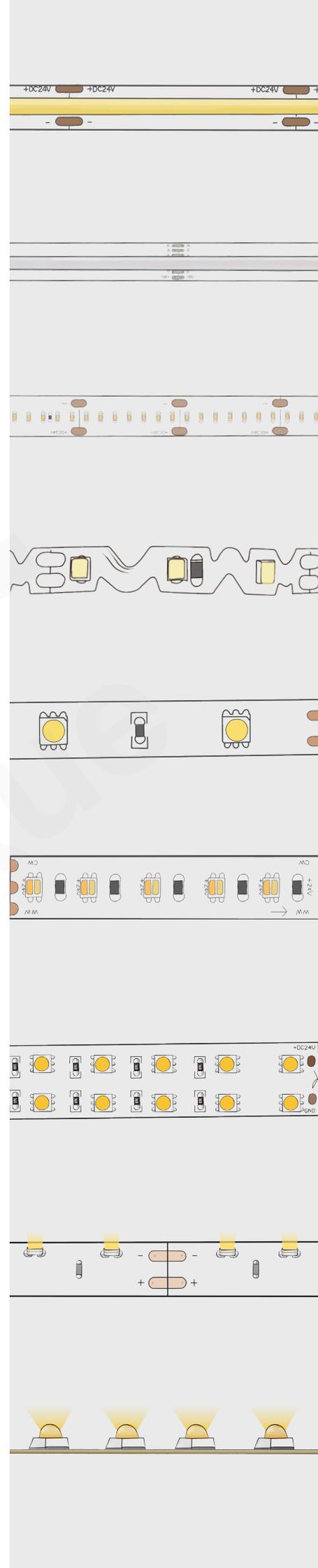


规格书

12MM Nano 霓虹



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



12MM SMD2835/Nano 霓虹

- 1-IP65 防水等级，适合更多应用场景。
- 2-超薄设计，美观大方，无光点视觉效果更佳。
- 3-130Lm/W 超高光效，节能省电
- 4-采用一体挤出工艺，环保级硅胶材料，选用高强度支架，高光效 LED 灯珠，通过 LM80 测试认证可靠性强，耐折耐弯曲。
- 5-亲肤表面处理，触感舒适、柔韧性好，造型简洁
- 6-透光率高，抗腐蚀、抗UV。
- 7-5 年质保，寿命 > 50000 小时。



产品参数

型号	电压	色温/K	功率/米	显指	流明/米	流明/英尺	流明/瓦	裁剪位	最长连接长度
MF228W240Q90-D027A6A10104N-1205ZA	12V	● 2700k	10	80 90	1210 1150	369 351	121 115	16.66mm	3m
MF228W240Q90-D030A6A10104N-1205ZA	12V	● 3000k	10	80 90	1283 1200	391 366	128 120	16.66mm	3m
MF228W240Q90-D040A6A10104N-1205ZA	12V	● 4000k	10	80 90	1350 1300	412 396	135 130	16.66mm	3m
MF228W240Q90-D050A6A10104N-1205ZA	12V	● 5000k	10	80 90	1350 1300	412 396	135 130	16.66mm	3m
MF228W240Q90-D060A6A10104N-1205ZA	12V	● 6500k	10	80 90	1350 1300	412 396	135 130	16.66mm	3m
MN328V240Q90-D027A6A10108N-1205ZA	24V	● 2700k	12	80 90	1524 1404	465 428	127 115	33.33mm	5m
MN328V240Q90-D030A6A10108N-1205ZA	24V	● 3000k	12	80 90	1560 1440	476 439	130 120	33.33mm	5m
MN328V240Q90-D040A6A10108N-1205ZA	24V	● 4000k	12	80 90	1620 1560	494 476	135 130	33.33mm	5m
MN328V240Q90-D050A6A10108N-1205ZA	24V	● 5000k	12	80 90	1620 1560	494 476	135 130	33.33mm	5m
MN328V240Q90-D060A6A10108N-1205ZA	24V	● 6500k	12	80 90	1620 1560	494 476	135 130	33.33mm	5m

