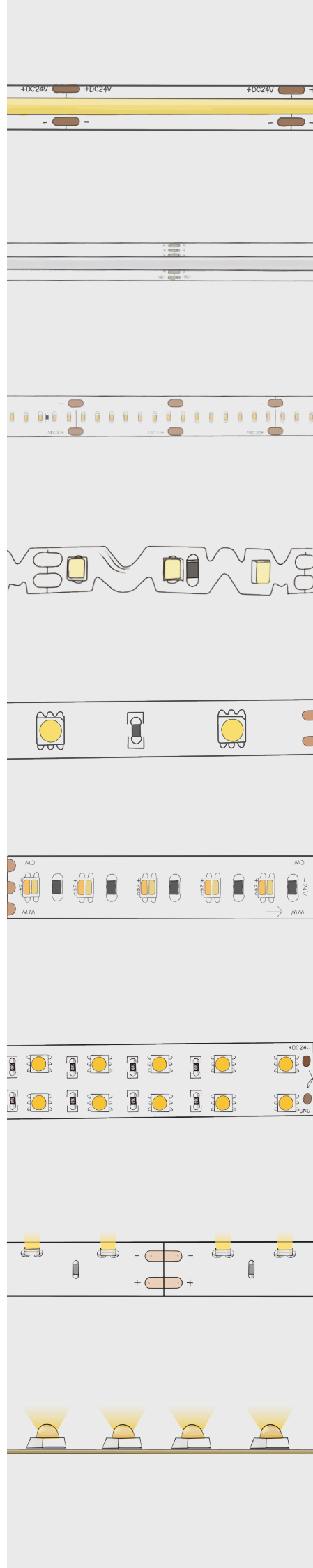




产品规格书

正发光 3D 16*16mm



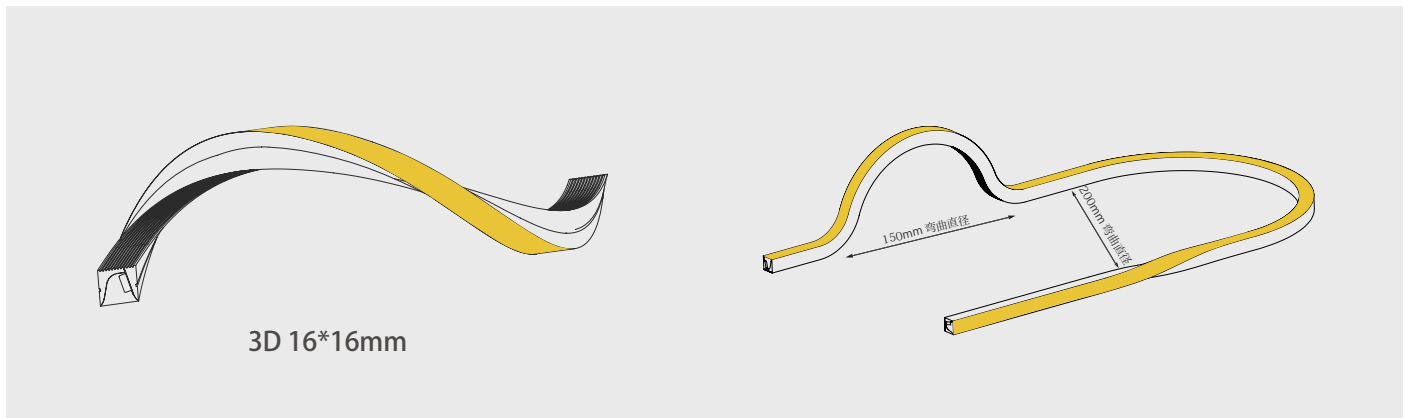
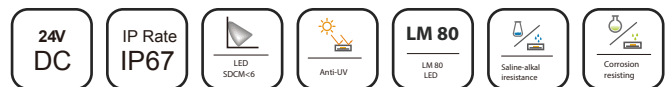
邮箱: info@mingxue.cn
电话: +86-755-27637866
销售及研发中心: 深圳市宝安区石岩街道罗租社区海谷大厦T3栋14楼
工厂: 佛山市顺德区龙江镇宝涌工业区宝涌工业大道西区二路8号万洋共创园9-10栋

