Our Ref. 6053022-06.50QS
Tel. +86 21 6056 7666
Fax. +86 21 6056 7555
E-mail info@dekra.com.cn

Test Report

Subject:	**Corrosion test for LED Street light**
Product:	**LED Street light**
Applicant:	**EVERLITE LED LIGHTING CO., LIMITED**
Applicant address:	**Room 2015, Trend Centre, 29-31, Cheung Lee Street Chaiwan, HONG KONG**
Supplier name:	**NINGBO SKYZON ENERGY CO., LTD.**
Supplier address:	**NO. 19 KESAN ROAD, NINGHAI, 315600, NINGBO, PEOPLE'S REPUBLIC OF CHINA**
Model Number:	**EL-SL68(L)-200W; EL-SL18MA-20W;EL-SL18MA-30W;EL-SL18MA-40W, EL-SL18MA-50W;EL-SL18MA-60W, EL-SL18MA-70W; EL-SL18MA-80W, EL-SL18MA-90W;EL-SL18LA-90W, EL-SL18LA-100W;EL-SL18LA-120W, EL-SL18LA-150W;EL-SL18LA-160W**
Requirement:	**Test according to the following standard: ASTM D3359-17 Standard Test Methods for Rating Adhesion by Tape Test(Only test for Model EL-SL68(L)-200W)**
Sample Receiving Date:	**Jan 16,2019**
Testing Period:	**Jan 16,2019 to Apr 01,2019**
Conclusion:	**Pass**

Signed for and on behalf of
DEKRA Testing and Certification (Shanghai) LTD.

Project Engineer: Roman
Date: **Apr.28th2019**

Approver: Oak Yang
Date: **Apr.28th2019**

Attention: Please note that every statement made in this report is only valid for the samples tested and reported herein. This report shall not be reproduced except in full, without the written approval of the testing laboratory. If you have any comment on the test results, please contact us in writing in 15 days after the issuing of report.

Test Results

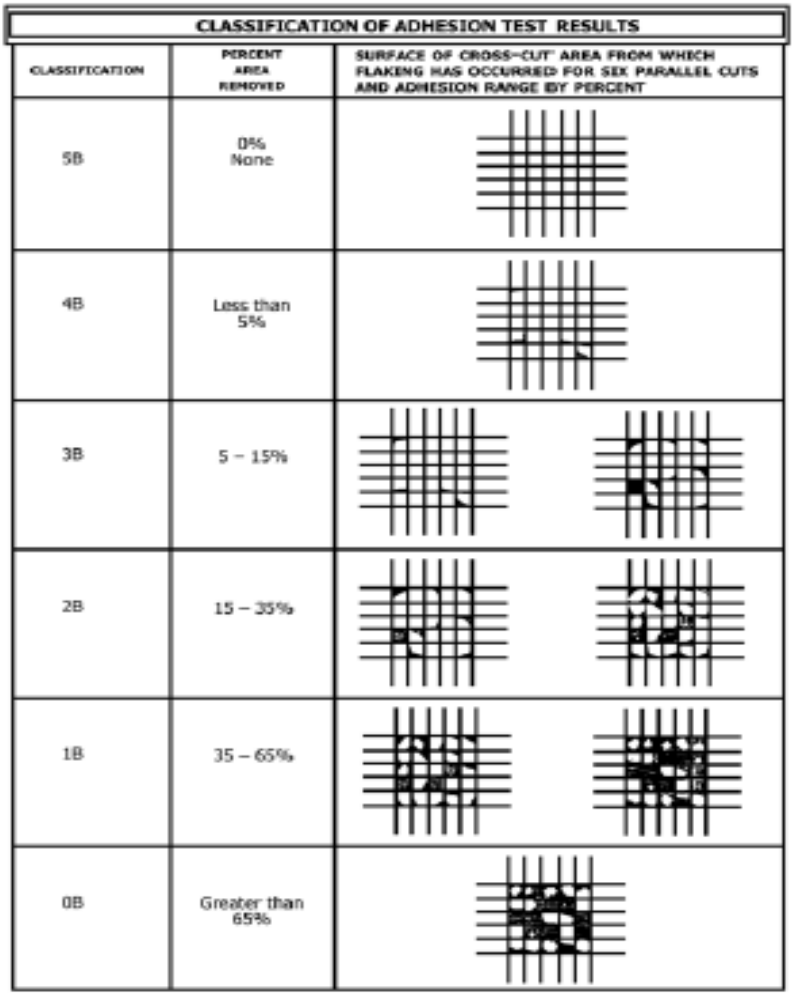
1. With reference to ASTM D3359-09 Standard Test Methods for Measuring Adhesion by Tape Test, the submitted samples were subjected to the following test

