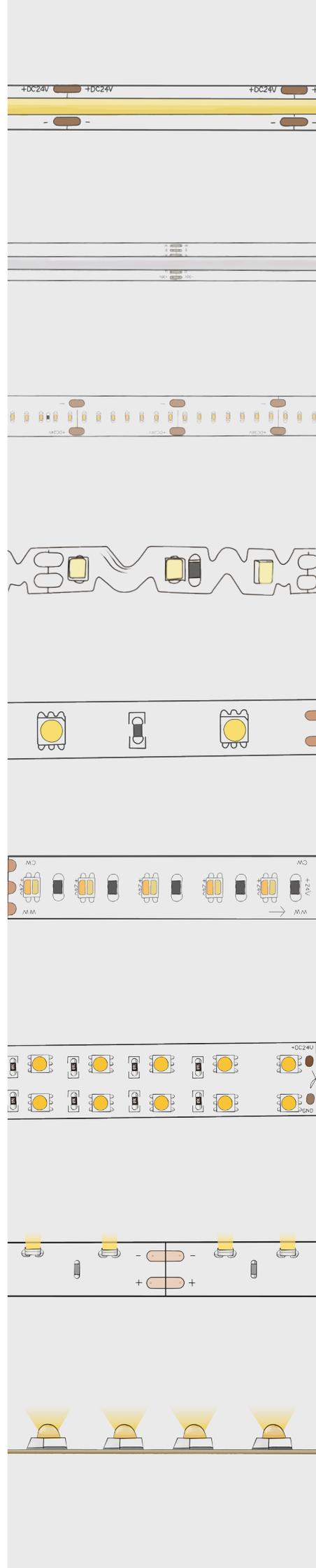




规格书

柔性大洗墙灯二代



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

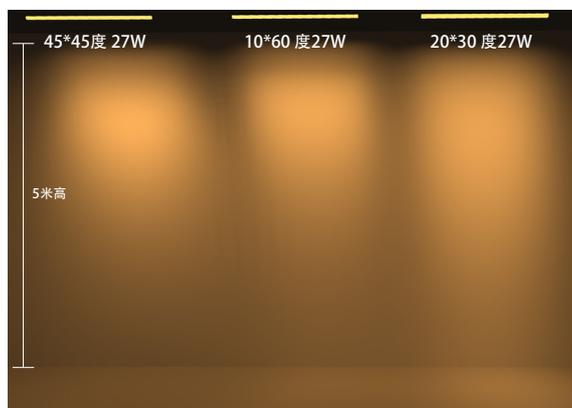
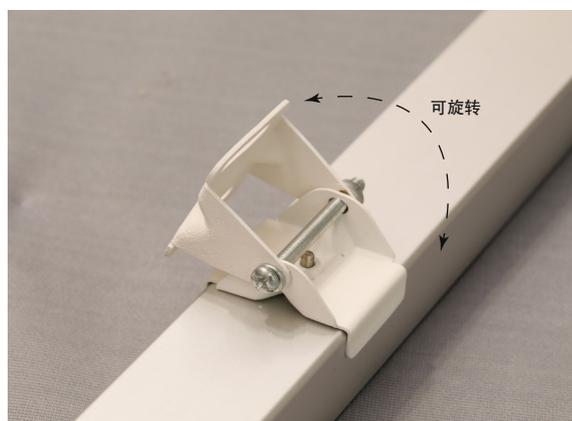
www.mingxueled.com

柔性大洗墙灯二代

- 即可正弯也可侧弯；
- 多种透镜角度选择，如10*60度，20*30度，45度等等；
高光效3030和3535灯珠，可做白光/DMX RGBW版本；
- 采用恒流IC设计，防水IP67，并达到IK07
- 配件齐全，卡扣，型材，可旋转支架
- 弯曲和扭转更轻柔，体积更小，体积大，重量轻
- 韧弯曲，抗冲击能力强，抗撕裂能力强，耐候性强
- 5年质保，5万小时寿命。



