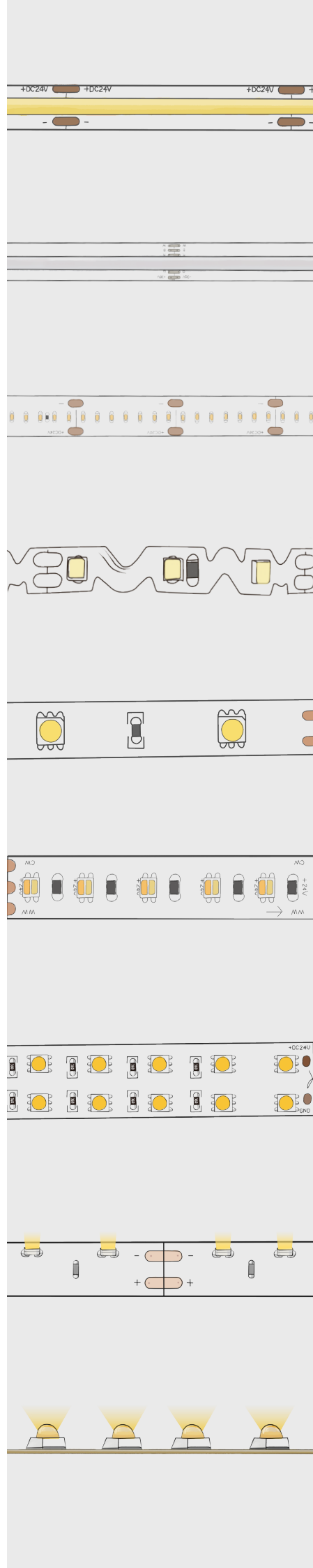


产品规格书

3D 10*10mm

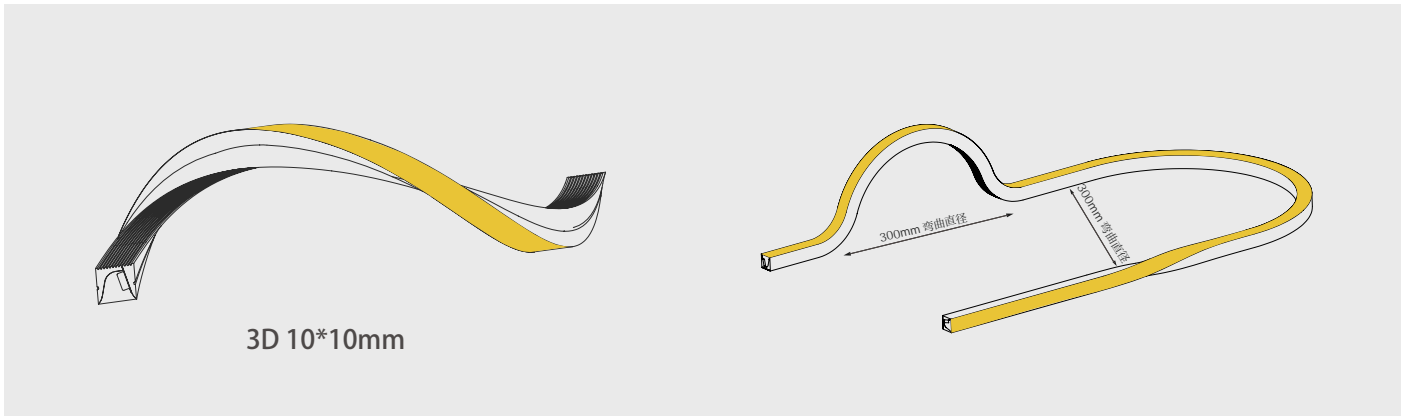


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3D 10*10mm

- 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;



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
MN399W224Q90-C027A6A04107N-1010ZE	31.25mm	24V	7.2W	2700K	>90	358	109	50	IP67	5m
MN399W224Q90-C030A6A04107N-1010ZE	31.25mm	24V	7.2W	3000K	>90	378	115	53	IP67	5m
MN399W224Q90-C040A6A04107N-1010ZE	31.25mm	24V	7.2W	4000K	>90	398	121	55	IP67	5m
MN399W224Q90-C050A6A04107N-1010ZE	31.25mm	24V	7.2W	5000K	>90	400	122	56	IP67	5m
MN399W224Q90-C055A6A04107N-1010ZE	31.25mm	24V	7.2W	6500K	>90	401	122	56	IP67	5m

