

TEST REPORT

Product Name: Fixed LED (spot light)

Product Model: SP-F310-40P-RDM

Test Category: Coating hundred-cell test

Customer: TPK OPTOELECTRONIC TECH CO., LTD

Tested by: Huang Wenliang

Checked by: Chen Hairui

report time: NOV 8, 2024

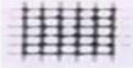
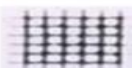
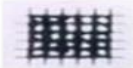
广东泰然实业有限公司
TPK OPTOELECTRONIC TECH CO., LTD

Test report

Test items	Coating hundred-cell test
Test object	SP-F310A-40P-RDM
Purpose of detection	Verify the paint level of SP-F310A-40P-RDM lamps
Test time	2024.11.8
Testing equipment	Tape, utility knife, soft-bristled brush, magnifying glass

Test final conclusion: SP-F310A-40P-RDM sample lamps can pass the 5B grade coating 100-cell test requirements; The results of this experiment are only responsible for the sample results.

Test standard: international standard

Lv.	Status Description	Appearance	等级	状态描述	外观
5B	The edge of the line is smooth, and no paint is chipped on the edge of the line and at the crossing point.	-----	5B	划线边缘光滑，在划线的边缘及交叉点处均无油漆脱落。	-----
4B	There are small pieces of paint falling off at the crossing points of the lines, and the total area falling off is less than 5%.		4B	在划线的交叉点处有小片的油漆脱落，且脱落总面积小于 5%。	
3B	There are small pieces of paint falling off at the edges and intersections of the lines, and the total area falling off is between 5% and 15%.		3B	在划线的边缘及交叉点处有小片的油漆脱落，且脱落总面积在 5% - 15% 之间。	
2B	There are sheets of paint falling off at the edges and intersections of the lines, and the total area falling off is between 15% and 35%.		2B	在划线的边缘及交叉点处有成片的油漆脱落，且脱落总面积在 15% - 35% 之间。	
1B	There are sheets of paint falling off at the edges and intersections of the lines, and the total area falling off is between 35% and 65%.		1B	在划线的边缘及交叉点处有成片的油漆脱落，且脱落总面积在 35% - 65% 之间。	
OB	The shedding area exceeded the 1B standard	-----	OB	脱落区域超过了 1B 标准	-----

Test data:

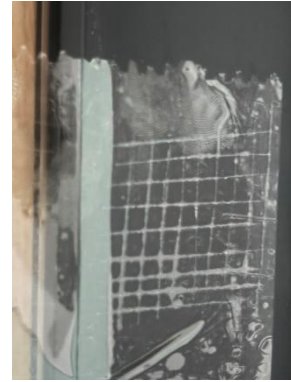
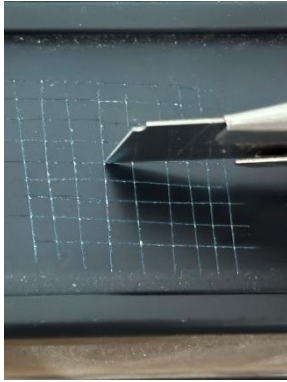
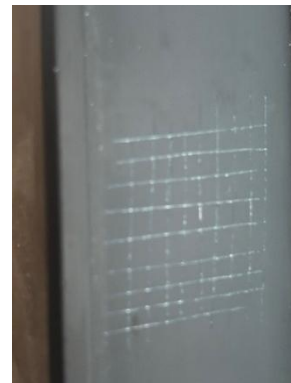
1. Record the state of the sample before the test.



The product has a smooth and traceless surface

Test method:

2. Draw a line with a utility knife every 1mm interval in the area of 100mm² (the depth needs to see the substrate), cross mark 100 squares, use a brush to clean the paint surface of the square, paste it with tape or its compatible adhesive tape on the test area of the square, and then use the tape to tear away immediately and quickly in the vertical direction, the paint on the test surface shall not fall off more than 5%. After the test, use a magnifying glass to observe the paint of the lamp body and the surface of the tape

Test process:**Test results****Test results:**

Through the appeal test data, it was proved that SP-F310A-40P-RDM did not fall off the paint surface of the lamp body after the coating 100 grid test.