产品参数

型号	电压	色温/K	功率/米	显指	流明/米	流明/英尺	流明/瓦	裁剪位	最长连接长度
MN228U224Q80-D801I6A10303N-1205ZE	24V	● 2700k	10	80	1100	335	110	31.25mm	5m
MN228U224Q80-D801I6A10303N-1205ZE	24V	● 6500k	10	80	1030	314	103	31.25mm	5m
MN228U224Q80-D801I6A10303N-1205ZE	24V	● 2700+6500K	10	80	2100	640	105	31.25mm	5m
MN304A672Q00-D000J6A10107N-1205ZA	24V	R	3.6	N/A	61	19	17	31.25mm	5m
MN304A672Q00-D000J6A10107N-1205ZA	24V	G	3.6	N/A	262	80	73	31.25mm	5m
MN304A672Q00-D000J6A10107N-1205ZA	24V	B	3.6	N/A	40	12	11	31.25mm	5m
MN304A672Q00-D000J6A10107N-1205ZA	24V	● RGB	11	N/A	352	107	32	31.25mm	5m

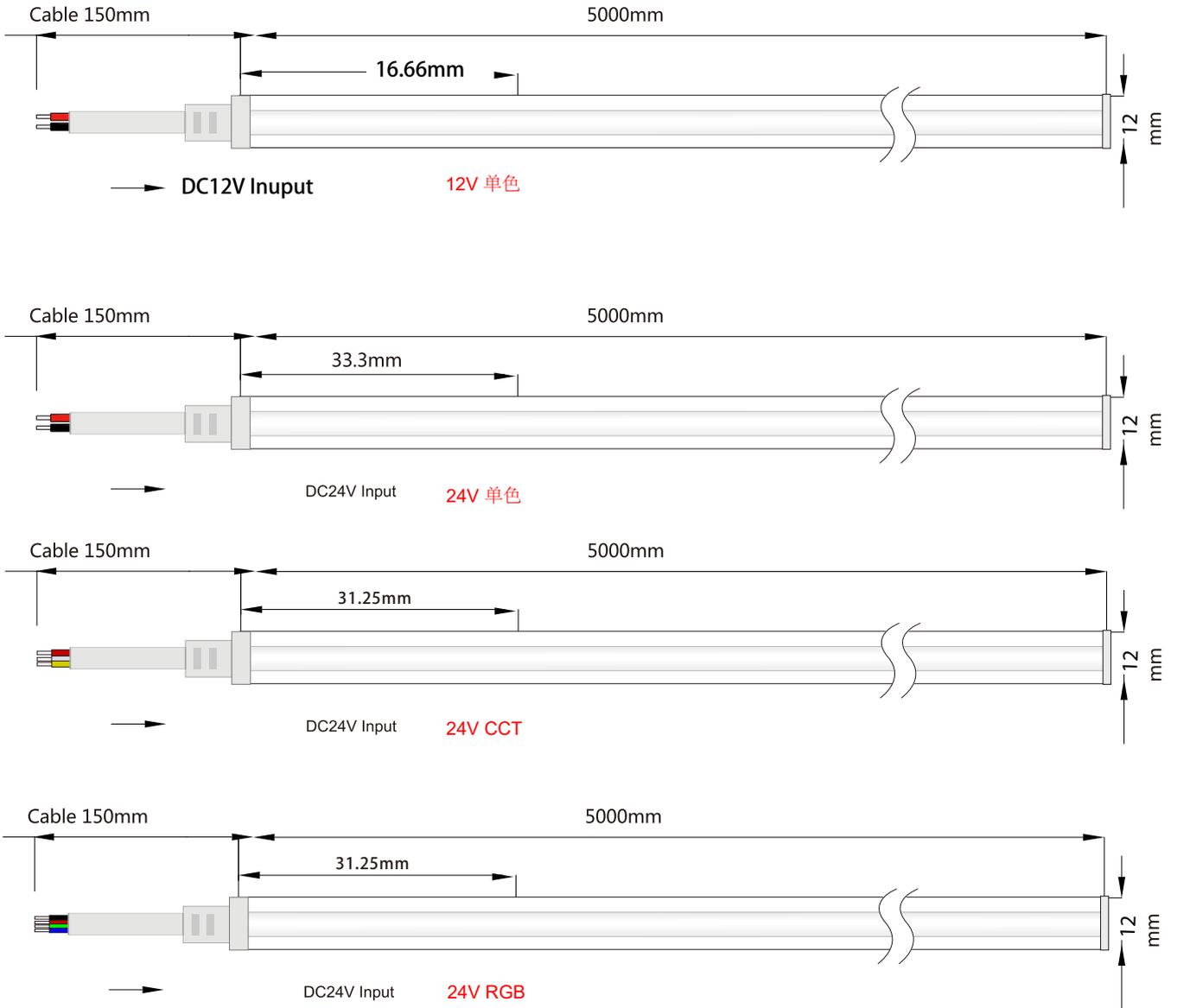
电气参数

输入电流/米:	12V:0.84A/m 24V: 0.5A/m(monochrome) CCT:0.42A/m RGB: 0.46A/m
输入电压:	DC12/24V
功率/米:	12V 单色: 10W/m 24V 单色: 12W/m 24V CCT: 10W/m 24V RGB: 11W/m
抗静电:	1000V (ESD)
灯珠数/米:	单色: 240LEDs/m CCT: 224LEDs/m RGB: 672LEDs/m
裁剪长度:	12V: 16.66mm 24V 单色: 33.33mm CCT/RGB: 31.25mm
灯珠数/组	12V: 4 LEDs 24V 单色: 8LEDs CCT/RGB: 7LEDs