NEW



智能控制，
随你的想法改变颜色



产品参数

系列	型号	电压	色温	功率	显指	Lm/m	Lm/ft	Lm/W	CD	透镜角度	灯珠数	产品长度
DMX RGBW	MF355Z024Q80-D040W6A16106D-2727ZB02	24V	 RGBW	27W	N/A	945	288	35	1350	10*60	3535 24/M	以250mm为单位定制长度
	MF355Z024Q80-D040W6A16106D-2727ZB01	24V	 RGBW	27W	N/A	1188	362	44	2600	20*30	3535 24/M	以250mm为单位定制长度
	MF355Z024Q80-D040W6A16106D-2727ZB03	24V	 RGBW	27W	N/A	1000	305	37	1100	45*45	3535 24/M	以250mm为单位定制长度
单色	MF330W024Q80-D040G6A16106N-2727ZB02	24V		27W	80	1620	494	60	2270	10*60	3030 24/M	以250mm为单位定制长度
	MF330W024Q80-D040G6A16106N-2727ZB03	24V		27W	80	2214	675	82	4240	20*30	3030 24/M	以250mm为单位定制长度
	MF330W024Q80-D040G6A16106N-2727ZB04	24V		27W	80	1809	552	67	1470	45*45	3030 24/M	以250mm为单位定制长度

注意:单端供电最大连接长度为5米,
 以上规格参数是基于4000K, 灰色灯体的测试数据。

灯珠类型:	单色: 3030/灯珠 DMX RGBW:3535灯珠	输入电流/米:	0.9~1.15A/m(0.27~0.35A/ft)
显指:	Ra>80	抗静电:	1000V (ESD)
透镜角度:	10*60° /20*30° /45°	质保:	5years
工作环境温度:	-20~45°C[-4~113°F]	寿命:	50,000H
像素段和地址数量:	4Pixel/米		

注意:

1. 与4000K相比, CCT 2700K的光通量降低10%, CCT 3000/3500K的光通量降低5%, CCT 5000K/ 6500K的光通量相同。
2. 欧规(EU)201 /2020的能效等级为4000K为E(CRI80), CCT为F(CRI80), 它取决于CRI和CCT。
3. 不需要使用额外的散热器, 具有自吸能力。
4. DMX版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, 否则灯带会失控甚至损坏

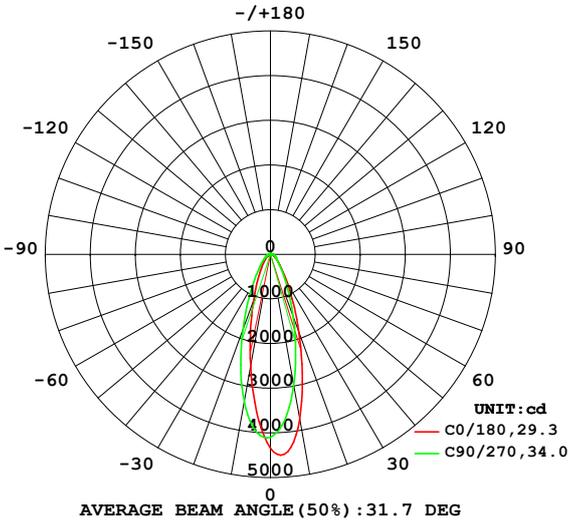
挤出材料比较

注:此为原材料对比, 电子部件请以说明书为准

对比项目	硅胶	PVC	PU
抗UV/耐黄变	★★★★★	★★★★☆	★★★★☆
耐高温 (环境)	 250°C	 80°C	 80°C
耐低温 (环境)	 -50°C	 -20°C	 -20°C
环保性	★★★★★	★★★★☆	★★★★★
吸附性	★★★★★	★★★★☆	★★★★☆
耐甲醛			
耐酸性	★★★★★	★★★★☆	★★★★★
耐碱性	★★★★★	★★★★☆	★★★★☆
散热性			
颜色一致性			
抗拉强度	★★★★★	★★★★★	★★★★☆

