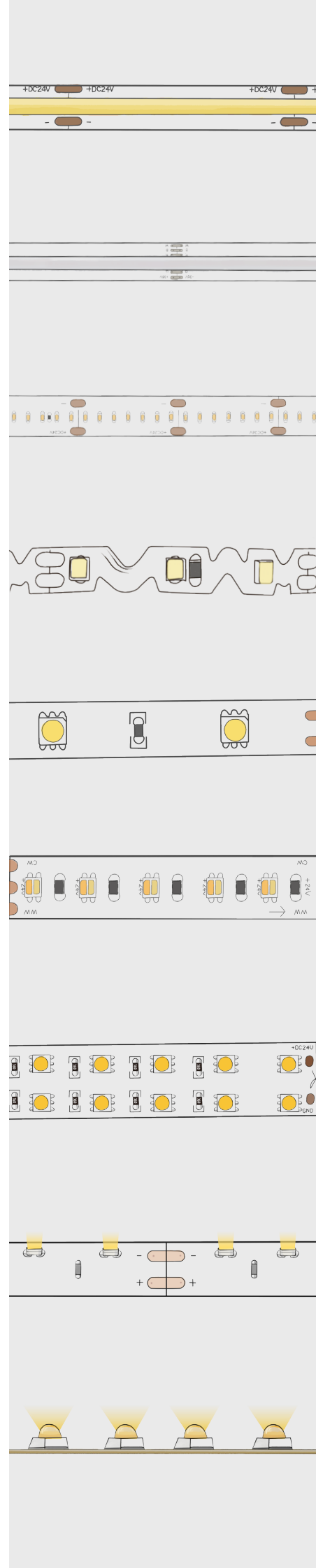


产品规格书

IP67 COB桑拿灯带





IP67 COB 桑拿灯带

- 1- 采用COB灯珠，无光斑，IP67
- 2- 100Lm/W超高光效，节能省电
- 3- 耐高温耐湿，可用于桑拿房



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
MF309V480Q90-D027A3A10308N	24V	2700k	10	>90	950	290	95	50mm	5米
MF309V480Q90-D030A3A10308N	24V	3000k	10	>90	950	290	95	50mm	5米
MF309V480Q90-D040A3A10308N	24V	4000k	10	>90	1000	305	100	50mm	5米
MF309V480Q90-D050A3A10308N	24V	5000k	10	>90	1000	305	100	50mm	5米
MF309V480Q90-D065A3A10308N	24V	6500k	10	>90	1000	305	100	50mm	5米

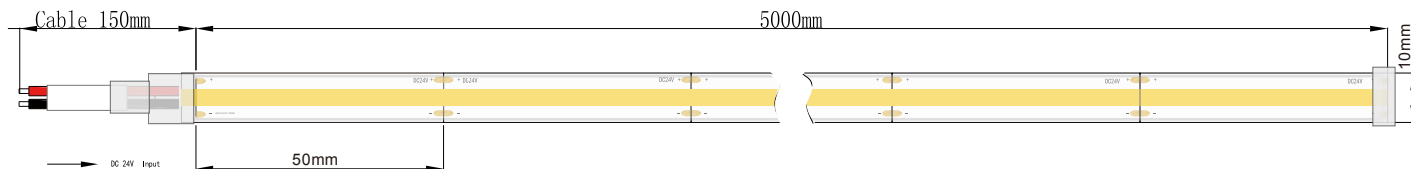
光学参数

灯珠类型:	COB
显指:	Ra>90
色温:	2700K, 3000K, 4000K, 5000K, 6500K.
发光角度:	140°
光效:	95-100Lm/w
流明/米:	950-1000Lm/米
质保:	3年

