

温度测试表

版本: R&D-PTR-V1.2

Product name		LWW-W55-L12-RDM							
High temperature test									
Ambient temperature		20 °C		Test environm ent	Non-ventilated environment				
Drive current		0.30 A			Power	63.96 W	Operating voltage	120V, 220V, 277V	
Test item selected		Lamp bead ☐ Low voltage drive and control ☐ Lamp board ☐ Lamp body ☐ Switching power supply (high voltage constant current drive)							
Temp eratur e test data	mods		Probe number	120V		220V		277V	
	U1		CH01	53.8 °C		53.3 °C		54.1 °C	
	Main control IC U2		CH02	54.1 °C		53.7 °C		54.5 °C	
	Drive IC UR1		CH03	57.6 °C		57.2 °C		58 °C	
	Driver IC UG1		CH04	58.8 °C		58.2 °C		59.0 °C	
	Drive IC UB1		CH05	60.7 °C		61.4 °C		61.0 °C	
	Drive IC UW1		CH06	61.7 °C		61.2 °C		62.0 °C	
	Patch inductor LR1		CH07	57.0 °C		56.6 °C		57.4 °C	
	Chip inductance LG1		CH08	59.4 °C		58.9 °C		59.7 °C	
	Patch inductor LB1		CH09	61.2 °C		60.8 °C		61.5 °C	
	Patch inductance LW1		CH10	57.5 °C		56.9 °C		57.7 °C	
	Inside the tube cavity		CH11	49.2 °C		48.2 °C		49.1 °C	
	Lamp bead negative electrode		CH12	53.6 °C		53.3 °C		53.2 °C	
	Light board		CH13	53.7 °C		53.9 °C		53.8 °C	
Lamp body		CH14	48.7 °C		48.4 °C		49.1 °C		
Test conclusion									
Test items		Decision criteria		Determinatio n of conformity		Rectification plan			
Red light bead chip temperature determination		Lamp pin temperature + thermal resistance X power <85°C		OK					
Green lamp bead chip temperature determination		Lamp foot temperature + thermal resistance X power <85°C		OK					
Blue lamp bead chip temperature determination		Lamp foot temperature + thermal resistance X power <85°C		OK					
White lamp bead chip temperature determination		Lamp pin temperature + thermal resistance X power <85°C		OK					



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Driver chip temperature determination	< 100 °C	OK	
Capacitance temperature determination	< 105 °C		
Inductance temperature determination	< 100 °C	OK	
Continuous current diode temperature determination	< 100 °C		
Control chip decision	< 85 °C	OK	
Lamp body temperature determination	< 70 °C	OK	
Transformer temperature determination	< 100 °C		
MOS tube temperature determination	< 100 °C		
Output diode temperature determination	< 100 °C		

Test time: 2024.1.9

Signature of Project engineer:

Signature of tester: Li Lei