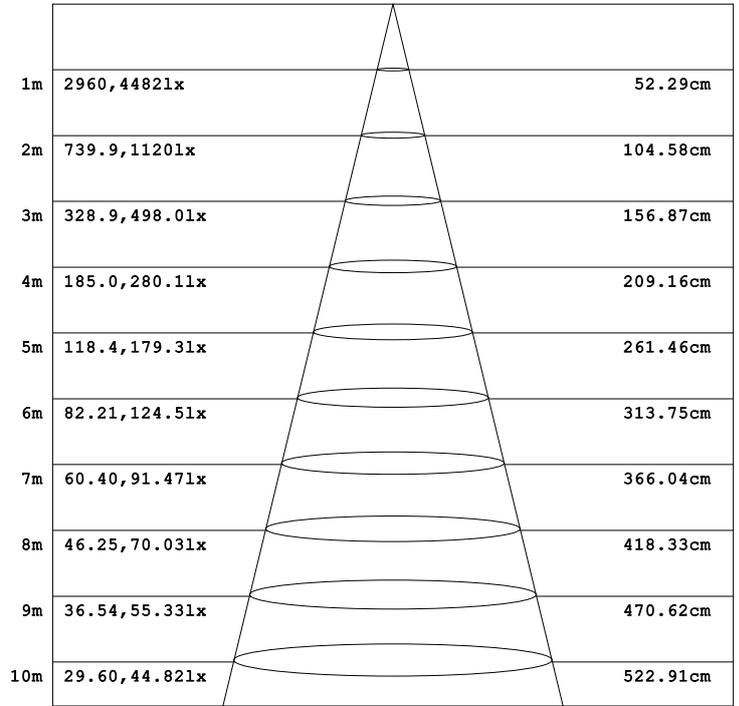
注:此为原材料对比, 电子部件请以说明书为准

IES 数据



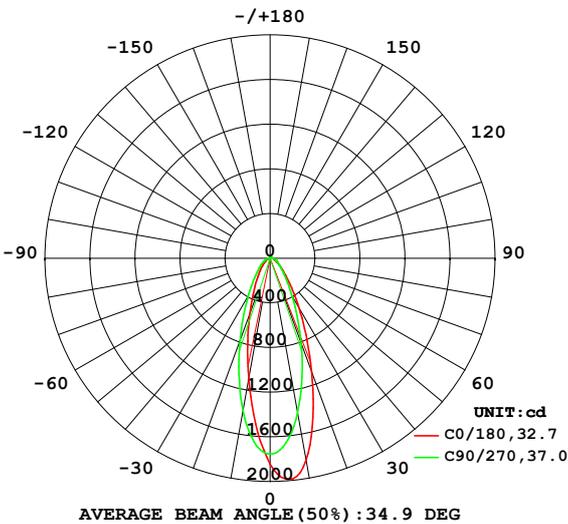
单色 20*30 度

Flux out: 667.6 lm



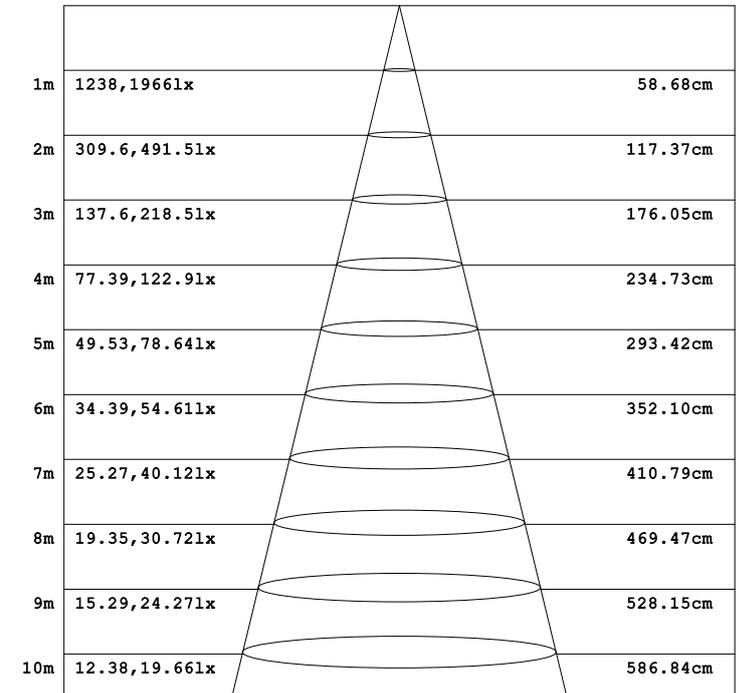
Height Eavg, Emax Angle: 29.30deg Diameter

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.