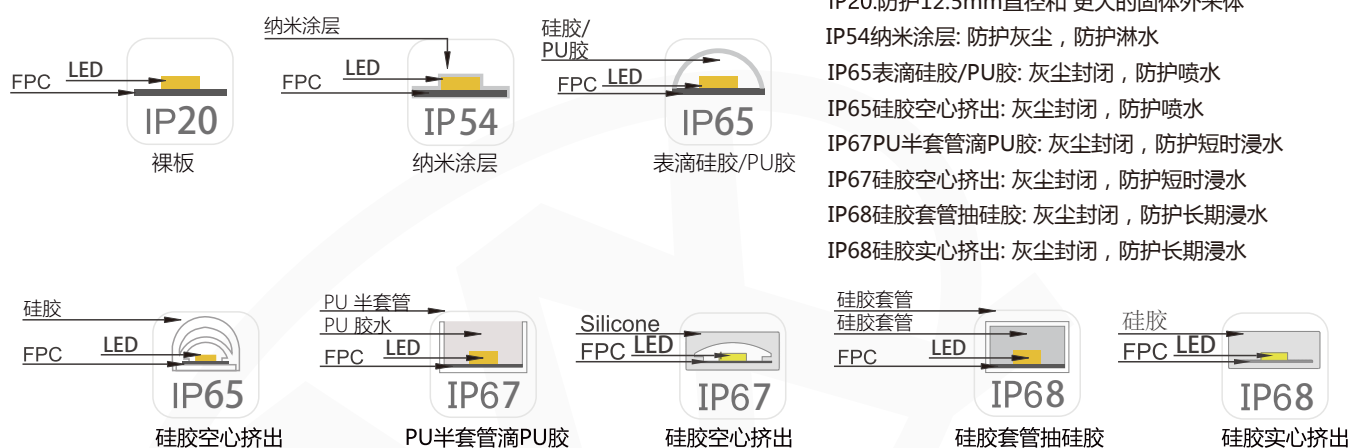
电性参数 (24V)

输入电流/米:	0.42A/米
输入电压:	DC24V
功率/米:	10W/米
抗静电:	2000V(ESD)
灯珠数/米:	480LEDs/m
裁剪长度:	50mm
灯珠/组:	24LEDs

尺寸图

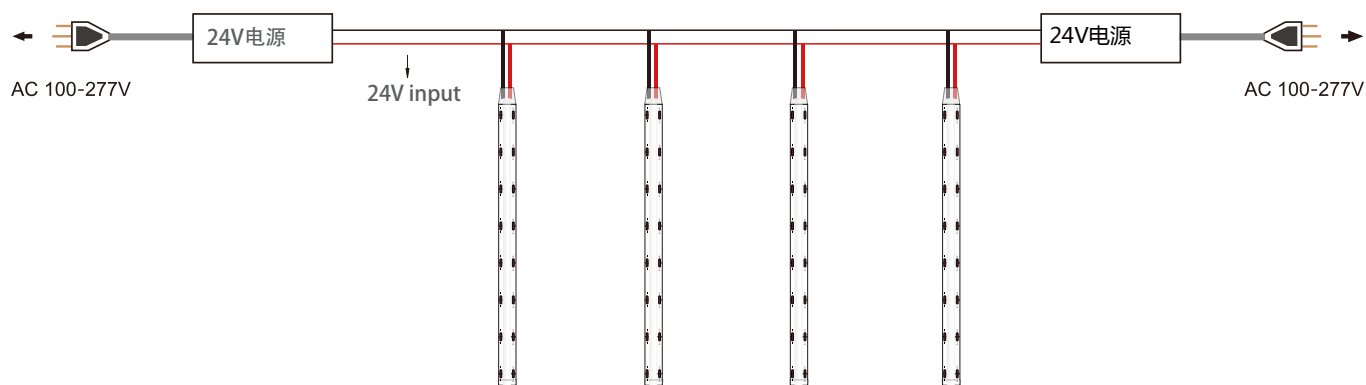


防水等级



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
	单色遥控器	MX-03-030472	Output signal:RF(2.4GHz) Working voltage:3VDC(CR2032) Remote control distance:30m Working temperature:Ta:-30°C~+55°C	匹配单色灯带
	单色控制器	MX-03-030322	Input voltage:12-48VDC Output current:15A@12/24V-10A@36/48V Output Power:180W@12V-360W@24V 360W@36V-480W@48V Working temperature:Ta:-30°C~+55°C	匹配单色灯带

