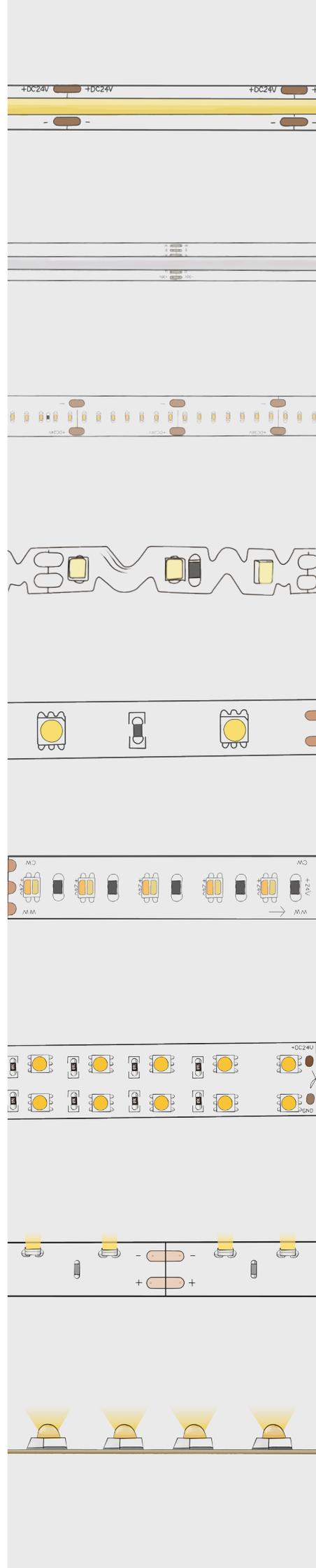




# 产品规格书

## SMD5050 60LED 洗墙灯



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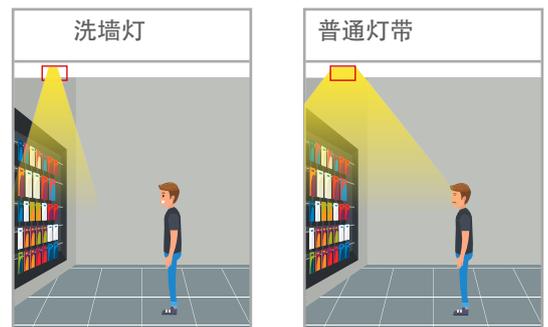
## 5050 SMD60LED 洗墙灯

- 采用5050镜头LED灯珠，有效提高照度值；与普通灯条相比，在相同光通量的情况下，其照明集中，照射距离更长，利用效率更高，中心照度更高；
- 优化结构设计，提高光学效率。该材料耐阻燃剂和紫外线；可以做不同版本，有RGB SPI /DMX白光；
- 5米/卷，也可根据需要切割长度；可达到IP65防护等级，室内外均可使用。



### 重点照明:洗墙灯与普通LED灯条

洗墙是一种照明光学技术，将灯具放置在离墙面一定位置，从上到下均匀照射墙面。二次光学角度用于产生平滑的“洗涤”效果，强调垂直表面，使较小的空间感觉更大。普通的传统灯条是范围照明，没有角度设计。



