

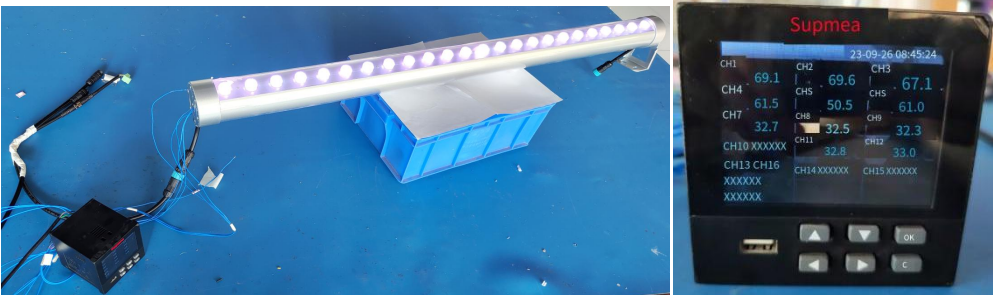
Test report

Test items	(SQ) Temperature rise test
Test object	LWW-OP-D80-L12-RDM
Purpose of detection	Whether the temperature of the control board and each point is within the range
Test time	Start 2023-09-25 18:00:2023-09-26 08:00

Testing instrument: thermometer

Experimental methods and steps:

- 1: The probe is fixed on each test point with temperature glue
- 2: Connect the lamp and place it for 2 hours, and start the test after the temperature reaches the equilibrium point



Test data:

Product specifications: -D80 series,V1.0; L1290xD80mm, transparent PC tube, oxidized fog silver lamp body; 24P,4W,RGBWW(3800-4500K), Tianxin,4IN1; 20°,100-277V AC,DMX/RDM,IP67, Lilutong 7-pin, exposed 0.2M; Max power 65W, with stainless steel bracket

Ambient temperature: 31.89~35.14℃		Lamp bead: RGBWW(3800-4500K)			Full light state test			
Time: 2023/9/25~26	Test point:	Constant voltage chip	Transceiver	MCU	Diode	Drive	Inductance	
		(125 °C)	(85 °C)	(105 °C)	(125℃)	IC (125℃)	(125℃)	
		Peak	68.02	67.41	67.98	75.7	76.33	73.69
		Valley	43.24	43.08	43.42	51.18	52.19	49.16
		Average	65.56	65.01	65.62	73.21	73.79	71.13

Test results:

From the above data, it can be seen that when the ambient temperature is 35°C, full light, full load, the pin temperature is within the controllable range, and this temperature 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 the LWW-OP-D80-L12-RDM control board can meet the requirements of use even in the condition of full brightness.

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