DMX RGBW 20*30 度

Flux out: 363.6 lm



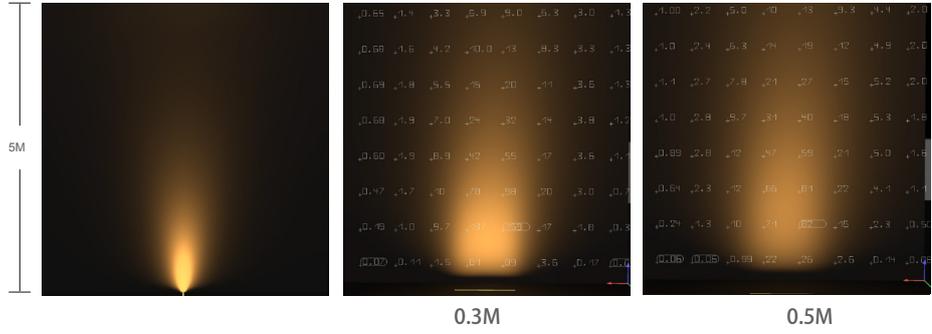
Height Eavg, Emax Angle: 32.71deg Diameter

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

|| 发光效果

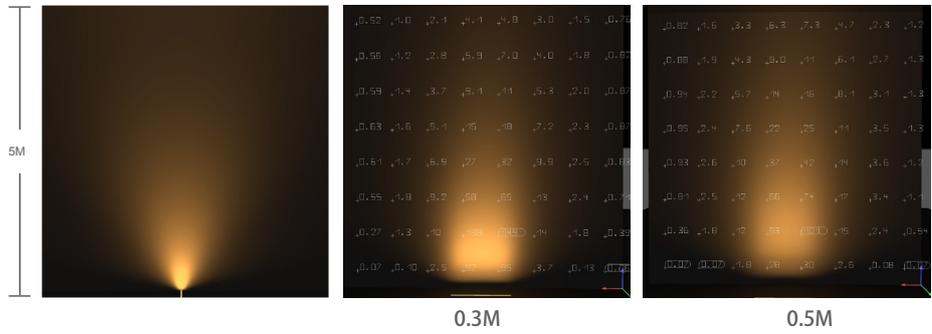
20*30°

0°30' 光束透镜
建议离墙距离: 0.5M,
光照亮度高, 光照距离远



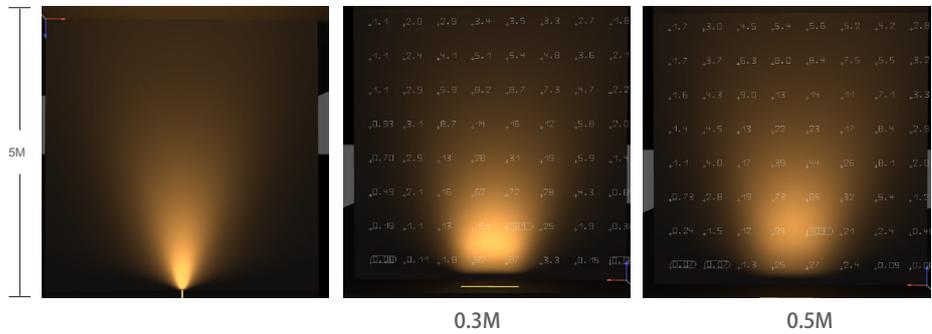
10°60°

10°60' 光束透镜
建议离墙距离: 0.5M
发光面大, 光照距离远



45°

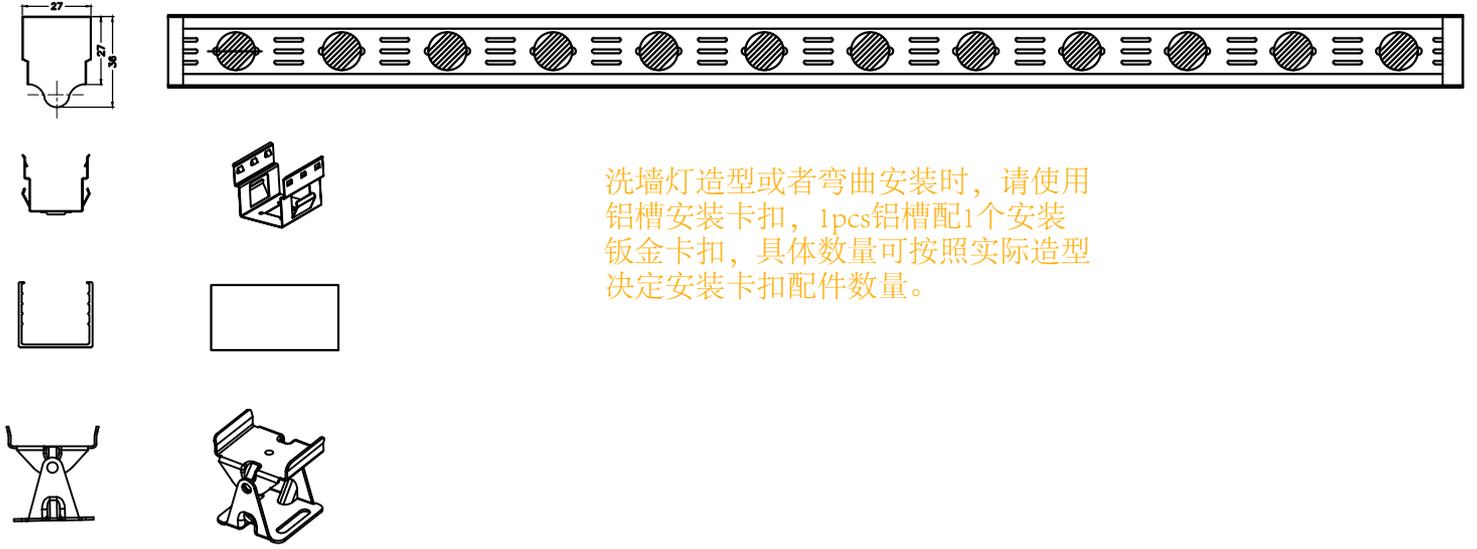
