:1999, as follows:

| Area of defects, A (%) | Protection class, R <sub>p</sub> /<br>Appearance rating, R <sub>A</sub> |
|------------------------|-------------------------------------------------------------------------|
| 0(No defects)          | 10                                                                      |

|                     |   |
|---------------------|---|
| $0 < A \leq 0.1$    | 9 |
| $0.1 < A \leq 0.25$ | 8 |
| $0.25 < A \leq 0.5$ | 7 |
| $0.5 < A \leq 1.0$  | 6 |
| $1.0 < A \leq 2.5$  | 5 |
| $2.5 < A \leq 5.0$  | 4 |
| $5.0 < A \leq 10$   | 3 |
| $10 < A \leq 25$    | 2 |
| $25 < A \leq 50$    | 1 |
| $50 < A$            | 0 |

## 4. Test History

None.

## 5. Remarks

None.

## 6. Documentation

| File                 | File name      | Date       |
|----------------------|----------------|------------|
| Photo documentation: | See Appendix 1 | 2026-08-03 |

## 7. Summary

*This report is only for test result, without verdict.*



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

Tested by: Elvis Xie, Project Handler

*printed name, function & signature*

Approved by: Kenny Chen, Designated Reviewer

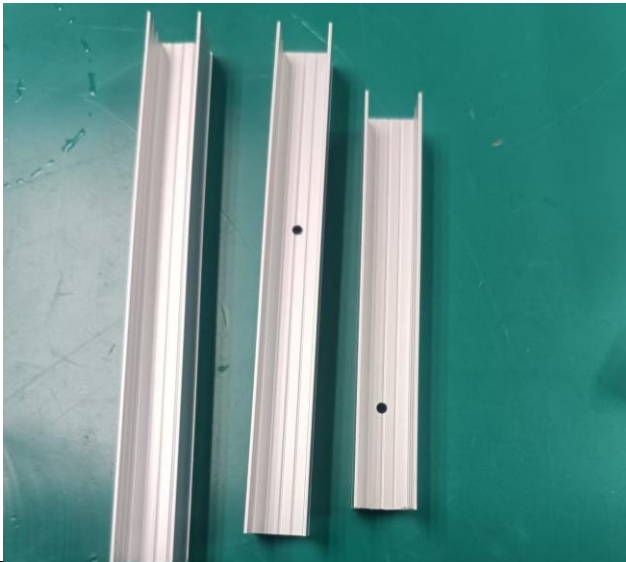
*printed name, function & signature*



## Appendix 1: Photos

|                                  |                                                                                    |  |
|----------------------------------|------------------------------------------------------------------------------------|--|
| Details of:                      | General view for model SF-C30140C before test                                      |  |
| 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:                      | General view for model SF-C30140C before test                                        |  |
| 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  |                                                                                      |  |

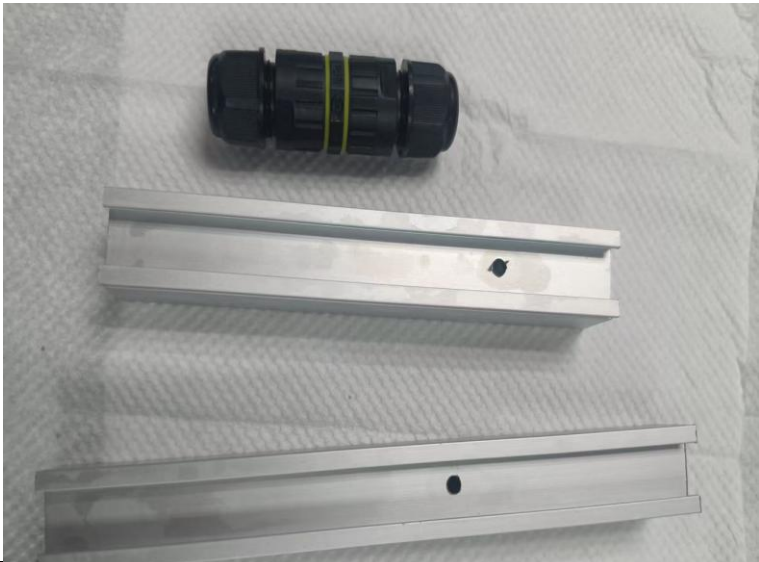
|                                                                                                                                                                                                                                                           |                                                                                    |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|
| Details of:                                                                                                                                                                                                                                               | General view for model SF-C30140C before test                                      |  |
|                                                                                                                                                                                                                                                           |                                                                                    |  |
| <b>View:</b><br><input type="checkbox"/> General<br><input type="checkbox"/> Front<br><input type="checkbox"/> Rear<br><input type="checkbox"/> Right<br><input type="checkbox"/> Left<br><input type="checkbox"/> Top<br><input type="checkbox"/> Bottom |  |  |