标准线标（具体请看实际产品线标）

○ 单色

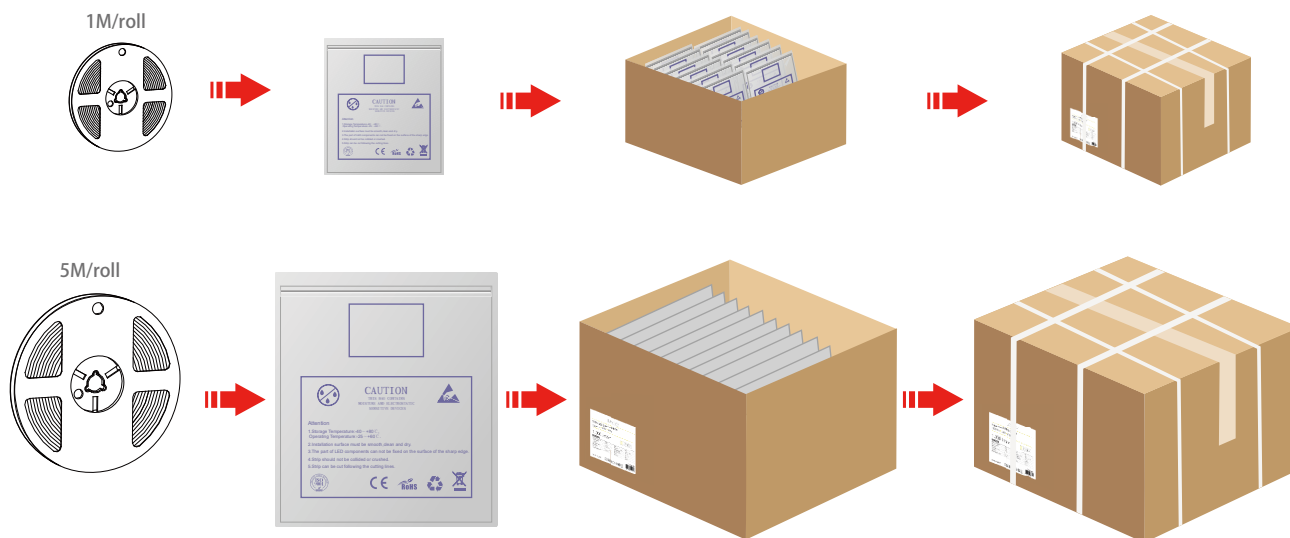
Red: V+
Black: GND



可靠性测试

测试类型	测试项目	测试标准	
1-FIND REPEATED TEST 2-RE ARRAGE ORDER 3-CONFIRM STANDARD * 4-REQUIRED EQUIPMENT FOR TEST ** 5-CONFIRM ALREADY AVAILABLE EQUIPMENT WITH LIAO *** 6-CONFIRM ETA FOR MISSING EQUIPMENTS ****	ITEM	DESCRIPTION	REQUIRED EQUIPMENT FOR TEST **
PHOTOMETRIC TEST	Spectrum Analysis	LM 79(lumen,CCT,CRI,XY,SDCM,wave length)	☒
	Photometric Distribution	LM 79(lumen intensity distribution&Lux diagram)	☒
ELECTRICAL TEST	ESD test	IEC61000-4-2/ANSI-ESDSTM5.1.2	
	EMC Test	IEC 61547/GBT 18595 IEC 61000-3-2/GB 17625.1	☒
MECHANICS & PHYSICE TESTING	Bending Test Vertical	Manufacturer-defined,500 cycles 3 times bending with 0.5m/s pulling speed	
	Bending Test Horizontal	Manufacturer-defined,500 cycles 3 times bending with 0.5m/s pulling speed	
	Swing Tes	UL2388,>750 cycles	
	Tensile Test	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	Manufacturer-defined,>200 cycles in 720°	☒
	Adhesion test	3M 4429P hung on 2kg loads >7 hrs	☒
	drop test	IEC68-2-6,GB/T2423/10/95	☒
	Vibration tes	I bear up to 25,4mm amplitude in 14200 cycles	
	Insulation Resistanc	≅ 2MΩ	☒
	Electrical strength	500V	☒
ENVIRONMENT TESTING	Heating test	Sample to be tested under normal installation Under 1.06 times Rating Voltage After 30 minutes.	☒
	Salt Spray Test	5% salt solution concentration, 48h 5%,48H 35, 5% salt water,35+/-2C for 48hrs	☒
	High temperature and Humidity impact	65+/-2° C for 500 hrs 60°C, 85%RH 60度, 85%RH	☒
	Temperature Shock Test	Manufacturer-defined,-40°C-85°C (typical temperature ange)	☒
	switch test	30s On, 30s Off, 15000 times on/off every 30S, > 15000 cycles	☒
	Lifetime aging test	35°C, 6000h	☒
	Constant Temperature Test	Manufacturer-defined,60°C to -40° (typical temperature)	☒
	Winding Test	φ 150mm cylinder, 60N pull, winding 10 times at (-25°C ±2°C) , and 10 times after(-15°C ±2°C, 16h)	☒
	Cold Bend Test	wound on mandrel,low-temperature (-15°C ±2°C, 16h), around the mandrel for two turns	☒
	Cold Impact test	Low-temperature (-15°C ±5°C, 16h), hammer falls from a height of 100mm.	☒
	UV Exposure Test	ASTMG 154,ISO 4892-3, UVA@340nm ASTMG154-06, UVA-340 0.68W/m2 for 300 hrs	☒
	IPX5 IPX6 IPX7 IPX	IEC60529 IP65 -IP67	☒
	Flame Resistant Test	UL94	

包装



安全信息

LED柔性带的应用注意事项

- 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）