45度光束透镜
建议离墙距离: 0.5M
发光面积大



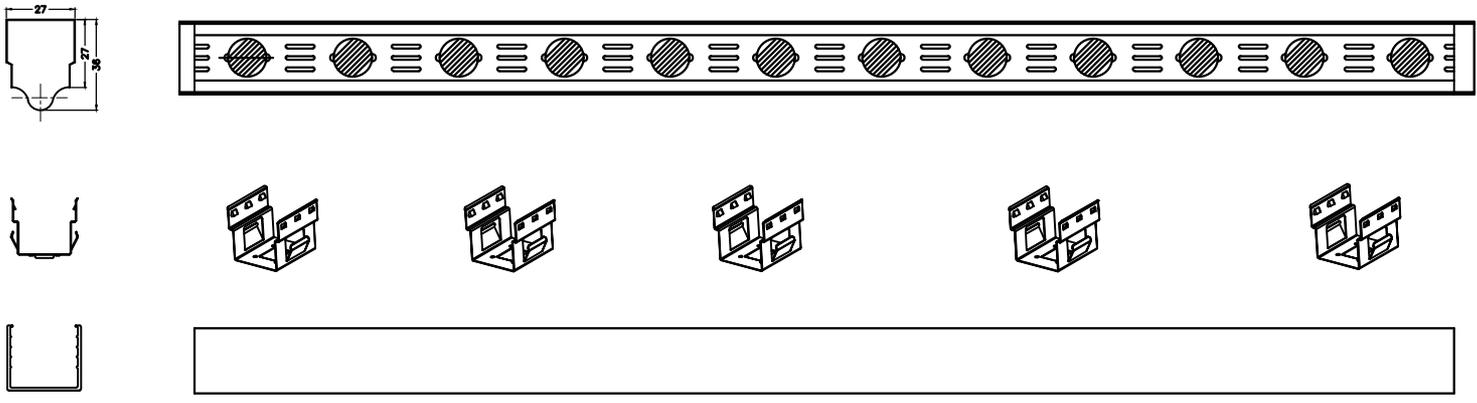
|| 线标 (具体请看产品线标)

● 单色			○ CCT		
○ SPI			○ RGB		
○ RGBW			○ RGBCCT		
● DMX					

组合模式



洗墙灯造型或者弯曲安装时，请使用铝槽安装卡扣，1pcs铝槽配1个安装钣金卡扣，具体数量可按照实际造型决定安装卡扣配件数量。



洗墙灯直线安装时，请使用铝槽安装，1米铝槽配5个安装钣金卡扣，同时也可以按照客户的意愿进行配置安装钣金卡扣，但是前提是钣金卡扣需要 ≥ 5 pcs，在客户安装需要使灯带出光带旋转的环境下，可增加旋转支架2pcs，同时也可以按照客户的意愿进行配置旋转支架的数量，但是前提是钣金卡扣需要 ≥ 2 pcs