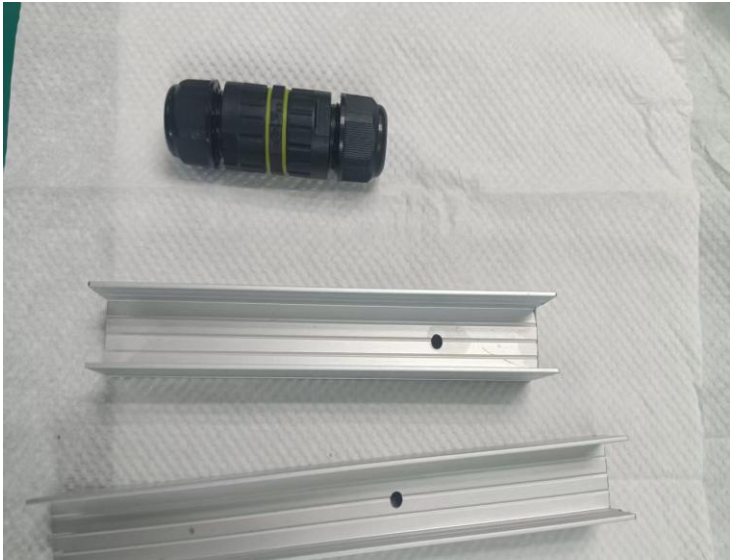
|                                                                                                                                                                                                                                                           |                                                                                     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
| Details of:                                                                                                                                                                                                                                               | Scratch view for model SF-C30140C before test                                       |  |
|                                                                                                                                                                                                                                                           |                                                                                     |  |
| <b>View:</b><br><input type="checkbox"/> General<br><input type="checkbox"/> Front<br><input type="checkbox"/> Rear<br><input type="checkbox"/> Right<br><input type="checkbox"/> Left<br><input type="checkbox"/> Top<br><input type="checkbox"/> Bottom |  |  |

|                                  |                                                                                    |  |
|----------------------------------|------------------------------------------------------------------------------------|--|
| Details of:                      | General view for model SF-C30140C after test                                       |  |
| 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:                      | General view for model SF-C30140C after test                                        |  |
| 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  |                                                                                     |  |

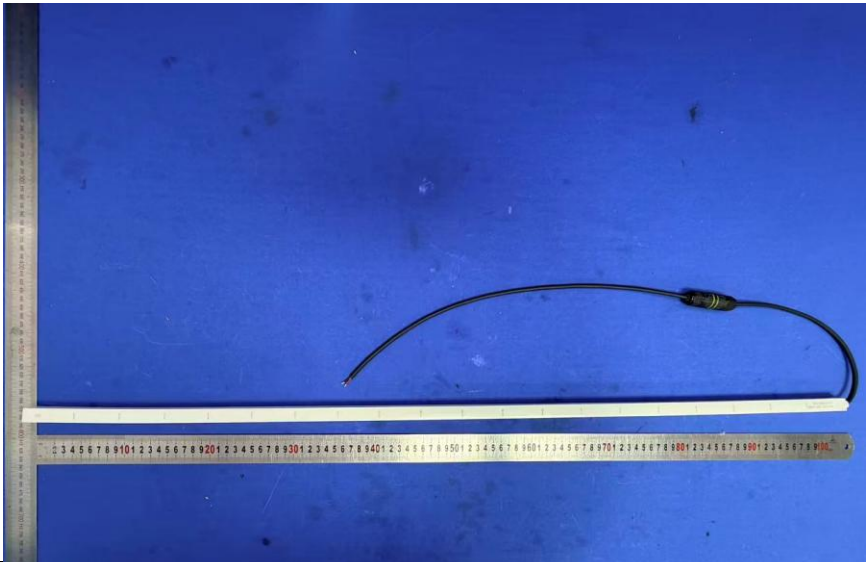


|                                                                                                                                                                                                                                                           |                                                                                    |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--|
| Details of:                                                                                                                                                                                                                                               | General view for model SF-C30140C after test                                       |  |
|                                                                                                                                                                                                                                                           |                                                                                    |  |
| <b>View:</b><br><input type="checkbox"/> General<br><input type="checkbox"/> Front<br><input type="checkbox"/> Rear<br><input type="checkbox"/> Right<br><input type="checkbox"/> Left<br><input type="checkbox"/> Top<br><input type="checkbox"/> Bottom |  |  |

|                                                                                                                                                                                                                                                           |                                                                                     |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--|
| Details of:                                                                                                                                                                                                                                               | General view for model SF-C30140C after test                                        |  |
|                                                                                                                                                                                                                                                           |                                                                                     |  |
| <b>View:</b><br><input type="checkbox"/> General<br><input type="checkbox"/> Front<br><input type="checkbox"/> Rear<br><input type="checkbox"/> Right<br><input type="checkbox"/> Left<br><input type="checkbox"/> Top<br><input type="checkbox"/> Bottom |  |  |

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|                                                                                                                                                                                                                                                           |                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Details of:                                                                                                                                                                                                                                               | General view for model SF-C30140C                                                  |
| <b>View:</b><br><input type="checkbox"/> General<br><input type="checkbox"/> Front<br><input type="checkbox"/> Rear<br><input type="checkbox"/> Right<br><input type="checkbox"/> Left<br><input type="checkbox"/> Top<br><input type="checkbox"/> Bottom |  |

|                                                                                                                                                                                                                                                           |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Details of:                                                                                                                                                                                                                                               | Detail view for model SF-C30140C                                                    |
| <b>View:</b><br><input type="checkbox"/> General<br><input type="checkbox"/> Front<br><input type="checkbox"/> Rear<br><input type="checkbox"/> Right<br><input type="checkbox"/> Left<br><input type="checkbox"/> Top<br><input type="checkbox"/> Bottom |  |



|                                                                                                                                                                                                                                                           |                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Details of:                                                                                                                                                                                                                                               | Testing environment                                                                |
| <b>View:</b><br><input type="checkbox"/> General<br><input type="checkbox"/> Front<br><input type="checkbox"/> Rear<br><input type="checkbox"/> Right<br><input type="checkbox"/> Left<br><input type="checkbox"/> Top<br><input type="checkbox"/> Bottom |  |

|                                                                                                                                                                                                                                                           |                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Details of:                                                                                                                                                                                                                                               | Testing environment                                                                 |
| <b>View:</b><br><input type="checkbox"/> General<br><input type="checkbox"/> Front<br><input type="checkbox"/> Rear<br><input type="checkbox"/> Right<br><input type="checkbox"/> Left<br><input type="checkbox"/> Top<br><input type="checkbox"/> Bottom |  |

--- End of Report ---