www.mingxueled.com



3D 16*16mm

- 它可以垂直和水平弯曲，支持多种形状安装;
- 光源:发光效率高，LM80认证;
- 高透光率，环保硅胶材料，一体化挤出成型技术，IP67; 独特的光学配光结构设计，光照面均匀，无阴影;
- 耐盐、酸、碱、腐蚀性气体和紫外线; 单色/RGB/ RGB SPI版本选择



产品参数

型号	裁剪长度	电压	功率/米	色温/K	显指	流明/米	流明/英尺	流明/瓦	防水等级	最大连接长度
MN328V120Q90-D027M6A10106N-1616ZE	50mm	24V	12W	2700K ⁺²⁰⁰ / ₋₁₀₀	>90	584	183	49	IP67	5m
MN328V120Q90-D030M6A10106N-1616ZE	50mm	24V	12W	3000K ⁺³⁰⁰ / ₋₂₀₀	>90	617	193	51	IP67	5m
MN328W120Q90-D040M6A10106N-1616ZE	50mm	24V	12W	4000K ⁺³⁰⁰ / ₋₂₀₀	>90	643	201	53	IP67	5m
MN328W120Q90-D050M6A10106N-1616ZE	50mm	24V	12W	5000K ⁺⁴⁰⁰ / ₋₃₀₀	>90	649	203	54	IP67	5m
MN328W120Q90-D065M6A10106N-1616ZE	50mm	24V	12W	5500K ⁺⁴⁰⁰ / ₋₃₀₀	>90	661	207	55	IP67	5m
MN350A192Q00-D000N6A10106N-1616ZE	50mm	24V	12W	RGB	N/A	N/A	N/A	N/A	IP67	5m

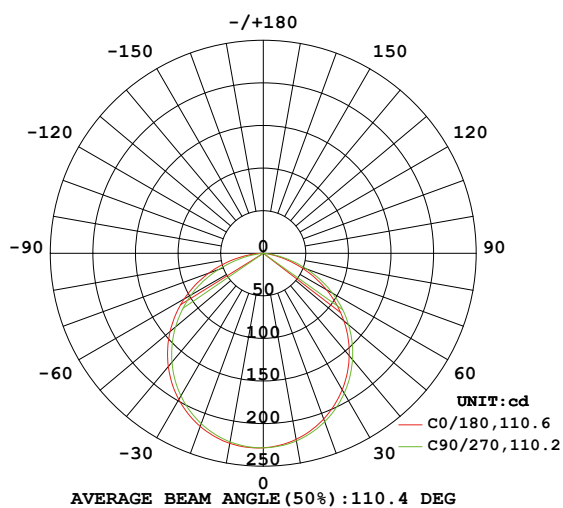
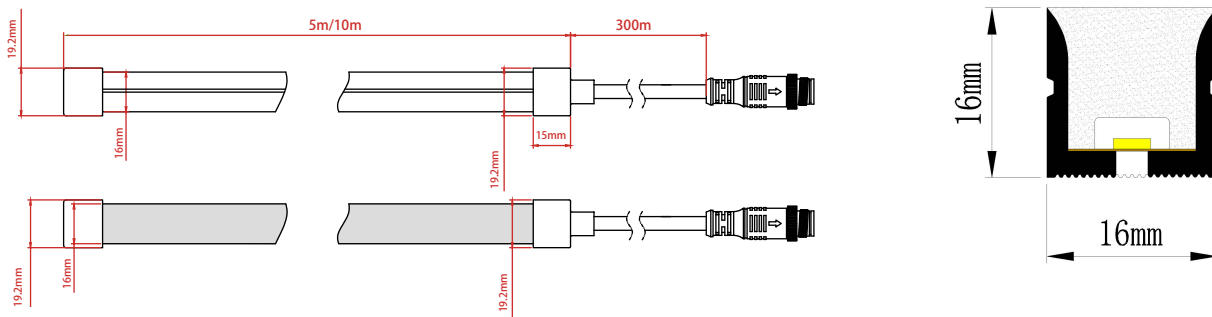
光学参数