光学参数

灯珠类型:	SMD2835
显色指数:	80/90
色温范围:	2700K~6500K/CCT/RGB
发光角度:	120°

尺寸图



配件



MX-02-002635
PC 型材



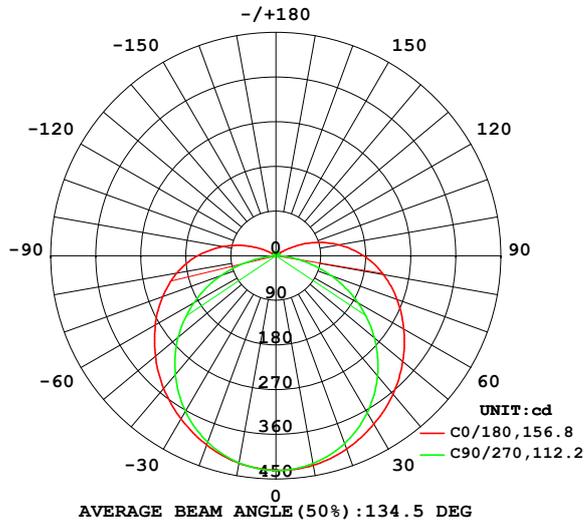
MX-02-002636
透明卡扣



MX-08-001820
直出堵头



MX-08-001821
尾堵



Photometric of 1M strip

※Max.length data is based on 10% voltage drop

※Warranty is based on indoor use

此IES报告基于24V单色，请联系销售获取其他报告

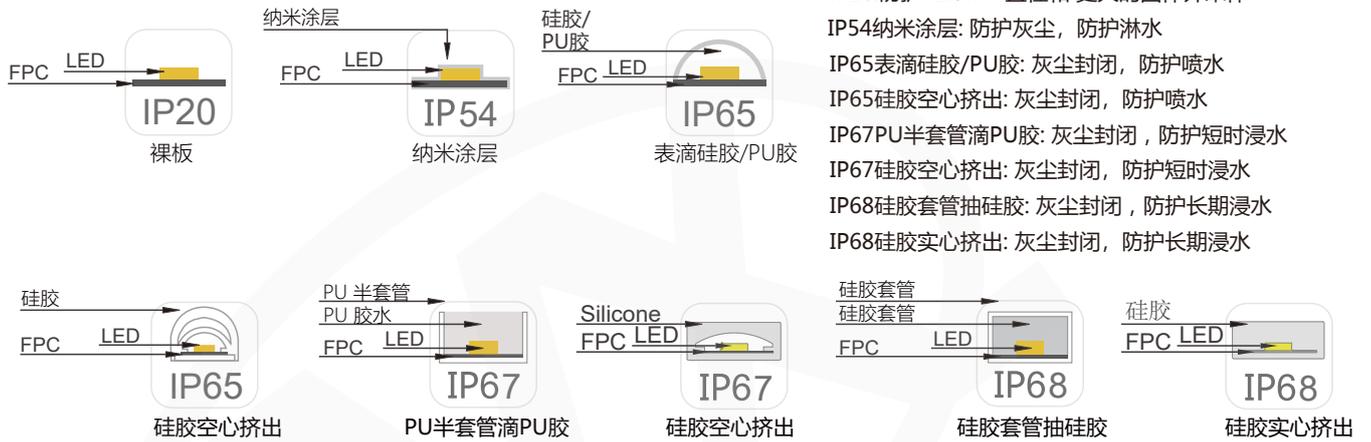
Flux out:968.6 lm

1m	130.0,432.6lx	297.48cm
2m	32.51,108.2lx	594.97cm
3m	14.45,48.07lx	892.45cm
4m	8.127,27.04lx	1189.94cm
5m	5.201,17.30lx	1487.42cm
6m	3.612,12.02lx	1784.91cm
7m	2.654,8.829lx	2082.39cm
8m	2.032,6.760lx	2379.88cm
9m	1.605,5.341lx	2677.36cm
10m	1.300,4.326lx	2974.85cm