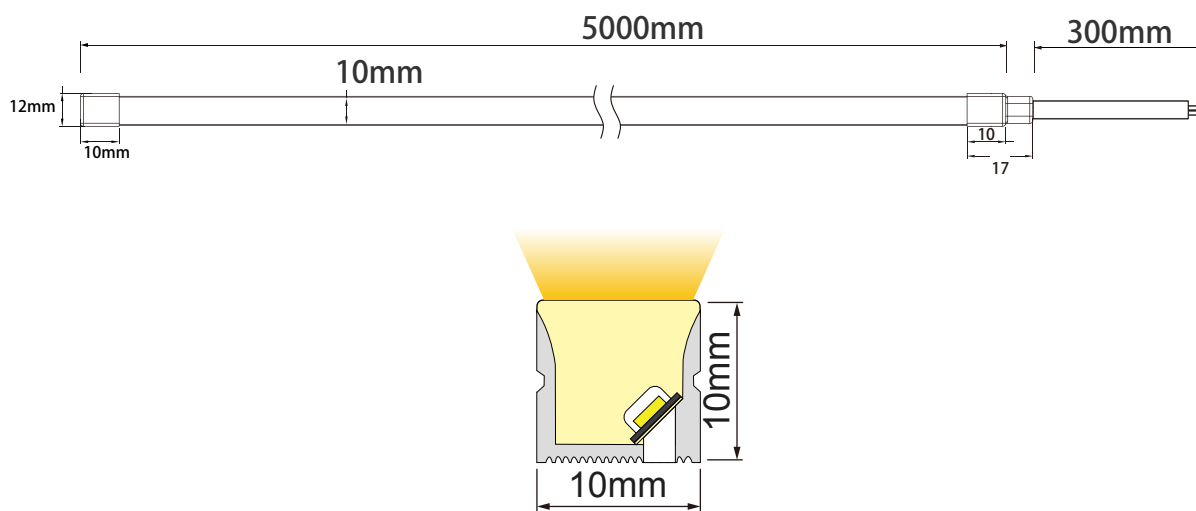
光学参数

灯珠类型:	SMD1216
显指:	>90
色温范围:	2700K~6500K
发光角度:	120°
光效:	50~56Lm/w
流明输出/米:	358~401Lm/m (109~122Lm/ft)
能效等级:	N/A

电气参数

输入电流/米:	0.3(max)A/m(0.1A/ft)
输入电压:	DC24V
功率/米:	7.2W/m(2.2/ft)
抗静电:	1000V (ESD)
灯数/米:	224LEDs/m
裁剪长度:	31.25mm
灯数/组	7 LEDs

尺寸图



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 Red Green Blue
○ RGBW	Black: V+ Red: R Green: G Blue: B White: W	Black Red Green Blue White
○ SPI	Red: V+ Yellow: DAT White: GND	Yellow Red White
○ DMX	Black: GND White: PI/PO Blue: A Green: B Red: V+	Black Red Green Blue White
○ RGB CCT	Black: V+ Red: R Green: G Blue: B White: C Yellow: W	

|| 安装配件



卡扣
MX-01-002263
30x10.8x11.4mm(L x W x H)



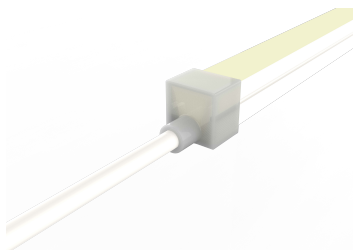
铝型材
MX-01-002552
1000x10.8x11.4mm(L x W x H)



