

规格书

IP67 CSP桑拿灯带



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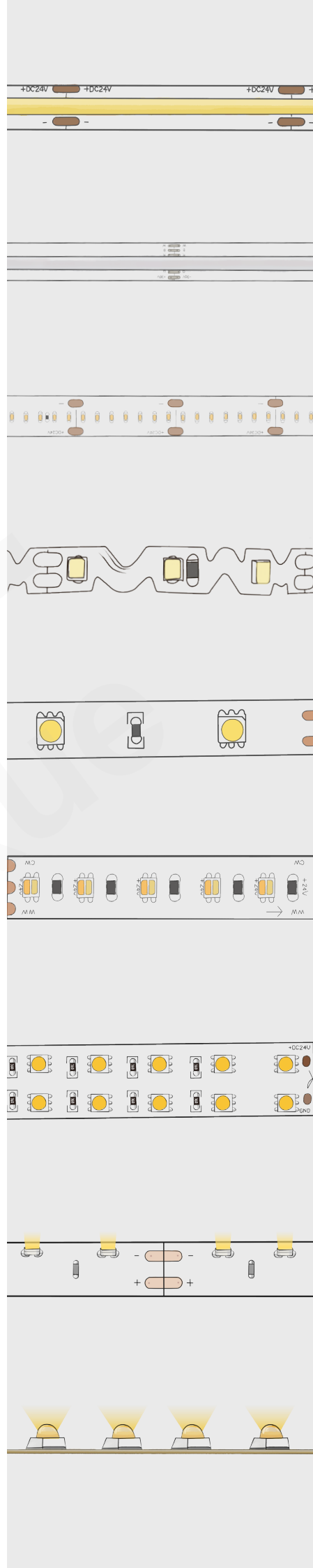
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共创园9-10栋





IP67 CSP 桑拿灯带

- 1-无斑点视觉的csp芯片，IP67
- 2-rgb设计，适用于氛围照明
- 3-耐高温耐湿，适用于桑拿浴室



产品参数

型号	电压	色温/K	功率/米	显指	流明/米	流明/英尺	流明/瓦	裁剪位	最长连接长度
MF304A840Q00-D000J3A10207N	24V	R	4	N/A	119	36	30	50mm	5m
MF304A840Q00-D000J3A10207N	24V	G	4	N/A	383	117	96	50mm	5m
MF304A840Q00-D000J3A10207N	24V	B	4	N/A	65	20	16	50mm	5m
MF304A840Q00-D000J3A10207N	24V	RGB	12	N/A	559	170	47	50mm	5m

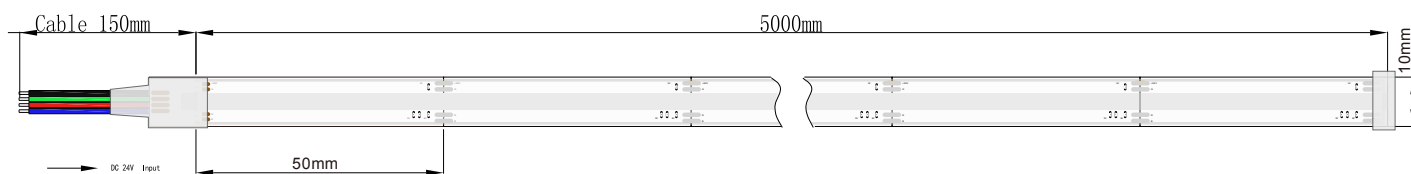
电气参数

输入电流/米:	0.5A/m(0.16A/ft)
输入电压:	DC24V
功率/米:	12W/m
抗静电:	2000V (ESD)
灯珠数/米:	840LEDs/m
裁剪长度:	50mm
灯珠数/组	42LEDs

