

Report No.	CKT180522-003-01R
Total Pages	8

TEST REPORT

Sample BoxLED Family - BL736, BL726, BL716

Type /

Client Beghelli Canada Inc.

Manufacturer Beghelli USA

 **CHINA KUN TESTING**

TRF No. **CKT0051**



Test Report

Client: Client: Beghelli Canada Inc.
Address: 3900 14th Avenue

Manufacturer: Beghelli USA

Date Submitted: 2018-05-22

Sample Name: #1

Sample Quantity: BoxLED Family - BL736, BL726, BL716

Test Item: Waterproof test Neutral salt spray test

Test periods: 2018-05-22~2018-07-26

Test Method: NEMA 250-2014 Enclosures for electrical equipment (1000 Volts Maximum. ASMT B117 Standard Practice for Operating Salt Spray (Fog) Apparatus & the client's requirements.

Test Ambient: Temperature 22~28°C, Humidity 45~70%RH, Air pressure:101kPa

Test Instruments: Salt Spray Test Chamber Model: F-130B S.N.: CKT0009
Rain Tester Model: AK-106 S.N.:CKT0146

Test Result: Refer to page 6-7.

Remark: /

 CHINA KUN TESTING



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DATE : 2018-07-26

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1 Sample Description

1pcs were submitted by the client for test. The sample description was shown in Table 1.

The representative appearance photo of the sample before test was shown in Fig.1.

Table 1 Sample Description

Sample Name	Quantity	Sample No.	Test Item	Photo
Box LED Family - BL736, BL726, BL716	1pcs	180522003R001	Waterproof test Neutral salt spray test	Fig.1

Sample Description: Model: BoxLED Family - BL736, BL726, BL716

The BoxLED family uses the same materials and construction design to produce all three models. As the worst case scenario, the largest housing BL736 is selected as a representative sample to undergo the complete NEMA4x certification test. Test results are shown to be satisfactory to provide an equivalent enclosure protection in the other family models.

(ADD the attached doc here)

HOUSING:

- Low copper die-cast marine grade aluminum with integrated heat sink
- RAL 7040 grey powder coat finish
- Stainless steel hooks and housing latches
- Durable silicone perimeter gasket

REFLECTOR:

Parabolic specular polished aluminum reflector

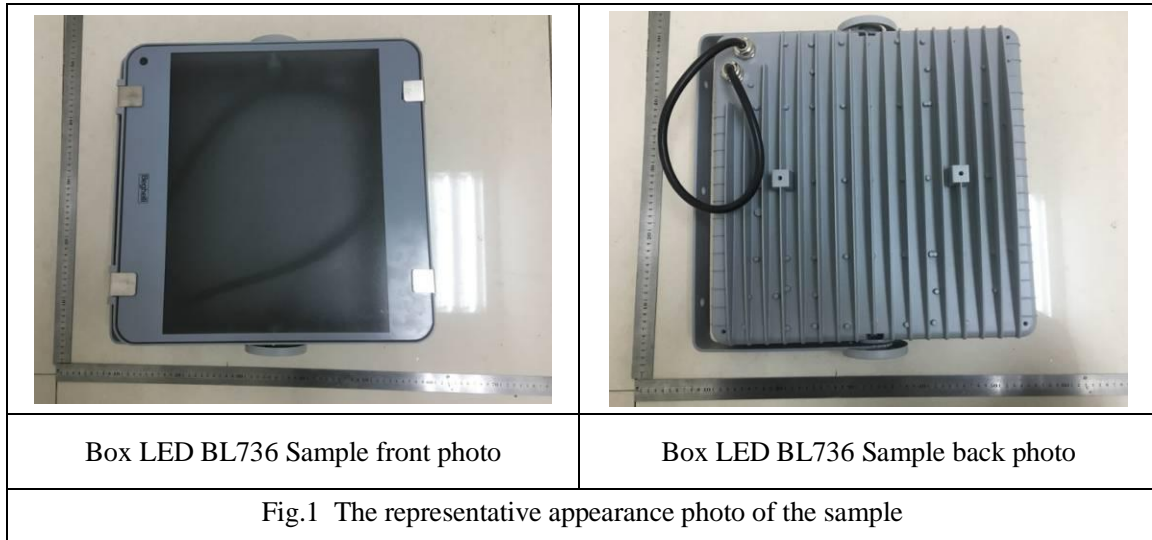
DIFFUSER:

4mm tempered glass diffuser with microprismatic external surface to reduce glare

<p>BoxLED BL736</p>	<p>BoxLED BL726</p>
	<p>/</p>
<p>BoxLED BL716</p>	<p>/</p>

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2 Testing Process







According with< NEMA 250-2014 Enclosures for electrical equipment (1000 Volts Maximum.>,< ASMT B117-16 Standard Practice for Operating Salt Spray (Fog) Apparatus> & the client’s requirements, Waterproof test and Neutral salt spray test were performed. Test conditions were shown in Table 2. The testing process photos were shown in Fig.2.