灯珠类型:	SMD2835
显指:	>90
色温范围:	2700K~5500K/RGB
发光角度:	120°
光效:	49~55Lm/w
流明输出/米:	584~661Lm/m (183~207Lm/ft)
能效等级:	N/A

电气参数

输入电流/米:	0.5(max)A/m
输入电压:	DC24V
功率/米:	12W/m
抗静电:	1000V (ESD)
灯数/米:	120LEDs/m
裁剪长度:	50mm
灯数/组	6 LEDs

尺寸图



Flux out: 468.4 lm

Height	Eavg, Emax	Angle: 110.00deg	Diameter
1m	67.83, 229.21x		285.65cm
2m	16.96, 57.301x		571.30cm
3m	7.537, 25.471x		856.94cm
4m	4.239, 14.321x		1142.59cm
5m	2.713, 9.1671x		1428.24cm
6m	1.884, 6.3661x		1713.89cm
7m	1.384, 4.6771x		1999.53cm
8m	1.060, 3.5811x		2285.18cm
9m	0.8374, 2.8291x		2570.83cm
10m	0.6783, 2.2921x		2856.48cm

1米测试数据

※最大长度数据是基于10%的电压降

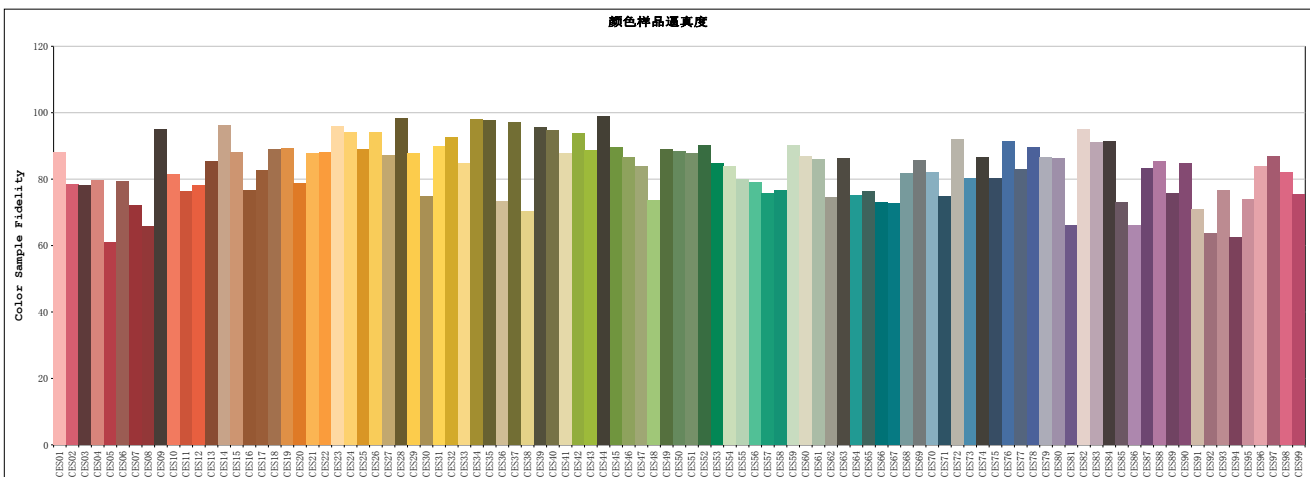
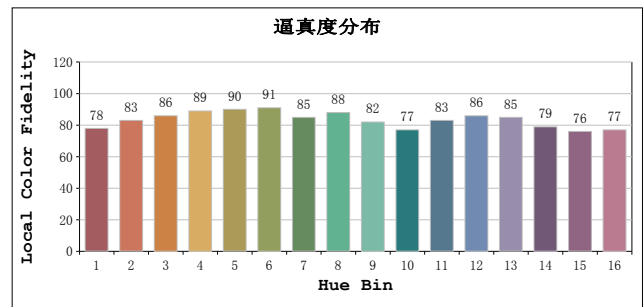
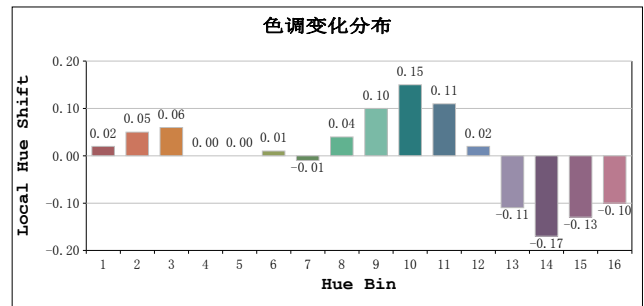
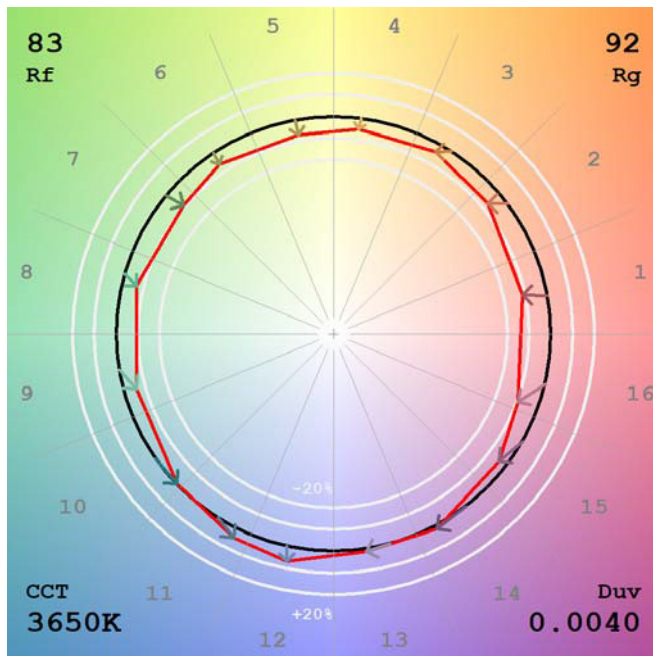
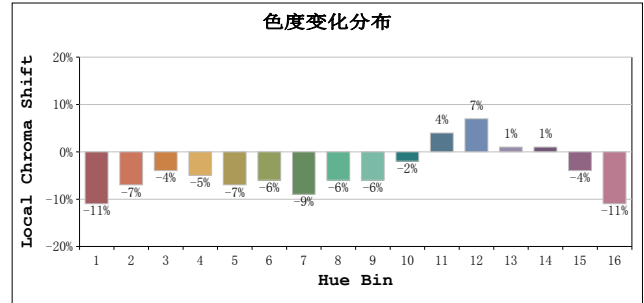
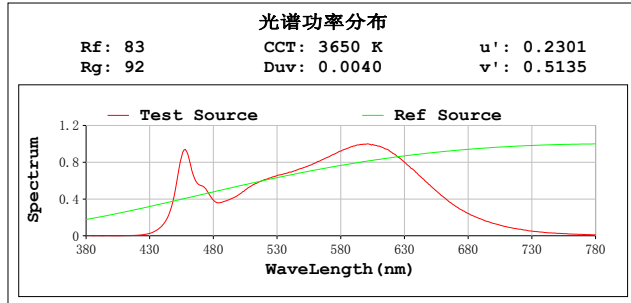
※保修以室内使用为准