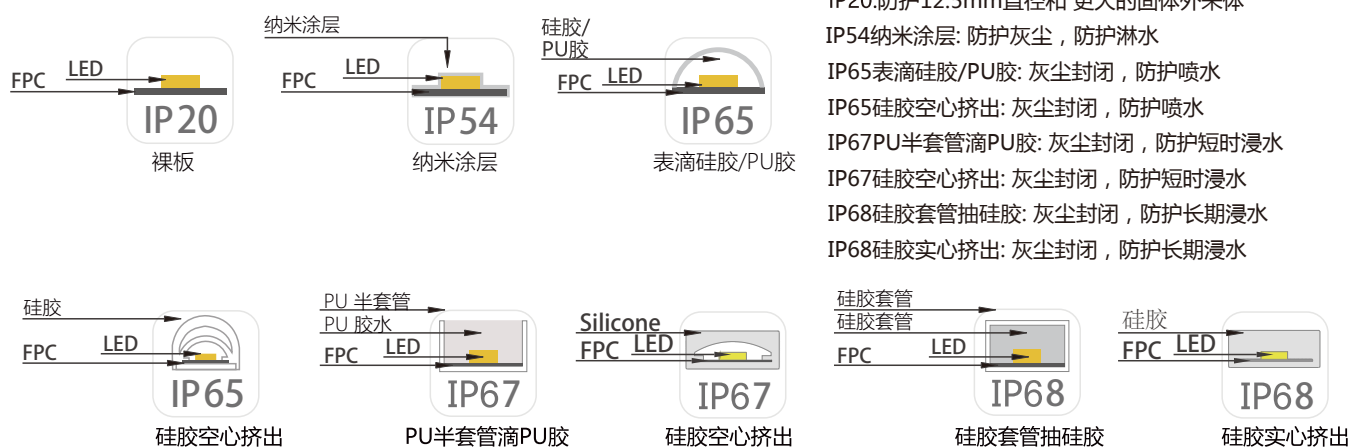
光学参数

灯珠类型:	CSP
显色指数:	N/A
色温范围:	RGB
发光角度:	140°

尺寸图

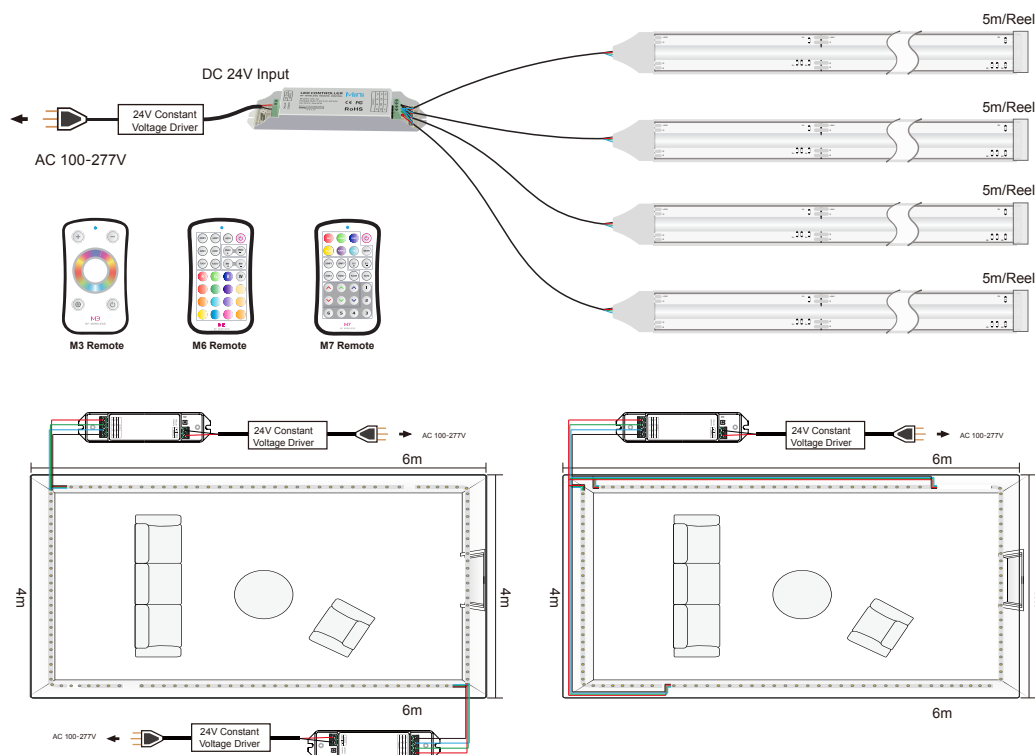


防水等级

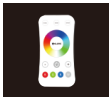


接线图应用图

5米单端供电



控制器

图片	款式	型号	规格	匹配
	RGB 遥控器	MX-03-030469	Output signal :RF(2.4GHz) Working voltage :3VDC(CR2032) Remote control distance:30m Working temperature:Ta:-30°C~+55°C	匹配RGB灯带
	RGB 控制器	MX-03-030467	Input voltage :12-24VDC Output current :3CH,4A/CH Output Power :144-288W Working temperature:Ta:-30°C~+55°C	匹配RGB灯带

