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Product Test Report

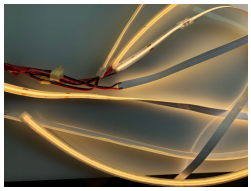
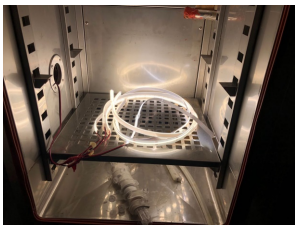
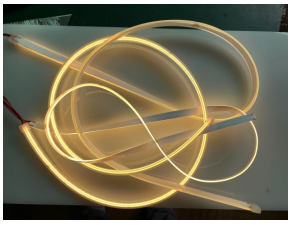
P/N	COB led strip light	Testers	Fang Guo Li	Testing time	2020/1/10-2020/1/17
Test items	High-low temperature test	Test type	Reliability test	Number of samples	3

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

2、Test conditions: Put waterproof COB light strip (Glue Dropped type、Glue injected type、Silicon extrusion type)in the machine for 4 hours low temperature -40℃ , 4 hours high temperature 60℃, humidity 80%; 8 hours cycle, and the cycle test is more than 168 hours.

3、Test requirements: Put into the machine to light up the test

4、Test rocord:

Lights up before the test	Test parameter setting diagram
	
Testing	Lights up after the 168hour test
	

5、Test result: After COB passed 168H, no quality appears during the test

6、Data comparison before and after the test:

Specification	Test items	Color(K)	CRI	Electricity(A)	Power (W)	Lumen(lm)	Light Efficiency(lm/W)	X	y
480leds 10mm-24V-15W Glue Droped	Before test	3216	90.5	0.6131	14.71	1402	95.28	0.4289	0.4135
	High-low temperature test168H	3218	90.5	0.5985	14.36	1392	96.95	0.4288	0.4137
480leds8mm-24V-10W silicon extrusion waterproof	Before test	3248	90.7	0.454	10.9	993.7	91.21	0.4253	0.4093
	High-low temperature test168H	3222	90.8	0.4612	11.07	1045	94.39	0.4269	0.4098
480leds10mm-24V-5W Glue injectedwateproof	Before test	3304	90.9	0.2226	5.342	516.3	96.65	0.4227	0.4103
	High-low temperature test168H	3308	90.8	0.2229	5.349	534.3	99.88	0.4224	0.41

6、Conclusion: After 168H of COB High-low temperature test cycle, the light efficiency and lumen are slightly improved, and there is no significant difference in other parameters.