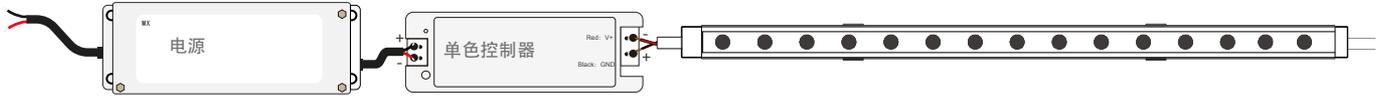
铝型材
MX-01-002862

钣金卡扣
MX-01-002864

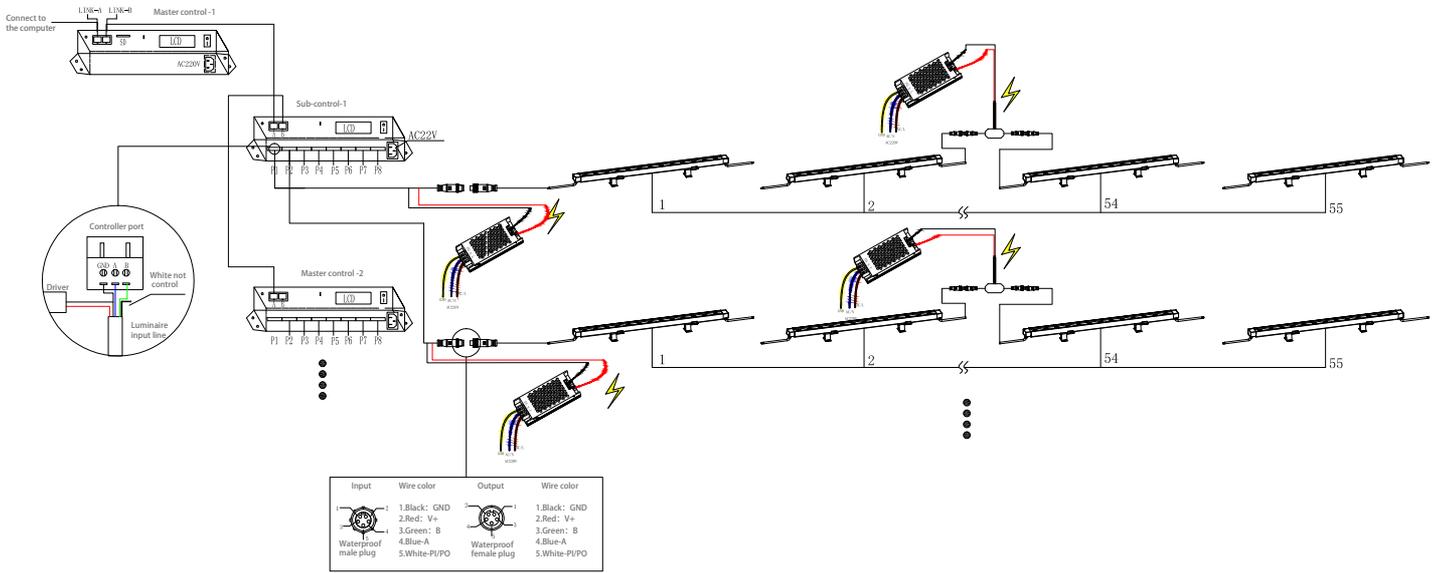
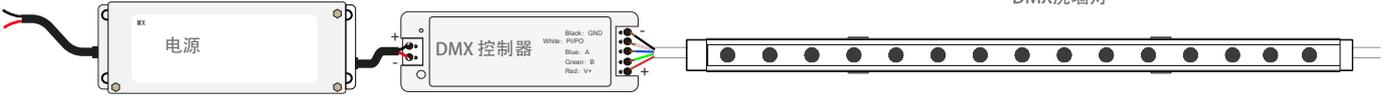
可旋转支架
MX-01-002870