## 产品参数

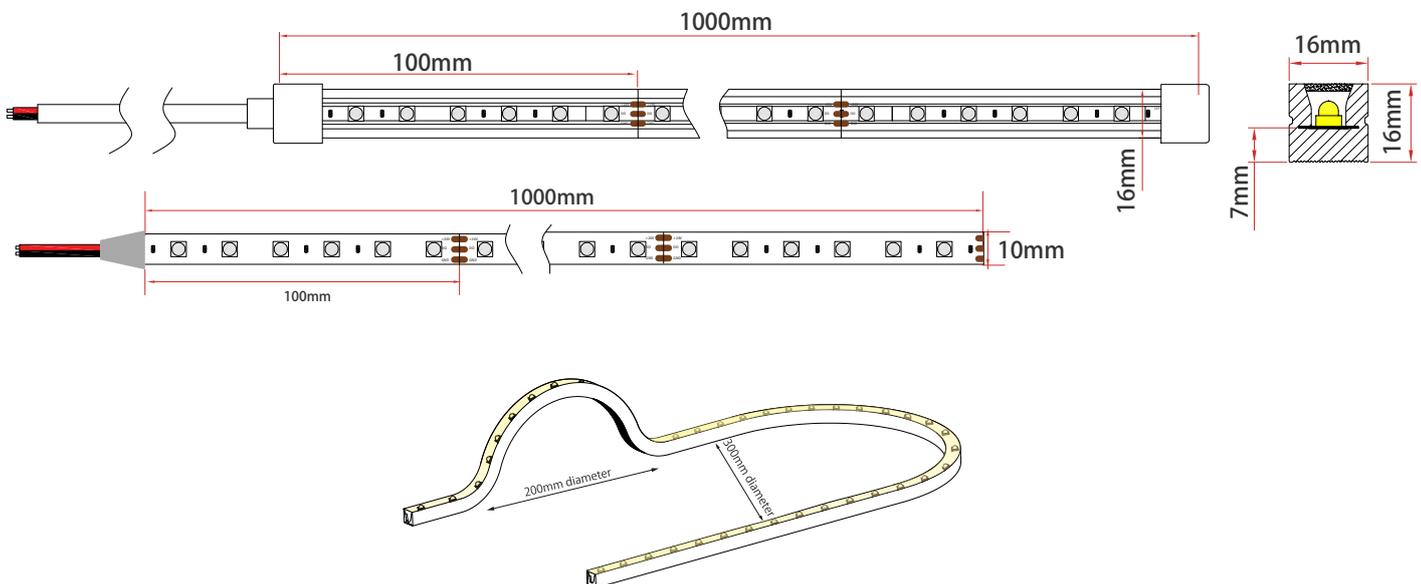
系列	型号	电压	色温	显指	功率	流明/米	流明/英尺	流明/瓦	角度	CD值	防水等级	裁剪长度	像素/米
RGB SPI 系列	MF35LA060Q00-D000D6F10106S	24V	RGB	N/A	13.5	446	136	33	60°	305	IP65	100mm	10 Pixel/M
RGB 系列	MF35LA060A00-D000J1F10106N	24V	RGB	N/A	16	496	151	31	45°	365	IP20	100mm	N/A
RGB SPI 系列	MF35LA060A00-D000J1F10106S	24V	RGB	N/A	13.5	405	123	30	45°	290	IP20	100mm	10 Pixel/M
SPI 白光 系列	MF35LW060A80-D040C1F10106S	24V	4000K	>80	13.5	1350	412	100	38°	1290	IP20	100mm	10 Pixel/M
白光系列	MF35LW060Q80-D040B1F10106N	24V	4000K	>80	15	1485	453	99	38°	1420	IP65	100mm	N/A
	MF35LW060A00-D040A1F10106N	24V	4000K	>80	15	1500	457	100	38°	1440	IP20	100mm	N/A