线标

○ 单色	Red: V+ Black: GND	Red Black
○ 双色温	Red: V+ White: C Yellow: W	Yellow Red White
○ RGB	Black: V+ Red: R Green: G Blue: B	Black Green Red Blue
○ RGBW	Black: V+ Red: R Green: G Blue: B White: W	Black Green Red Blue White
○ SPI	Red: V+ Yellow: DAT White: GND	Yellow Red White
○ DMX	Black: GND White: P+/PO Blue: A Green: B Red: V+	Black Green Red Blue White
○ RGBCT	Black: V+ Red: R Green: G Blue: B White: C Yellow: W	Black Green Red Blue White

AAI Figure
注:曲线表示照明面积和平均值
灯具处于不同距离时的照度。

TM30 测试报告



|| 安装配件



卡扣
MX-01-002238
30*18.9*17.6mm(L x W x H)



铝型材
MX-01-002361
1000x18.9x17.6mm(L x W x H)



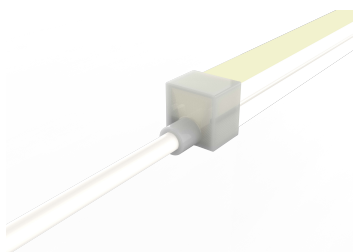
注意:灯带背面有一个透明的窗口,可以看到裁剪标记。



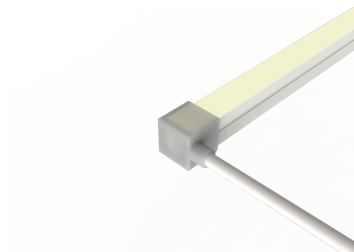
龙骨 MX-01-002293
1000x17.6x16.4mm(L x W x H)

|| 出线方式和堵头样式

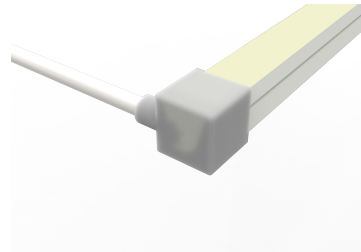
注意：只是展示出线方式和堵头样式



直出硅胶堵头



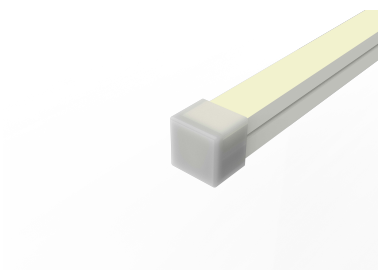
右侧出硅胶堵头



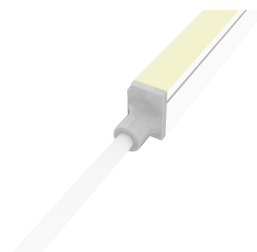
左侧出硅胶堵头



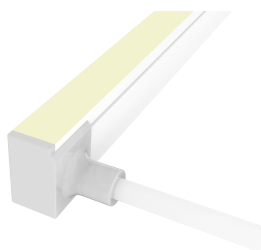
底出硅胶堵头



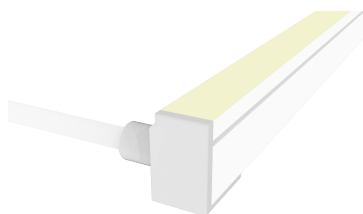
硅胶尾堵



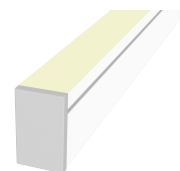
直出模压头



右侧出模压头



左侧出模压头

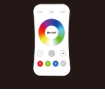
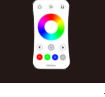


