

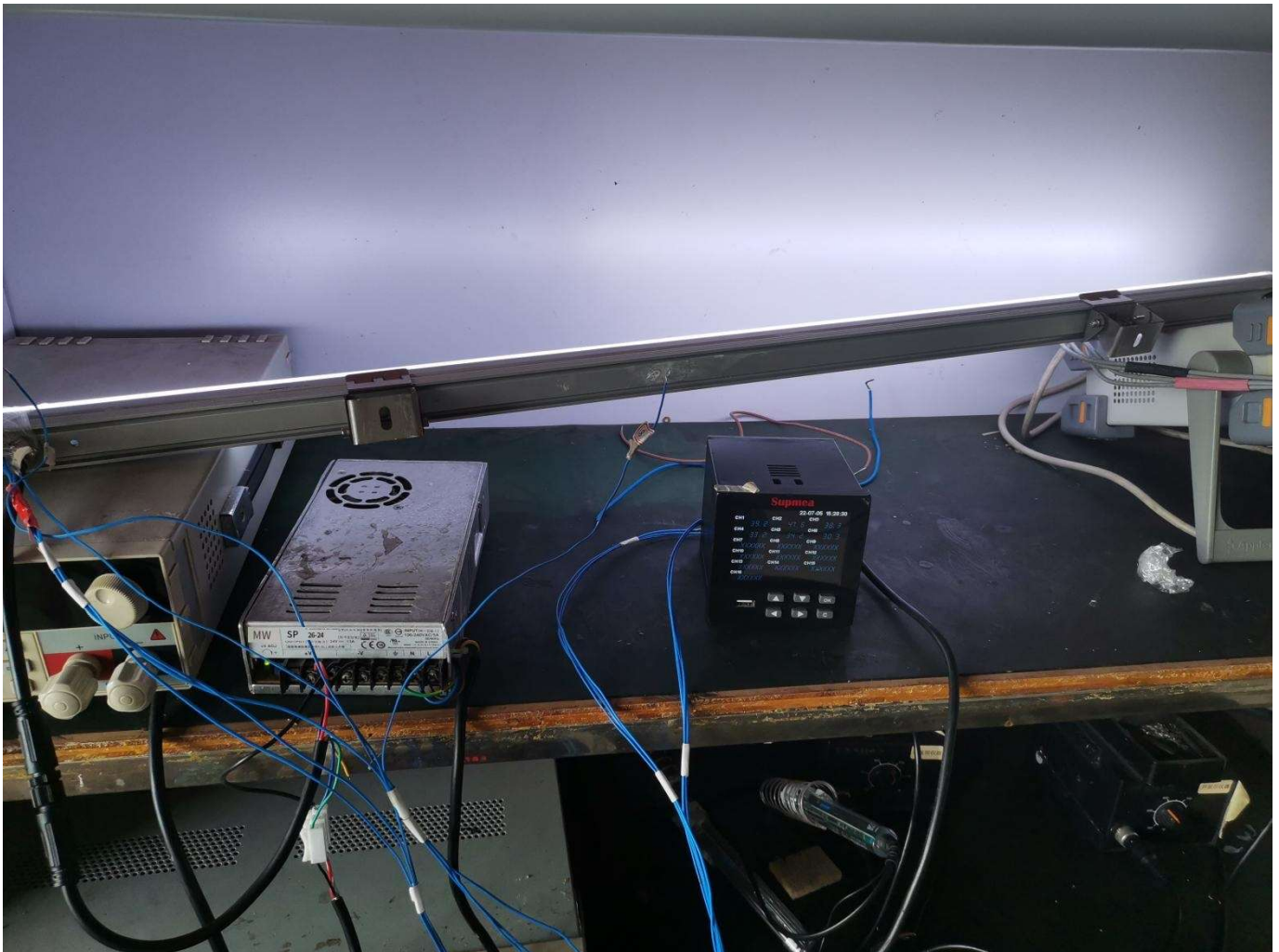
Test report

Test items	(SQ) Temperature rise test
Test object	LLS-OP-W30A-L10-DMX-P
Purpose of detection	Test whether the temperature of the lamp bead and each point is within the range
Test time	Start 2022-07-05 12:30 End: 2022-07-05 17:00

Testing instrument: thermometer + DMX simple controller

Experimental methods and steps:

- 1: The probe is fixed on each test point with temperature glue
- 2: Place it on a cabinet that is not affected by convection
- 3: The temperature equilibrium point is reached 2 hours after the start of the test



Test data:

Temperature test of projection light								
Power Supply	2022/7.0 220v 5	Test Spot	Test environment: 32℃		Test RGB full light state temperature rise			
			Lamp Beads	Light board	IC	Room temperature	Lamp body housing	
Top value of each item after temperature stabilization		Peak	45.85	44.76	54.44	32.94	37.71	39.86
		Valley values	45.19	44.13	53.84	32.32	37.19	38.95
		Average	45.52	44.45	54.14	32.63	37.45	39.4

投射灯温度测试								
电源： 220v	2022/7.0 5	测试环境：32℃				测试RGB全亮状态温升		
		测试点	灯珠	灯板	IC	室温	灯罩	灯体外壳
		峰值	45.85	44.76	54.44	32.94	37.71	39.86
		谷值	45.19	44.13	53.84	32.32	37.19	38.95
		平均值	45.52	44.45	54.14	32.63	37.45	39.4

Test results:

From the above data, it can be seen that when the ambient temperature is 32℃, the RGBW is fully lit, and the power is 18W, the lamp bead pin temperature is the highest 45℃, and the chip junction temperature is estimated to be 65℃, which is within the working range of the lamp bead. (The standard junction temperature of the lamp bead is 100 ° C)

Test conclusion:

The heat dissipation of this line light can meet the requirements of use even when RGBW is fully lit.