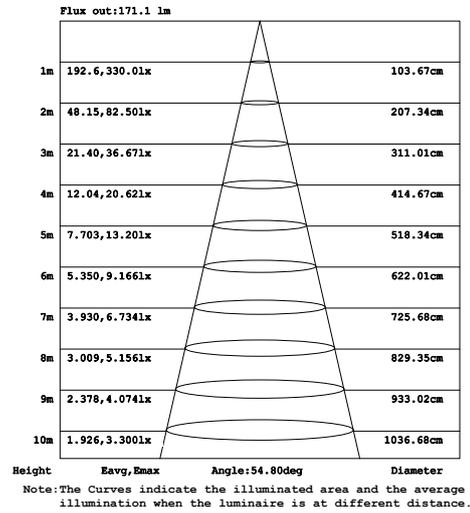
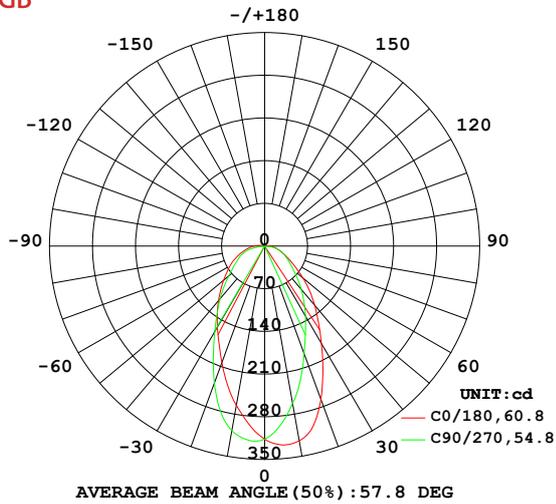
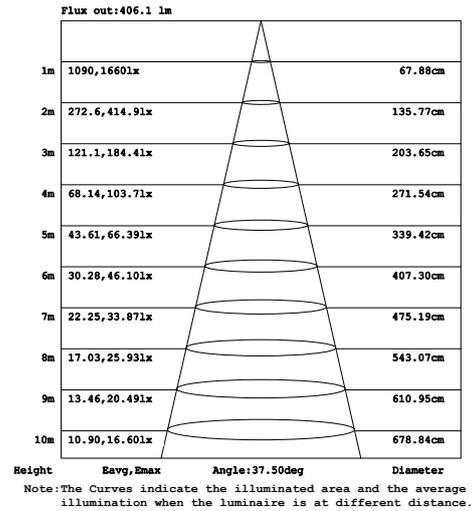
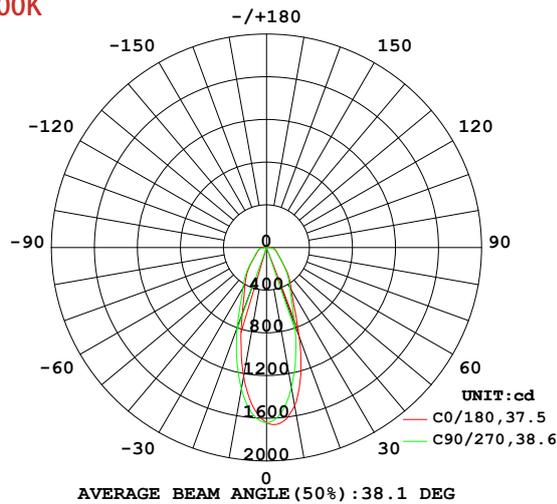
灯珠:	5050 透镜灯珠	输入电流/米:	0.625A/m(0.19A/ft)
显指:	>80	抗静电:	1000V (ESD)
发光角度:	38°/45°	质保:	3years
工作环境温度:	-20-45°C[-4~113°F]	寿命:	50,000H
灯珠数量/米:	60LED/M	单端供电可连接最长长度	5M [16.4ft]

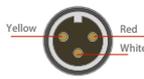
注意:

1. 光通量或CCT 2700K低10%，或CCT 3000/3500K低5%，对于CCT 5000K/ 6500K是相同的，与4000K相比。
2. 法规(EU)201 /2020的能效等级为4000K的E(CRI80)和CCT的F(CRI80)，它取决于CRI和CCT。
3. DMX版本的数据传输方向必须按照FPC上打印的箭头从PI到Po，不能反向连接，否则会导致带线失控甚至损坏。

