

Product Test Report

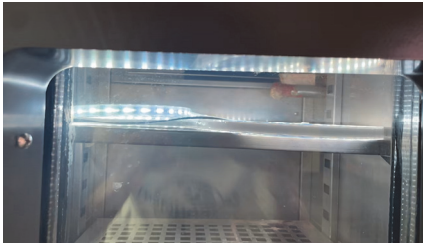
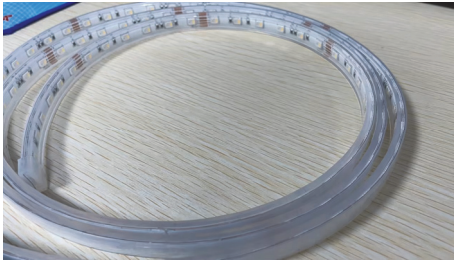
Product name:	Sauna light strip RGBW	Testers:	Niu Heng	Test date:	Start: 2022.04.20 End: 2022.04.27
Test items:	High temperature and high humidity test	Type of test:	Reliability test	Sample Size:	2M

1. Test equipment: ZH-TH-80D programmable constant temperature and humidity test chamber

2. Test condition: the instrument is programmed to set the temperature at 85 °C and humidity at 85% .Cycle Testing 168 hours。

3. Test requirements: light strip natural spread open into the equipment lighting test

4. Test record:

Before testing	Test parameter setting
	
Testing	Test complete
	

5. Test results: there were no defects before and after the test:

Subjects	Experimental projects	P(W)	Φ(lm)	Light Efficiency (LM/W)	x	y	Tc(K)	Ra	Light Flux loss %
Parameter record	Before testing	2.433	78.34	32.19	0.6959	0.3038	1001	24.6	
		2.52	239.9	95.2	0.1713	0.7424	7717	0	
		2.414	50.75	21.02	0.1321	0.0655	100000	0.8	
		2.469	215.4	87.24	0.3846	0.3783	3899	85.2	
		9.801	580	59.18	0.2879	0.3034	8635	66.8	
	After 168 hours	4.821	156.9	32.55	0.6955	0.3042	1001	24.5	100.28%
		4.968	478.4	96.31	0.1709	0.7434	7719	0	99.42%
		4.778	99.92	20.91	0.1318	0.0652	100000	0.6	96.89%
		4.896	429.3	87.69	0.3874	0.383	3863	84.6	99.30%
		19.17	1142	59.55	0.2886	0.3064	8479	67.8	96.90%

6. Conclusion: After 168 hours of high temperature and humidity testing, the light strip showed no electrical defects, with a luminous flux decay of less than 3%. The high temperature and humidity test was passed.