

产品规格书

IK10/IP68 灯带



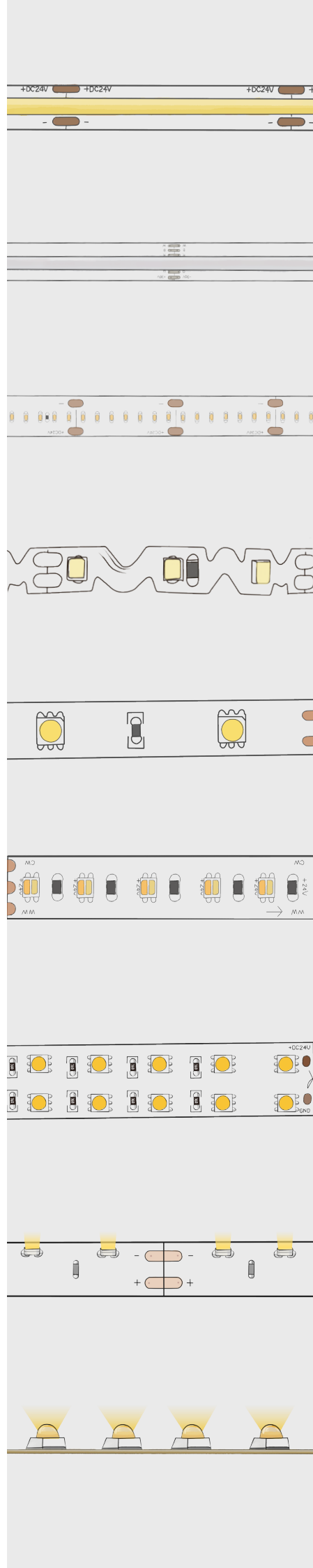
www.mingxueled.com

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

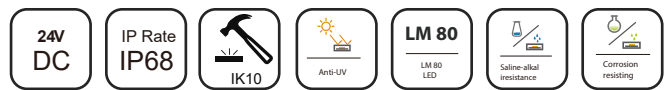
工厂: 佛山市顺德区龙江镇宝涌工业区宝涌工业大道西区二路8号万洋共创园9-10栋





IK10/IP68 灯带

- 16*16mm 正弯霓虹;
- 光源:发光效率高, LM80认证;
- 环保材料, 一体化挤出成型技术, IP68/IK10;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、水和紫外线;



产品参数

型号	产品长度	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
MN328W140E90-D027A6E10107N-1616ZA1	以50mm为单位定制	24V	10W	2700k	>90	594	181	59	IP68	5m
MN328W140E90-D030A6E10107N-1616ZA1	以50mm为单位定制	24V	10W	3000k	>90	627	191	63	IP68	5m
MN328W140E90-D040A6E10107N-1616ZA1	以50mm为单位定制	24V	10W	4000k	>90	660	201	66	IP68	5m
MN328W140E90-D050A6E10107N-1616ZA1	以50mm为单位定制	24V	10W	5000k	>90	660	201	66	IP68	5m
MN328W140E90-D065A6E10107N-1616ZA1	以50mm为单位定制	24V	10W	6500k	>90	660	201	66	IP68	5m