## 尺寸图



**IES 测试**
**RGB**

**4000K**

**ELECTRICAL WIRING COLOR CODES**

○ 单色		
○ 双色温		
○ RGB		
○ RGBW		
○ SPI		
○ DMX		
○ RGBCT		

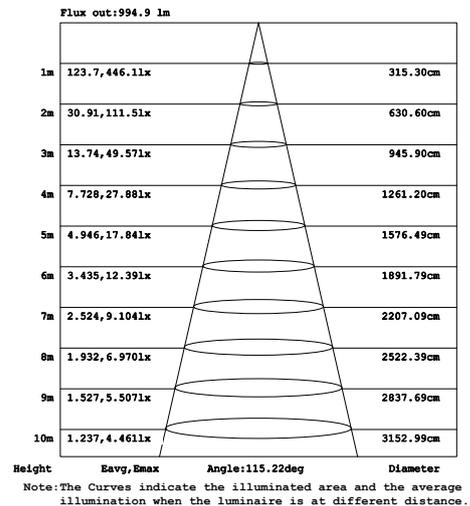
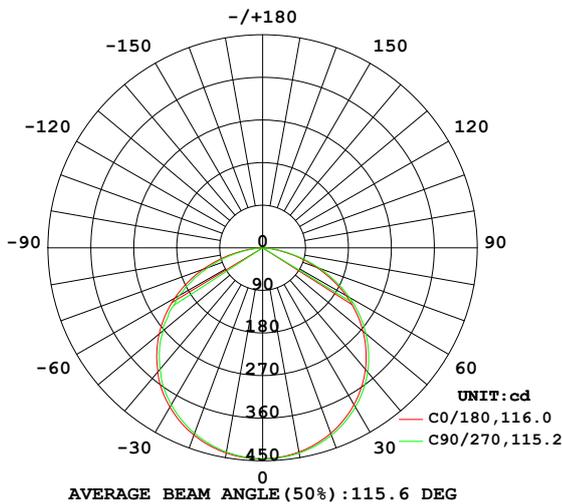
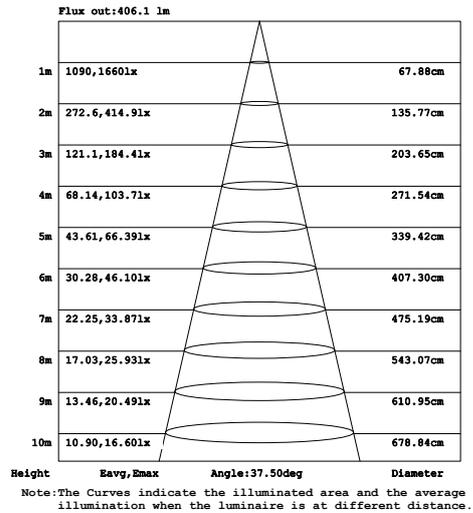
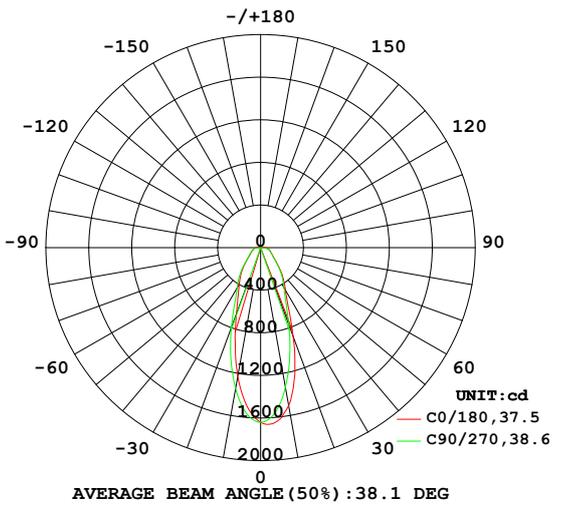
对比图



(用于强调和墙壁洗墙照明)

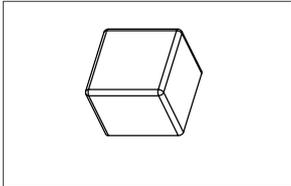


(一般照明和环境照明)