|| 接线图

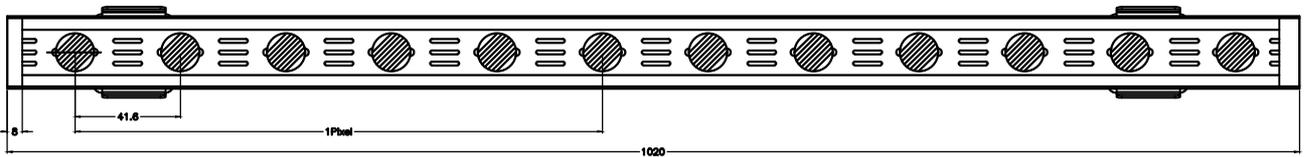
单色洗墙灯



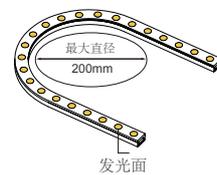
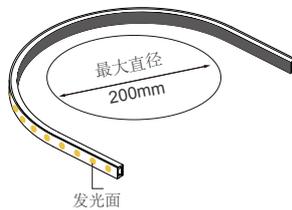
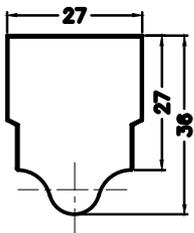
DMX洗墙灯



|| 产品展示图



单位: mm



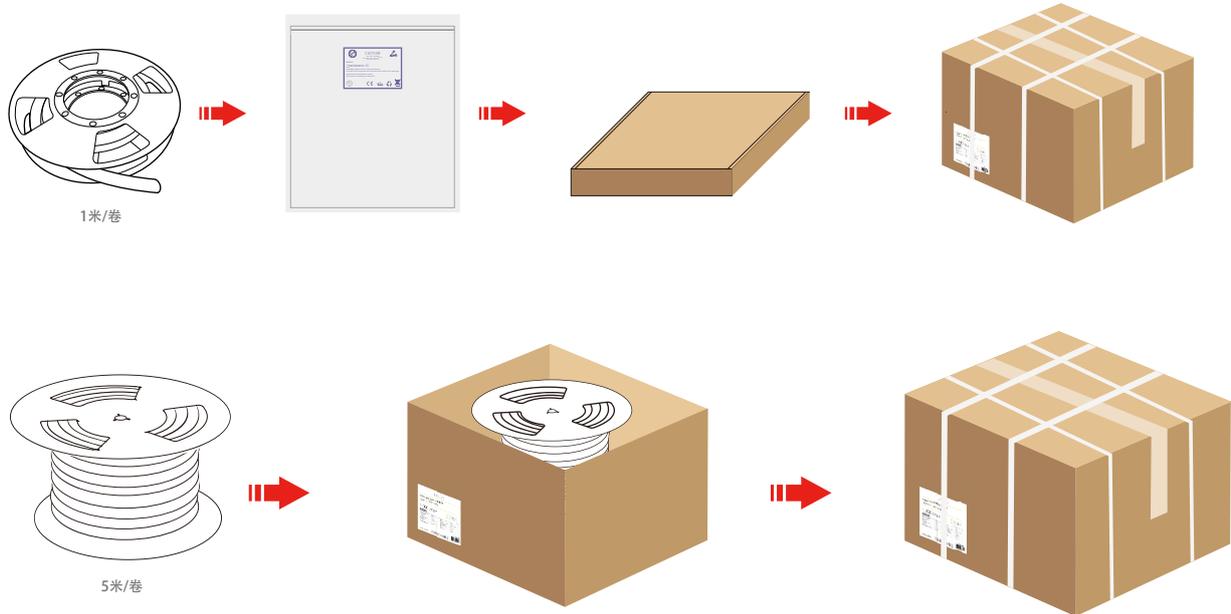
控制器

图片	类型	型号	规格	匹配
	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
	Monotone light controller	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	Use with Monochrome light strip
	CCT remote	MX-03-030466	Output signal:RF(2.4GHz) Working voltage:3VDC(CR2032) Remote control distance:30m Working temperature:Ta:-30°C~+55°C	Use with CCT light
	Color temperature controller	MX-03-030437	Input voltage :12-24VDC Output current :2CH,5A/CH Output Power :2x(120-240)W Working temperature:Ta:-30°C~+55°C	Use with CCT light
	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
	RGBW remote	MX-03-030454	output signal:RF(2.4GHz) Working voltage:3VDC(CR2032) Remote control distance:30m Working temperature:-30°C~+55°C	Use with RGBW light
	RGBW Controller	MX-03-030455	Input Voltage;12-24 VDC; Output Current;4A*4CH, Max 6A/CH; 192W/384W (12V/24V)	Use with RGBW 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	
	Bending Test Vertical	Mingxue	Manufacturer-defined,100 cycles 3 times bending with 0.5m/s pulling speed	
MECHANICS & PHYSICE TESTING	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	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



|| Safety Information

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： $-20 \sim +45$ ，储存温度： $-0 \sim +60$ ，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)