

Test report

Test items	(SQ) Temperature rise test
Test object	LWW-OP-D80-L12-RDM
Purpose of detection	Test whether the temperature of the lamp bead and each point is within the range
Test time	Start 2023-09-18 18:30 End: 2023-09-19 08:30

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



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审核人：欧鹏

日期：2023-09-19

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 36W, with stainless steel bracket

Ambient temperature: 29.74~33.22°C		Lamp Bead: RGBWW (3800-4500K)			Full light state test		
Time: 2023/9/18~19 Test point:		Lamp bead pin	Lamp bead φ20 outside The lamp board points	The point at which the lamp bead is closest to the housing	Control board chip	End cover	Lamp tubes
LWW-OP-D80-L12-RDM	Peak	49.61	45.66	44.37	57.45	42.2	42.82
	Valley value	43.27	38.18	35.28	47.51	34.27	36.31
	Average	46.85	42.39	40.79	54.46	39.56	41.06

环境温度：29.74~33.22°C		灯珠：RGBWW (3800-4500K)			全亮状态测试		
时间：2023/9/18~19	测试点：	灯珠引脚	灯珠 φ20 外的灯板点	灯珠距离外壳最近点	控制板芯片	端盖	灯管
LWW-OP-D80-L12-RDM	峰值	49.61	45.66	44.37	57.45	42.2	42.82
	谷值	43.27	38.18	35.28	47.51	34.27	36.31
	平均值	46.85	42.39	40.79	54.46	39.56	41.06

Test results:
From the above data, it can be seen that when the ambient temperature is 33°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 this LWW-OP-D80-L12-RDM can meet the requirements of use even in the condition of full brightness.