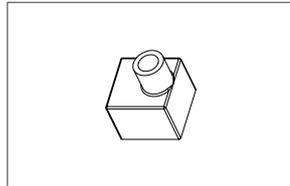




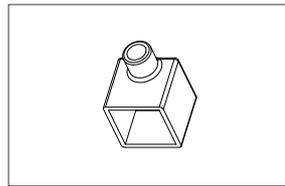
|| 安装配件



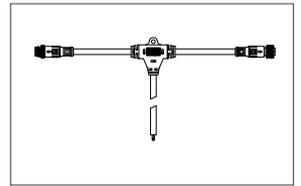
尾堵  
MX-08-001331



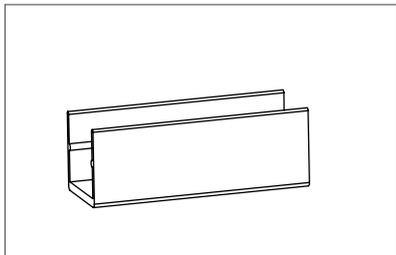
直出堵头  
MX-08-001328



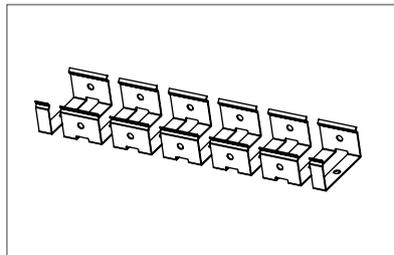
侧出堵头  
MX-08-001329



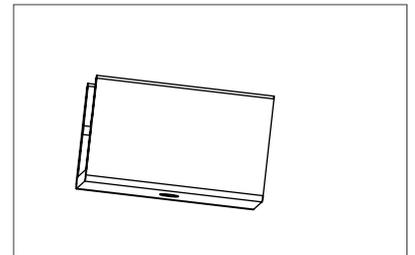
T型链接线  
MX-04-005335



铝型材  
MX-01-002361

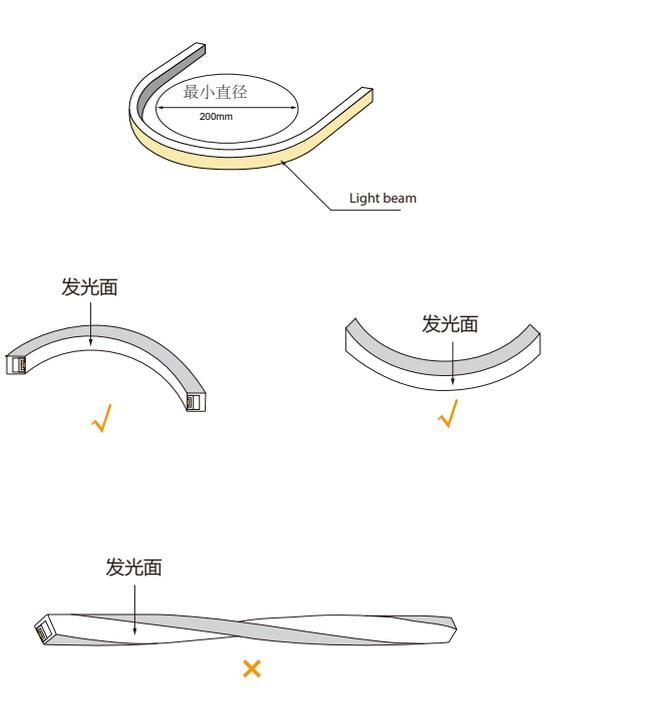


龙骨  
MX-01-002293



卡扣  
MX-01-002238

|| 弯曲展示



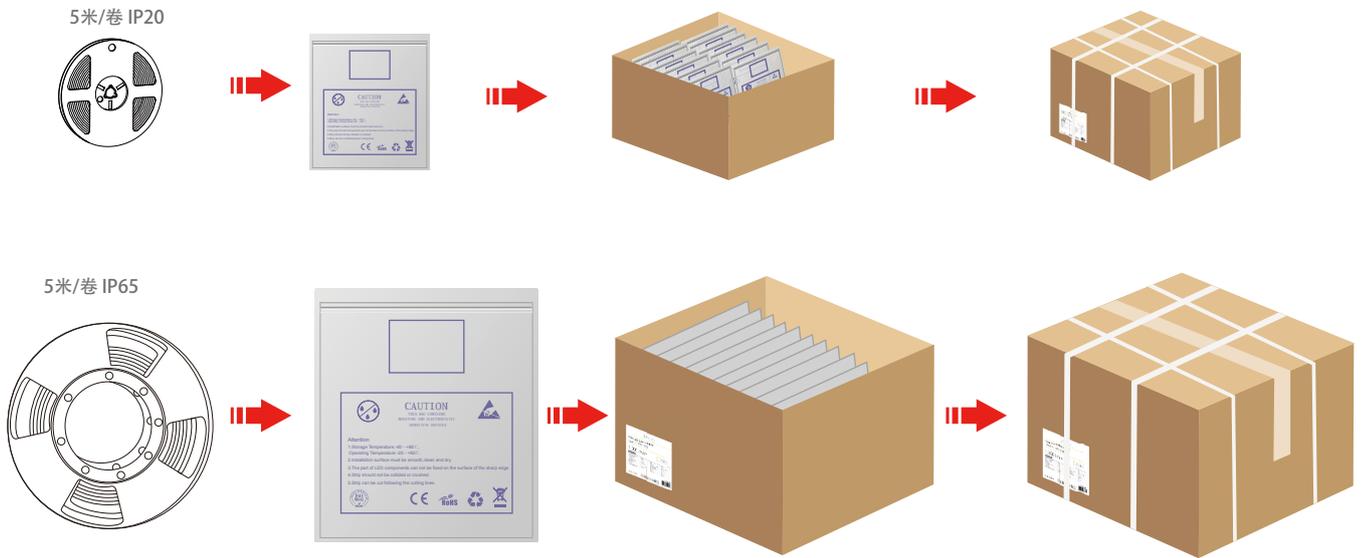
**控制器**

图片	款式	型号	规格	匹配
	DMX Master (Stand Alone Controller)	MX-03-030495	Working with PC/Stand Alone Output:8 outputs × Max 512 pixels Can not extend more controllers Software: MR Player	DMX512 strip
	SPI Slave Controller	MX-03-030496	Working with PC/Stand Alone Output:8 outputs × Max 512 pixels	SPI strip
	DMX Slave Controller	MX-03-030501	Working with PC/Stand Alone Output:8 outputs × Max 512 pixels	DMX512 strip
	Monochrome remote	MX-03-030472	Output signal:RF(2.4GHz) Working voltage:3VDC(CR2032) Remote control distance:30m Working temperature:Ta:-30°C~+55°C	Use with Monochrome light strip
	Monochrome light controller	MX-03-030322	Input voltage:12-48VDC Output current:15A@12V-10A@36V/48V Output Power:180W@12V-360W@24V 360W@36V-480W@48V Working temperature:Ta:-30°C~+55°C	Use with Monochrome light strip
	RGB remote	MX-03-030469	Output signal :RF(2.4GHz) Working voltage :3VDC(CR2032) Remote control distance:30m Working temperature:Ta:-30°C~+55°C	Use with RGB light
	RGB Controller	MX-03-030467	Input voltage :12-24VDC Output current :3CH,4A/CH Output Power :144-288W Working temperature:Ta:-30°C~+55°C	Use with RGB light