Number of sample tested: One piece
Initial inspection: No any damage was found
Client's requirement: Classification: 5B

Clause	Requirements / Testing Process	Result
1	**Test method b—cross-cut tape test** **Test Procedure:** 1. Where required or when agreed upon, subject the specimens to a preliminary test before conducting the tape test. After drying or testing the coating, conduct the tape test at room temperature as defined in Specification D3924, unless D3924 standard temperature is required or agreed. 1.1 For specimens which have been immersed: After immersion, clean and wipe the surface with an appropriate solvent which will not harm the integrity of the coating. Then dry or prepare the surface, or both, as agreed upon between the purchaser and the seller. 2. Select an area free of blemishes and minor surface imperfections, place on a firm base, and under the illuminated magnifier, make parallel cuts as follows: 2.1 For coatings having a dry film thickness up to and including 50 µm (2 mils) space the cuts 1 mm apart and make eleven cuts unless otherwise agreed upon. 2.2 For coatings having a dry film thickness between 50 µm (2 mils) and 125 µm (5 mils), space the cuts 2 mm apart and make six cuts. For films thicker than 125 µm (5 mils), it is generally recommended to use Test Method A. Subject to agreement between the purchaser and the seller, Test Method B can be used for films thicker than 125 µm (5 mils) if wider spaced cuts are employed 2.3 Make all cuts about 20 mm (3⁄4 in.) long. Cut through the film to the substrate in one steady motion using just sufficient pressure on the cutting tool to have the cutting edge reach the substrate. When making successive single cuts with the aid of a guide, place the guide on the uncut area. 3. After making the required cuts brush the film lightly with a soft brush or tissue to remove any detached flakes or ribbons of coatings. 4. Examine the cutting edge and, if necessary, remove any flat spots or wire-edge by abrading lightly on a fine oil stone. Make the additional number of cuts at 90° to and centered on the original cuts 5. Brush the area as before and inspect the incisions for reflection of light from the substrate. If the metal has not been reached make another grid in a different location. 6. At each day of testing, before initiation of testing, remove two complete laps of tape from the roll and discard. Remove an additional length at a steady (that is, not jerked) rate and cut a piece about 75 mm (3 in.) long. 7. Place the center of the tape over the grid and in the area of the grid. Smooth the tape into place by finger in the area of the incisions taking care not to entrap air under the tape. Rub firmly over the surface of the tape with the pressure application device until the color is uniform in appearance. This indicates good, uniform contact between the tape's adhesive and the coating surface. 8. Within 90 ± 30 s of application, remove the tape by seizing the free end	Thickness range of coating: >125µm Cutting edges spaced: 2mm Percent area removed: 0% None Classification: 5B

03F#250 Jiangchangsan Road Building 16 Headquarter Economy Park Shibei Hi-Tech Park, Zhabei District Shanghai 200436 CHINA
Tel: +86 21 6056 7666, Fax:+86 21 6056 7555, info@dekra.com.cn www.dekra-certification.com

Clause	Requirements / Testing Process	Result
	and rapidly (not jerked) back upon itself at as close to an angle of 180° as possible. 9. Inspect the grid area for removal of coating from the substrate or from a previous coating using the illuminated magnifier. Rate the adhesion in accordance with the following scale illustrated in Fig. 1:	