注意: 1、考虑到灯带防水性能, 不建议客户自行裁剪, 统一由本司按50MM的倍数长度做好防水处理后发货

2、因为是共混改性聚合物产品的原因, 灯带首尾长度会有±15MM的误差

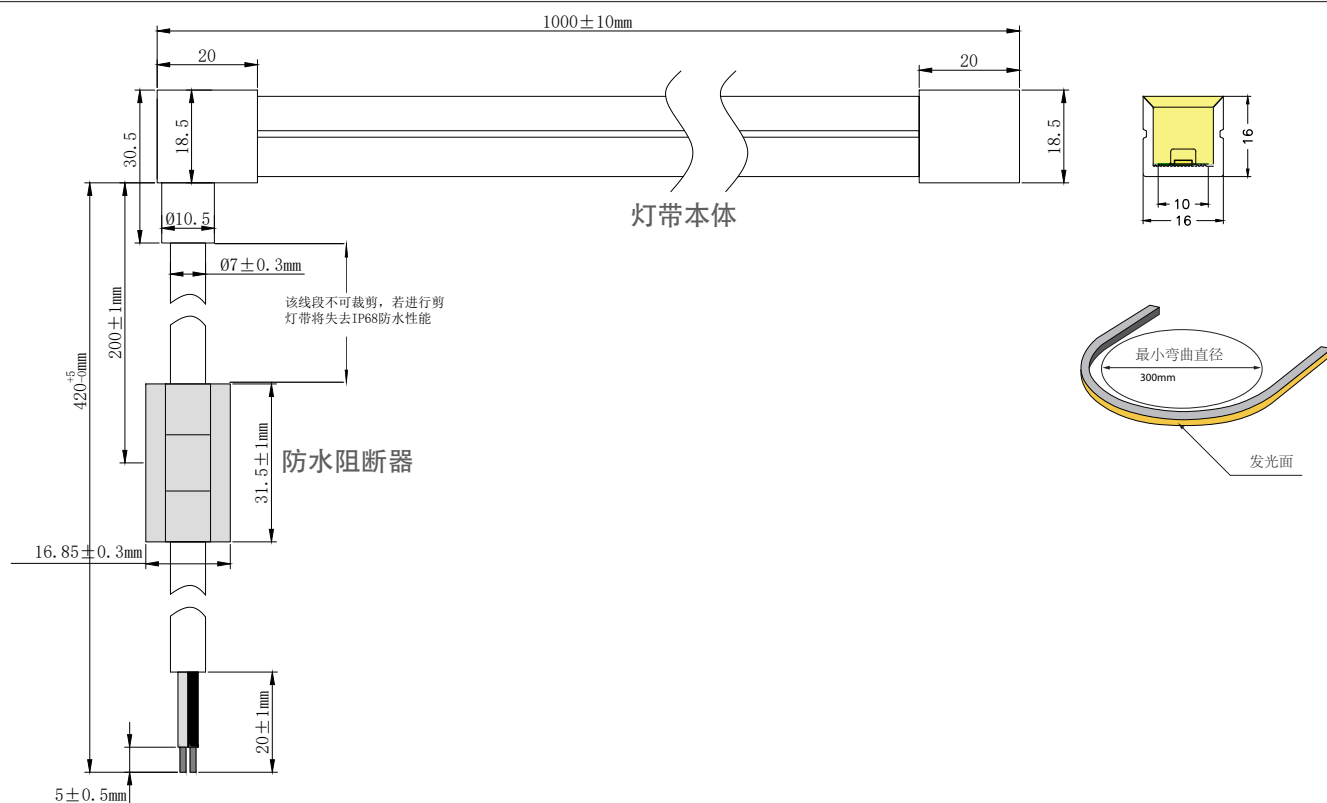
光学参数

灯珠类型:	SMD2835
显指:	>90
色温范围:	2700K~6500K
发光角度:	120°
光效:	59~66Lm/w
流明输出/米:	594~660Lm/m (181~201Lm/ft)
IK/IP等级:	IK10/IP68

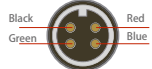
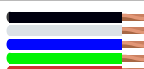
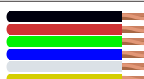
电气参数

输入电流/米:	0.42(max)A/m(0.13A/ft)
输入电压:	DC24V
功率/米:	10W/m(3W/ft)
抗静电:	1000V (ESD)
灯数/米:	140LEDs/m
产品长度:	以50MM为单位定制长度
灯数/组	7 LEDs

尺寸图

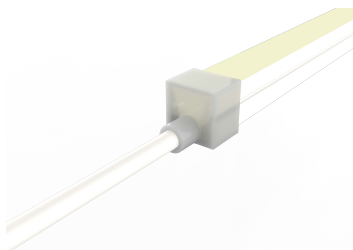


线标

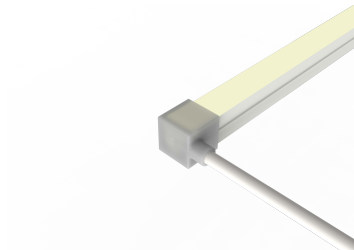
○ 单色	 Red: V+ Black: GND	 Red Black
○ 双色温	 Red: V+ White: C Yellow: W	 Yellow Red White
○ RGB	 Black: V+ Red: R Green: G Blue: B	 Black Red Green Blue
○ RGBW	 Black: V+ Red: R Green: G Blue: B White: W	 Black Red Green Blue White
○ SPI	 Red: V+ Yellow: DAT White: GND	 Yellow Red White
○ DMX	 Black: GND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