	MX-03-030475	LTSA512 DMX Master Controller	Input Voltage:5V DC Power Consumption:<2W Connection way:Mini USB Internal Memory:6000 steps@512Chs Output Connector:XLR-3 Transmission Signal:DXM512 PC Software:LTECH LED player	Use with DMX Pixel light
	MX-03-030479	DMX512 to SPI Pixel Decoder	(1)5-24VDC (2)Input Signal:DMX512/RDM+RF 2.4G Output signal:pixel signal (3)Control dots:1024 (4)Compatible with 37 kinds of Driving ICs;Numeric display (5)Reverse Polarity Protection.	Use with SPI Pixel light
	MX-03-030458	SPI Controller	12-24VDC Input signal:RF2.4G,WORK WITH R9 remote Output signal:SPI(TTL) Control dots:1024 Compatible with 45 kinds of Driving ICs Reverse polarity protection	Use with SPI Pixel light
	MX-03-030459	RGB/RGBW SPI remote	Output signal:RF(2.4Hz) Working voltage:3VDC(CR2032) Remote control distance:30m Working temperature:-Ta30°C~+55°C	Use with SPI Pixel light

**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 with both ends feed. With 30Nm if total cross section <0,75 or 60Nm force, pull wire 25 times during 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
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,-40°C-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任何隔离电源驱动led条等降压电源。
- 为保证灯条的寿命和可靠性，请不要弯曲半径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，在用力使用时不能拉电源线，以免损坏LED灯具，禁止碰撞。
- 安装时注意正负极电源线，不要选电压错误的电源与产品相同，以免损坏产品。
- LED灯应储存在干燥密封的环境中，建议储存期不宜过长才使用开箱，工作温度:-20 ~ +45，储存温度:-0 ~ +60，不防水灯带室内使用，相对湿度不高于70%。
- 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)