标准线标（具体请看实际产品线标）

○ RGB

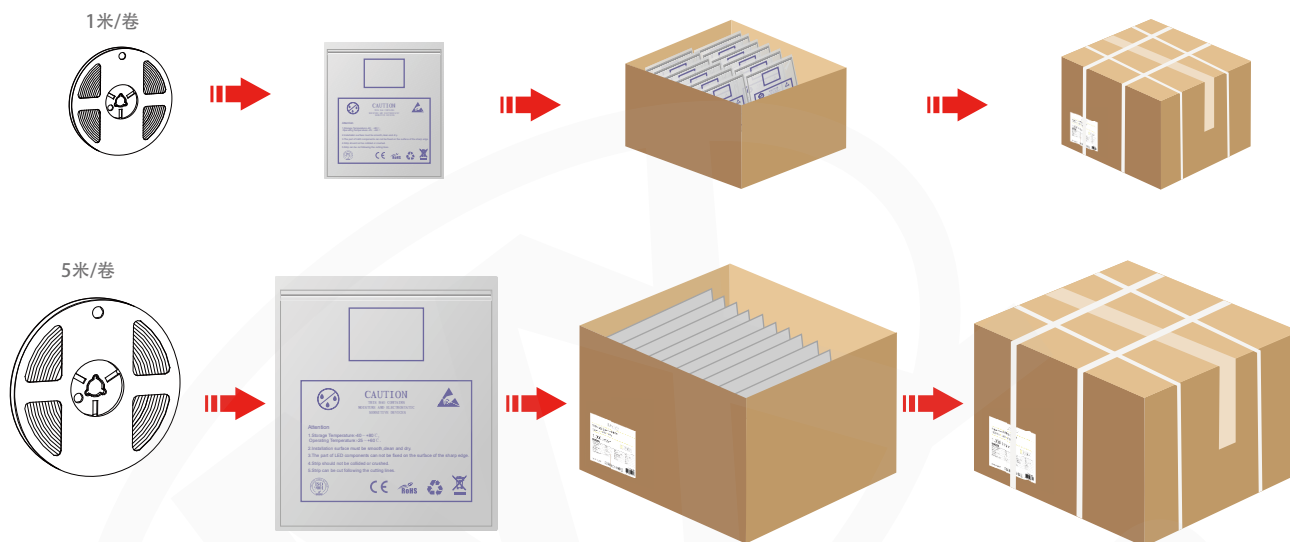
Black: V+
Red: R
Green: G
Blue: B



可靠性测试

	测试项目	测试标准	描述
PHOTOMETRIC TEST	Spectrum Analysis	LM 79	LM 79(lumen,CCT,CRI,XY,SDCM,wave length)
	Photometric Distribution	LM 79	LM 79(lumen intensity distribution&Lux diagram)
	Lumen Maintenance&Life Time	IES LM 80&IES TM28 GB/T24824-2009	LM 80&IES TM28
ELECTRICAL TEST	EMC Test	EMI & EMS	IEC 61547/GBT 18595 IEC 61000-3-2/GB 17625.1
MECHANICS & PHYSICE TESTING	Bending Test Vertical	Mingxue	Manufacturer-defined,100 cycles 3 times bending with 0.5m/s pulling speed
	Bending Test Horizontal	R2	Manufacturer-defined,100 cycles 3 times bending with 0.5m/s pulling speed
	Wrestling test	Mingxue	COB/CSP 500 / SMD 1000. cycles
	Swing Test	UL2388	UL2388,>750 cycles
	Tensile Test	IEC 60598-1; GB7000.1	Manufacture-defined,>the weight of light in maximum connection length wiht both ends feed. With 30Nm if total cross section <0,75 or 60Nm force, pull wire 25 timesduring 1 sec. Mark displacement ≤ 2mm.
	Twist Test	Mingxue	Manufacturer-defined,>200 cycles in 720°
	Curl test	Mingxue	Back and forth 80-100 times
	IK06-08-10	IEC62262	IEC62262 The hammer spring Impact energy 0.7J
	Adhesion test	JB1256-77	3M 4229P hung on 2kg loads >7 hrs
	Drop test	IEC68-2-6	IEC68-2-6,GB/T2423/10/95
	Vibration test	ISTA-1A	bear up to 25,4mm amplitude in 14200 cycles
	Winding Test	IEC 60598-1; IEC 60598-2-21; GB-7000.1	φ 150mm cylinder, 60N pull, winding 10 times at (-25°C ±2°C) , and 10 times after(-15°C ±2°C, 16h).
	Electrical strength	IEC 60598-1; IEC 60598-2-21 GB-7000.1	500V
	Product accessories disassembly test	Mingxue	Product accessories are installed and adapted 5-10 times