|| 出线方式和堵头样式

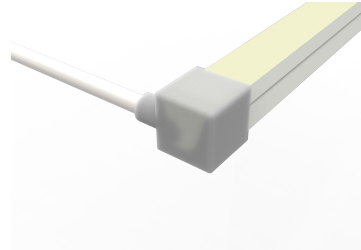
注意：只是展示出线方式和堵头样式



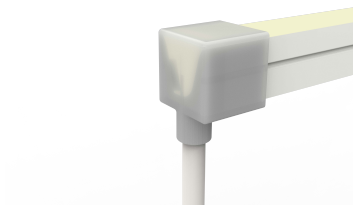
直出复合材料堵头



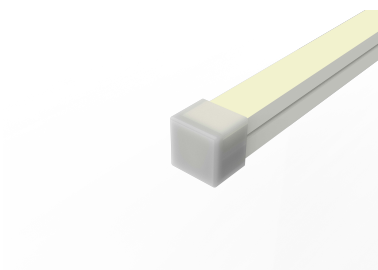
右侧出复合材料堵头



左侧出复合材料堵头

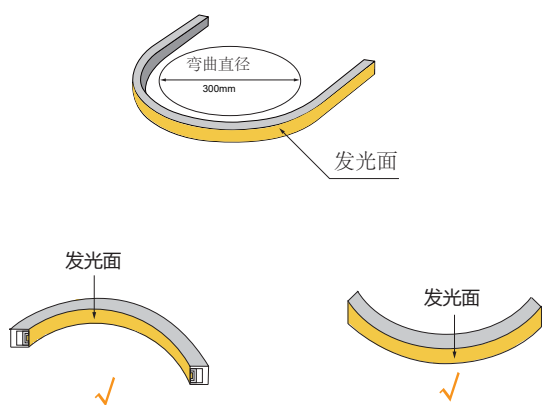


底出复合材料堵头

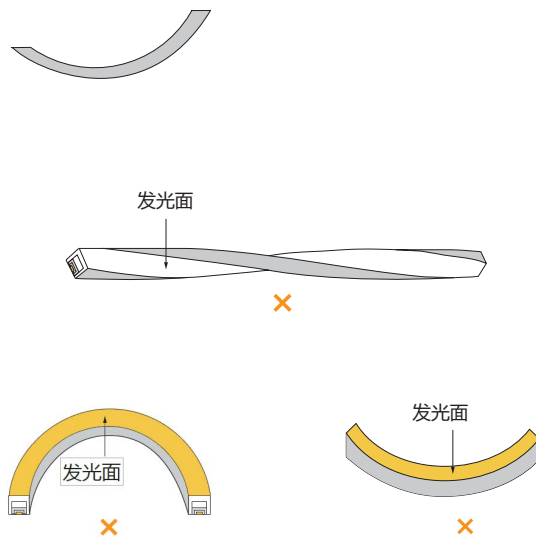


复合材料尾堵

弯曲示意图



正确的弯曲示意



错误的弯曲示意



卡扣
30*18.9*17.6mm(L x W x H)

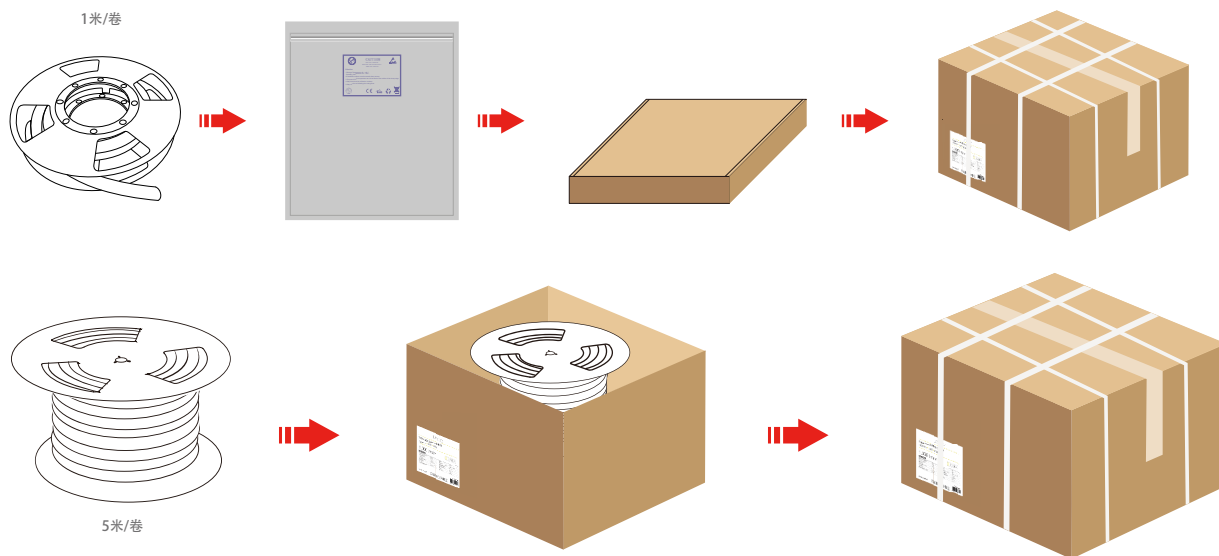


铝型材
1000x18.9x17.6mm(L x W x H)

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，请不要弯曲时角度在弯曲直径的300mm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，在用力安装时不能拉扯电源线，以免损坏LED。
 - 安装时注意正负极电源线，不要选电压错误的电源与产品对接，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，工作温度:-20~+45，储存温度:-0~+60，不防水灯带应在室内使用，室内相对湿度不得高于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)，以保证足够的电压来驱动产品
- 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)