模压尾堵



底出模压头

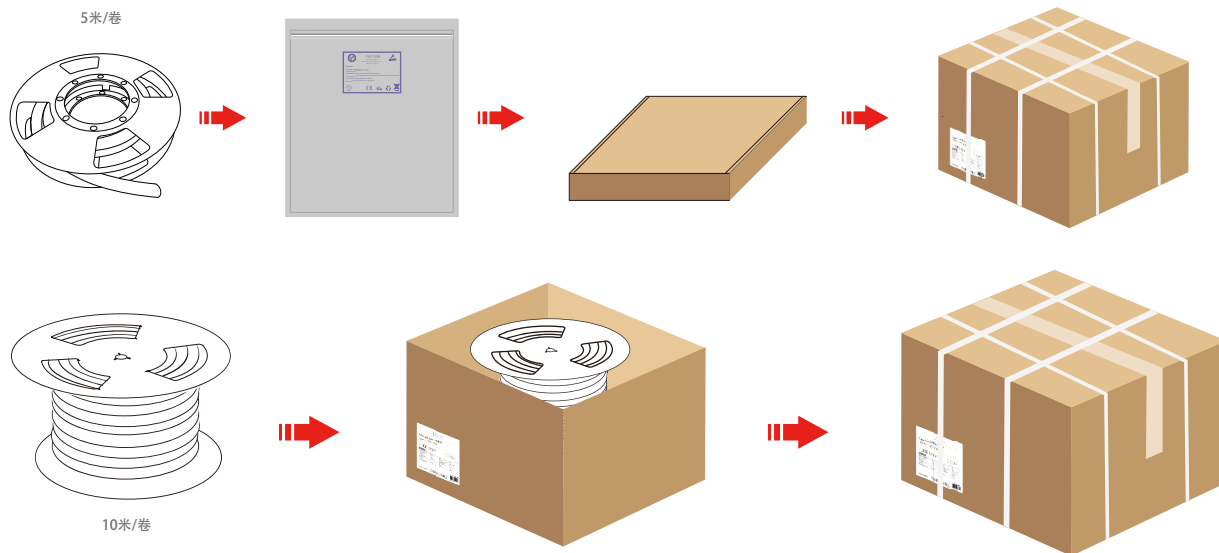
控制器

图片	类型	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:0-30°C~0+55°C	匹配单色灯条
	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:0-30°C~0+55°C	匹配单色灯条
	双色温遥控器	MX-03-030466	Output signal:RF(2.4GHz) Working voltage:3VDC(CR2032) Remote control distance:30m Working temperature:Ta:0-30°C~0+55°C	匹配双色温灯条
	双色温控制器	MX-03-030437	Input voltage :12-24VDC Output current :2CH,5A/CH Output Power :2x(120-240)W Working temperature:Ta:0-30°C~0+55°C	匹配双色温灯条
	RGB 遥控器	MX-03-030469	Output signal :RF(2.4GHz) Working voltage :3VDC(CR2032) Remote control distance:30m Working temperature:Ta:0-30°C~0+55°C	匹配RGB灯条
	RGB 控制器	MX-03-030467	Input voltage :12-24VDC Output current :3CH,4A/CH Output Power :144-288W Working temperature:Ta:0-30°C~0+55°C	匹配RGB灯条
	RGBW 遥控器	MX-03-030454	output signal:RF(2.4GHz) Working voltage:3VDC(CR2032) Remote control distance:30m Working temperature:Ta:0-30°C~0+55°C	匹配RGBW灯条
	RGBW控制器	MX-03-030458	Input voltage:5-24VDC Output current:8A Working temperature:Ta:0-30°C~0+55°C	匹配RGBW灯条
	单色控制器	MX-03-030458	Input voltage:5-24VDC Output current:8A Working temperature:Ta:0-30°C~0+55°C	匹配单色灯条
	RGB控制器	MX-03-030455	(1)12-24 VDC 4A*4CH,Max 6A/CH 192W/384W(12V/24V) (2)Input Signal:RF 2.4GHz (3)1000PWM frequency (4)Dimming range:0-100%	匹配RGB灯条
	DMX512控制器	DMX	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:LECH LED player	匹配DMX512灯条
	DMX转SPI解码器	DS-L	(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.	匹配SPI灯条

可靠性测试

测试类型	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 VHB5952 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,-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壬隔离电源驱动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)