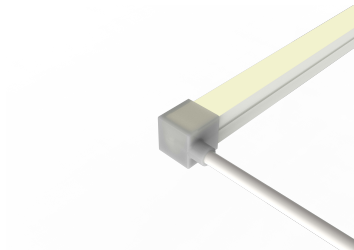
龙骨
MX-01-002540
1000x11.2x10.2mm(L x W x H)

|| 出线方式和堵头样式

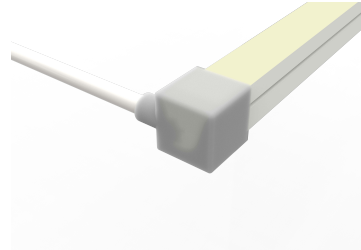
注意：只是展示出线方式和堵头样式



直出硅胶堵头



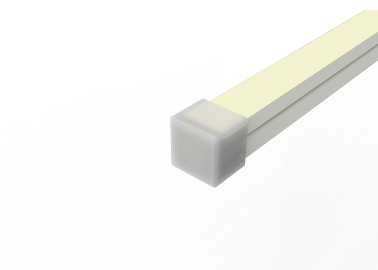
右侧出硅胶堵头



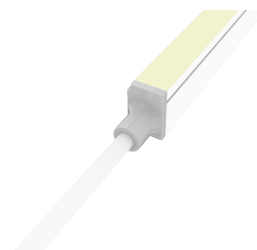
左侧出硅胶堵头



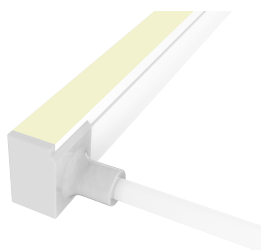
底出硅胶堵头



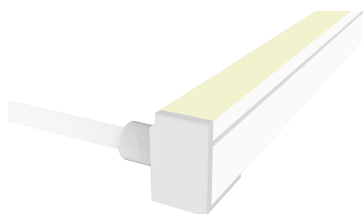
硅胶尾堵



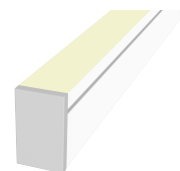
直出模压头



右侧出模压头



左侧出模压头

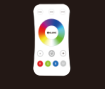
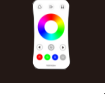


模压尾堵



底出模压头

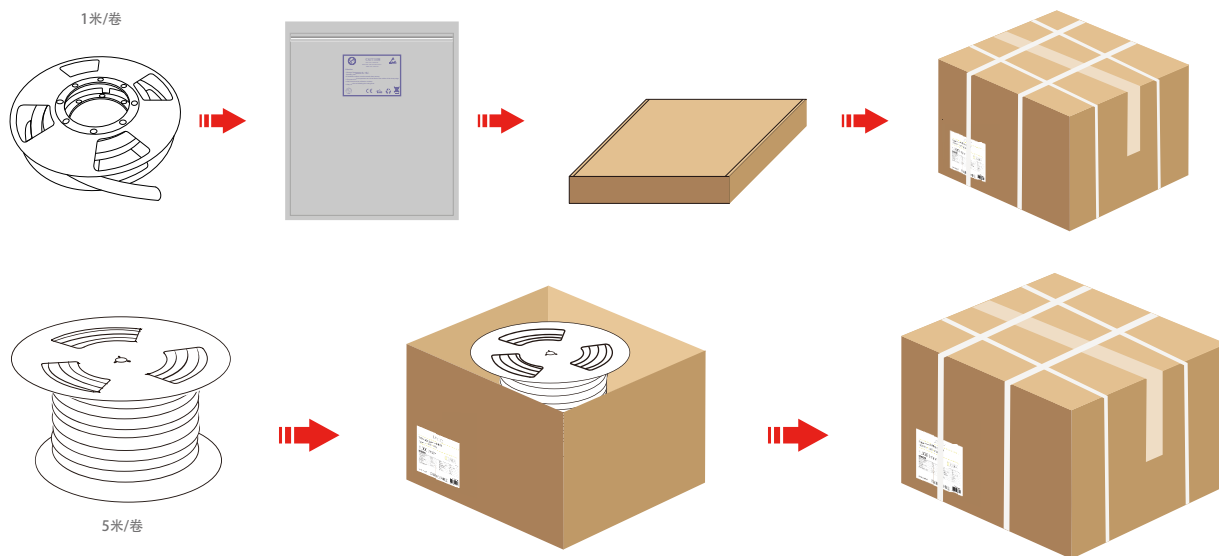
控制器

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 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,-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)