CLASSIFICATION OF ADHESION TEST RESULTS

CLASSIFICATION	PERCENT AREA REMOVED	SURFACE OF CROSS-CUT AREA FROM WHICH FLAKING HAS OCCURRED FOR SIX PARALLEL CUTS AND ADHESION RANGE BY PERCENT
5B	0% None	
4B	Less than 5%	
3B	5 – 15%	
2B	15 – 35%	
1B	35 – 65%	
0B	Greater than 65%	

FIG. 1 Classification of Adhesion Test Results for Test Method B

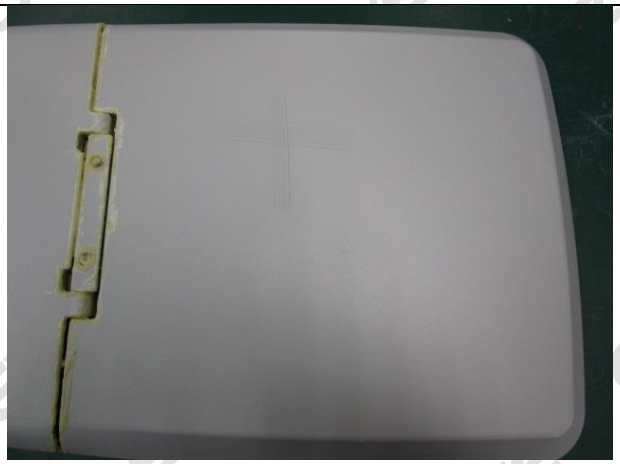
Remark:

Test Model EL-SL68 (L)-200W and other models are the same surface coating from customer's declaration.

******* To be continue *******

03F#250 Jiangchangsan Road Building 16 Headquarter Economy Park Shibei Hi-Tech Park, Zhabei District Shanghai 200436 CHINA
Tel: +86 21 6056 7666, Fax:+86 21 6056 7555, info@dekra.com.cn www.dekra-certification.com

Sample Photos

	
Photo No.1： Sample as received & Test sample (EL-SL68(L)-200W)	Photo No.2： Sample as received & Test sample (EL-SL68(L)-200W)
	
Photo No.3：After test	Photo No.4：After test
	
Photo No.5：After test	Photo No.6: Display photo(EL-SL18LA-160W)

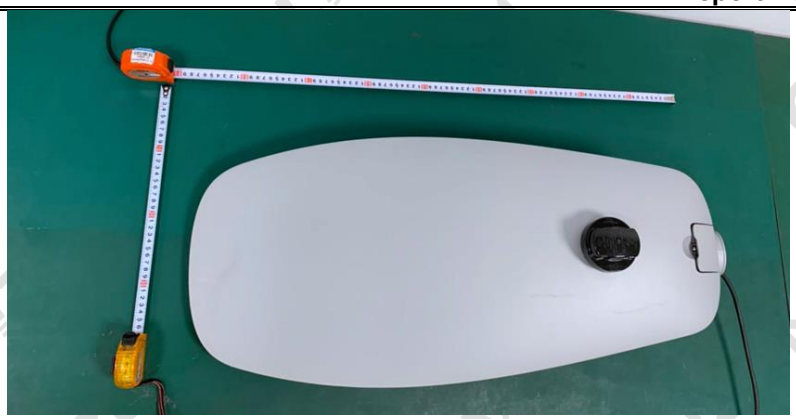


Photo No.7: Display photo(EL-SL18LA-160W)

Photo No.8: Display photo (EL-SL18MA-90W)

Photo No.9: Display photo (EL-SL18MA-90W)

********End of Report********

03F#250 Jiangchangsan Road Building 16 Headquarter Economy Park Shibei Hi-Tech Park, Zhabei District Shanghai 200436 CHINA
Tel: +86 21 6056 7666, Fax:+86 21 6056 7555, info@dekra.com.cn www.dekra-certification.com