

TEST REPORT

Product Name: Fixed LED lighting fixtures (linear lights)

Product Model: LLS-OP-W30A

Test Category: Drop test

Customer: TPK OPTOELECTRONIC TECH CO., LTD

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TPK OPTOELECTRONIC TECH CO., LTD

Test report

Test items	Drop test
Test Object	LLS-OP-W30A-L6-DMX product packaging carton
Test purpose	To verify whether the packaging of LLS-OP-W30A-L6-DMX shows any abnormalities such as damage after being dropped; Check for damage to the glass surface and joints of the lamp
Test time	2025-5-28
Testing instruments: stand scale, tape measure	
Test methods and procedures: 1. Confirm the material of the product packaging: 660*320*225mm, 150g of double-resistant reinforced hard paper, natural color 2. Pack the lamp according to the current packaging method and weigh it, record the weight (14.93KG) data, and confirm the standard for the test 3. The package of the entire product was subjected to a six-sided, Mitsubishi, two-corner free drop test at a height of 76.2.cm above the ground according to the standard 4. Observe the test results (confirm the packaging and sample conditions after the test) 5. Light up to test if the product functions properly (R-G-B-W- fully lit)	
Test results: After the drop test, there were no wrinkles or damages on the outer packaging of the product, the glass of the product was intact, the internal wires did not fall off, and the lamp was lit up normally	
Final test conclusion: The LLS-OP-W30A-L6-DMX package drop test passed. The conclusion of this test is only responsible for the sample.	

Test data:

2. After packaging the lamp and weighing it, the total weight of the lamp plus packaging was 14.93KG



3. Conduct a free drop test on the carton with 6 sides, 3 rashes, 2 corners, and a height of 76.2cm according to the standard

跌落次数 11 次；跌落部位：二角, 三楞, 六面；

单件产品重量 (l b s)	跌落高度 (I N)
W < 2 0 =9.072kgs	3 0 =76.2cm
2 0 < W < 4 0 = 18.144kgs	2 4 =60.96cm
4 0 < W < 6 0 =27.216kgs	1 8 =45.72cm
6 0 < W < 1 0 0 =45.36kgs	1 2 =30.48cm
1 0 0 < W	1 2

The number of drops was 11 times. Drop area: two corners, three corners, six sides:

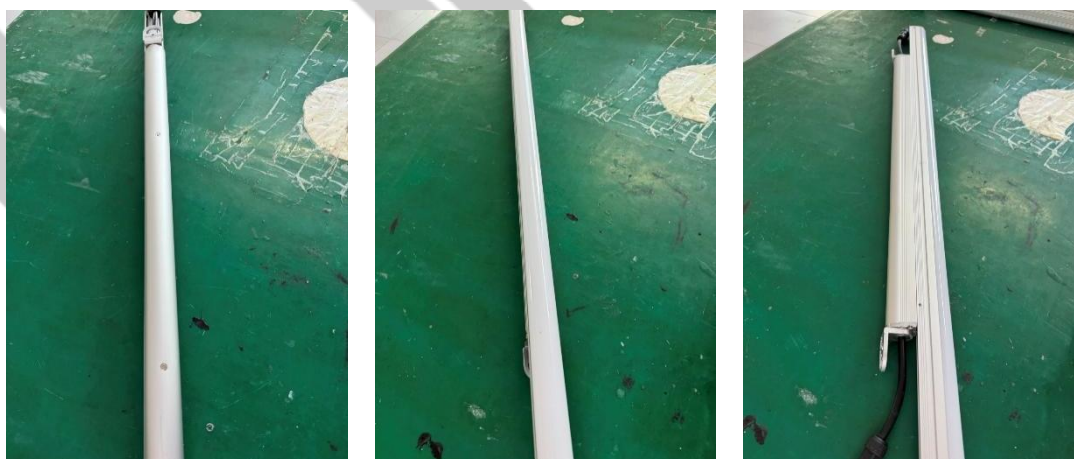
Product weight per piece (lbs)	Drop height (IN)
W<20=9.072kgs	30=76.2cm
20<W<40= 18.144kgs 40<W<60 =27.216kgs	24=60.96cm
60<W<100=45.36kgs	18 = 45.72 cm
100<W	12=30.48cm
	twelve

4 Observe the outer packaging of the product after the drop



After the drop, there is no damage to the carton

5 Open the outer package and check if there is any damage to the appearance of the product





After the drop test, there was no damage to the glass on the surface of the lamp and no deformation or detachment of the joints.

6. Light up to test if the product functions properly (R-G-B-W- all lit)