Table 2 Test conditions

Test Item	Test conditions
Waterproof test Clause 5.7.1	Hose diameter : 25 mm(1 in) Water spray: 240L/min Distance: 3.0 to 3.5 m(10 to 12 feet)
Neutral salt spray test Clause 5.9.1	Salt solution concentration: 50g/L±5g/L Temperature: 35 ±2°C PH: 6.5~7.2 Mist volume: 1.5±0.5mL/h *80cm ² Duration: 600h

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<p>Waterproof test process photos</p>	<p>Waterproof test process photos</p>
	
<p>Water flow and pressure photo</p>	<p>Water pressure photo</p>
	
<p>Neutral salt spray test process photo</p>	<p>Neutral salt spray test process photo</p>
<p>Fig.2 The testing process photo</p>	

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3 Test Result

3.1 Waterproof test

Test result was shown in table 3. The photos after tested were shown in Fig.3.

Table3. Test result

Sample Name	Test item	Sample No.	Test results
BoxLED Family - BL736, BL726, BL716	Waterproof test	180522003R001	No water vapor enters the sample after the test

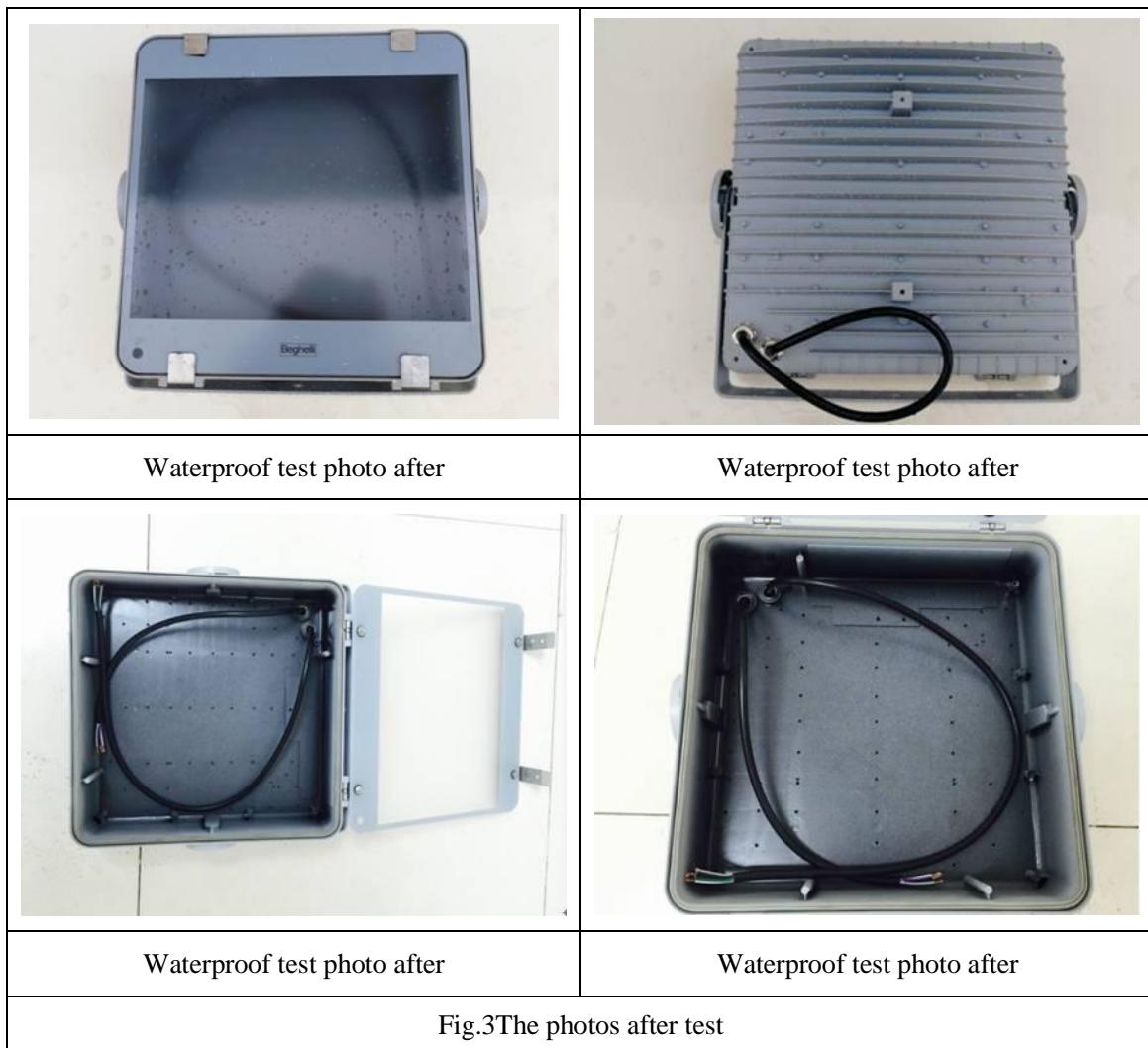


Fig.3The photos after test

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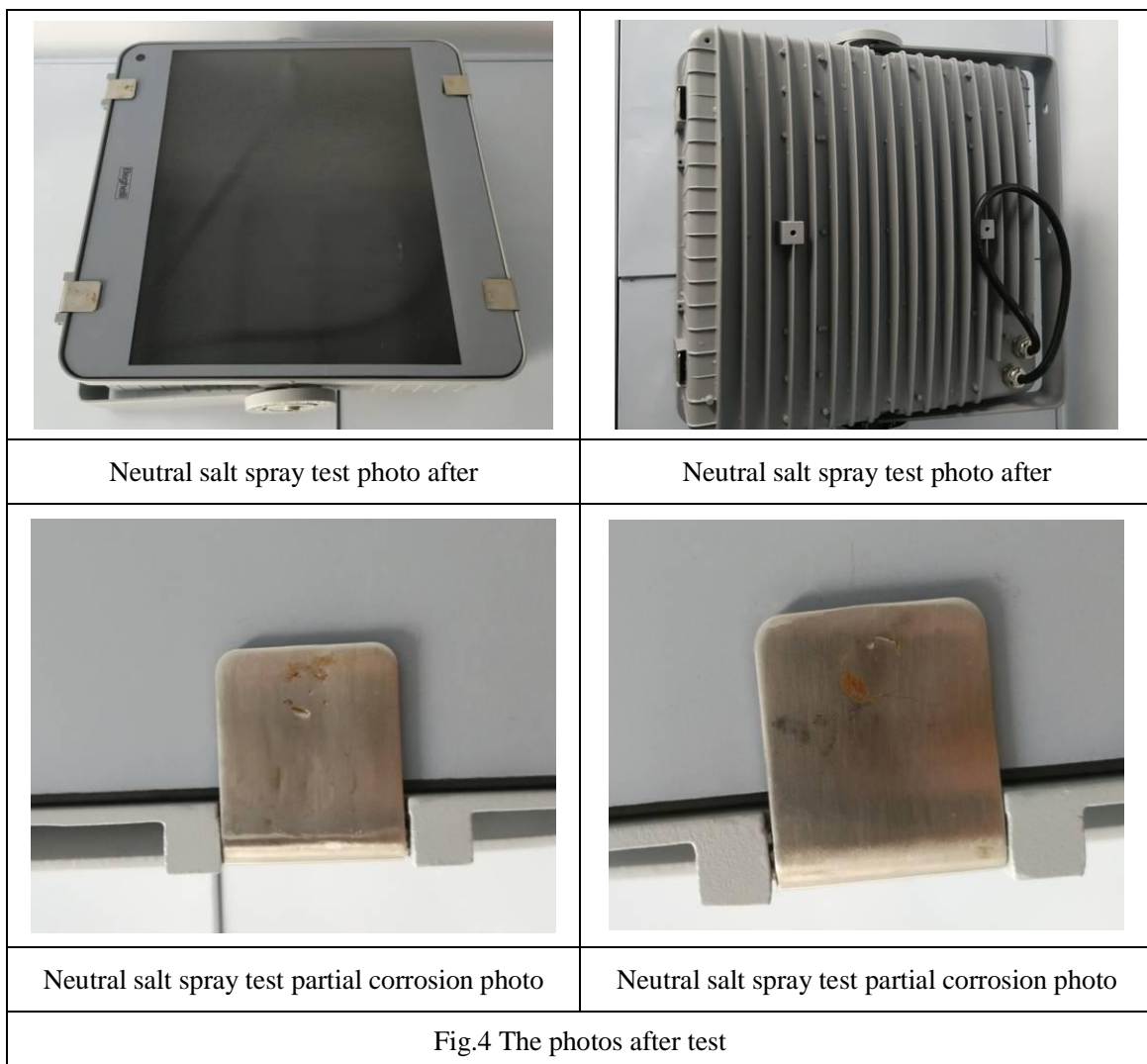


3.2 Neutral salt spray test

Test results was shown in table 4. The photos after tested were shown in Fig.4.

Table4. Test result

Sample Name	Test item	Sample No.	Test results
BoxLED Family - BL736, BL726, BL716	Neutral salt spray test	180522003R001	After 600H salt spray test sample, The sample metal clasp is slightly corroded and has red rust. No corrosion of the coating portion of the sample



---The End---

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