ENVIRONMENT TESTING	Heating test	IEC 60598-1: 12.4	Sample to be tested under normal installation Under 1.06 times Rating Voltage After 30 minutes.
	Salt Spray Test	IEC 60068-2-11	5% salt solution concentration,5% salt water,35+/-2C for 72hrs
	High temperature and Humidity impact	IEC 60068-2-78 GB/T 2423.3	60+/-2° C for 168 hrs 60°C, 85%RH, Test light decay data<3%
	Temperature Shock Test	IIEC60068	Manufacturer-defined,0°C to 60°C(typical temperature ange) 168H
	switch test	GB/T24824-2009	30s On, 30s Off, 15000 times;on/off every 30s, > 15000 cycles
	Lifetime aging test	Mingxue	Normal temperature 25°C
	Constant Temperature Test	Mingxue	Manufacturer-defined,60°C to -40° (typical temperature)
	Cold Bend Test	IEC 60598-1; IEC 60598-2-21 GB-7000.1	wound on mandrel,low-temperature (-15°C ±2°C, 16h), around the mandrel for two turns
	Cold Impact test	IEC 60598-1; IEC 60598-2-21 GB-7000.1	Low-temperature (-15°C ±5°C, 16h), hammer falls from a height of 100mm.
	UV Exposure Test	ASTMG154-06	ASTMG 154,ISO 4892-3, UVA@340nm ASTMG154-06, UVA-340 0.68W/m2 for 500 hrs
	IPX5 IPX6 IPX7 IPX8	IEC 60598-1; IEC 60598-2-21 GB-7000.1	IEC60529 IPX5/X6/ IPX7/X8

包装



安全信息

LED柔性带的应用注意事项

为了安全地驱动LED柔性条形灯，绝对有必要使用电子稳定电源来操作它们，防止短路、过载和过热

为了方便灯具/安装审批，LED或LED灯的电子控制装置、电源和所有电子附件都应带有“CE或UL”标记，并符合最新的安全标准。

- 请使用24VDC隔离电源驱动LED灯带，恒压源纹波小于5%。不能通过电阻电容和非隔离电源驱动led条等降压电源为保障灯条的寿命和可靠性，请不要弯曲弧径60mm及以下，不要折叠，以免损坏灯珠或折断。
- 为保证灯具的使用寿命和环境，在使用时不能用力拉电源线，以免损坏LED灯具，禁止碰撞。
- 安装时请注意正负极电源线，不要选电压错误的电源与灯带使用，以免损坏产品。
LED灯带应存储在干燥密封的环境中，建议存储期不宜过长，工作温度-20 ~ + 120℃，储存温度:0 ~ + 60℃，不防水灯
- 带在室内使用，相对湿度不高于85%。
- 在实际应用中电源应留有20%的余量（建议只使用80%的功率），以保证足够的电压驱动产品。不要使用任何酸性，碱性粘合剂固定产品（包括但不限于玻璃，塑料等）