

Test report

Test items	(SQ) Temperature rise test
Test object	LLS-w30 Line light
Purpose of detection	Test whether the temperature of the lamp bead and each point is within the range
Test time	From 2022-06-21 14:30 until: 2022-06-21 17:30

Testing instrument: thermometer

Experimental methods and steps:

- 1: The probe is fixed on each test point with temperature glue
- 2: Put into the sealed box
- 3: Put the lamp into the sealed box and test for 3 hours to reach the temperature equilibrium point



Tester: Hong Lu

Auditor: Peng Ou

time:2022-06-22

Test data:

Temperature test of projection light							
Power Supply:	2022/6.2 24v	Test environment: 34℃			Test temperature rise in steady state		
		Test Spot	Lamp Beads	Lightboard		Lamp body	Room temperature
Top value of each item after temperature stabilization		Peak	51.82	49.46	44.12	46.65	33.76
		Valley values	38.6	36.1	33.5	33.3	30.9
		Average	45.21	42.78	38.81	39.975	32.33

投射灯温度测试							
电源： 24v	2022/6.2 1	测试环境：34℃			测试常亮状态温升		
		测试点	灯珠	灯板	灯罩	灯体	室内温度
温度稳定后各项顶值		峰值	51.82	49.46	44.12	46.65	33.76
		谷值	38.6	36.1	33.5	33.3	30.9
		平均值	45.21	42.78	38.81	39.975	32.33

Test results:

From the above data, it can be seen that when the ambient temperature is $\approx 34^{\circ}\text{C}$, the white light is always bright, and the power is 18W, the temperature rises to $\approx 3^{\circ}\text{C}$, and the maximum pin temperature is about 52°C , which is within the working range of the lamp bead. (The standard junction temperature of the lamp bead is 120°C)

Test conclusion:

The heat dissipation of this line light can meet the requirements of use even when it is always on. The results of this experiment are only responsible for the sample results.