Height Eavg,Emax Angle:112.17deg Diameter

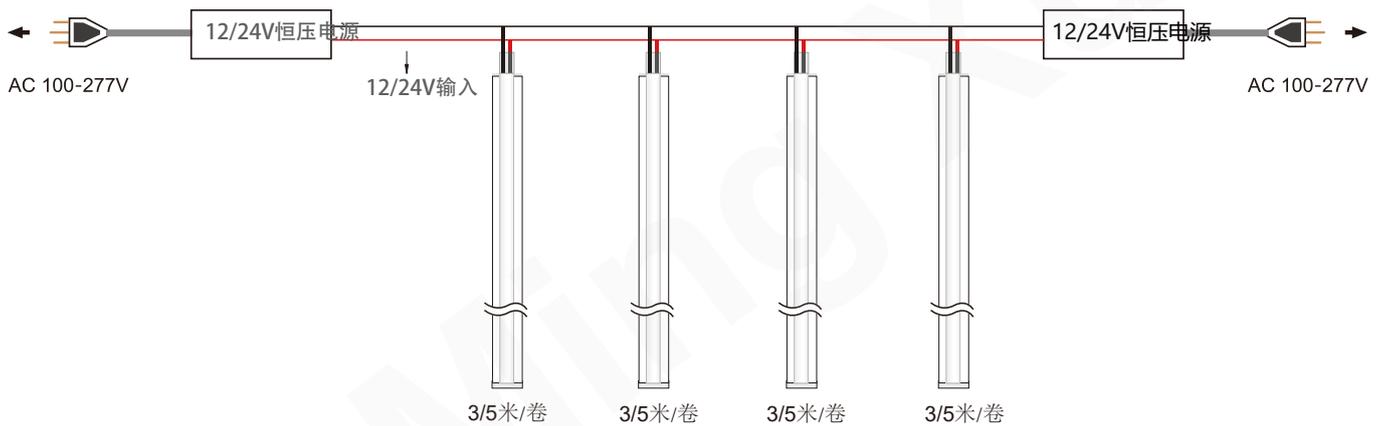
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

防水等级



接线图应用图

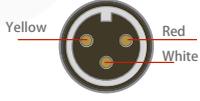
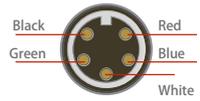
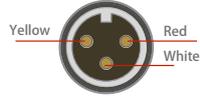
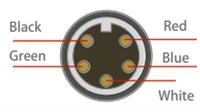
◆ 3/5米单端供电



控制器

图片	款式	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:-30°C~+55°C	匹配单色灯带
	单色控制器	MX-03-030322	Input voltage:12-48VDC Output current:15A@12V-10A@36/48V Output Power:180W@12V-360W@24V 360W@36V-480W@48V Working temperature:Ta:-30°C~+55°C	匹配单色灯带
	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:-30°C~+55°C	匹配双色温灯带
	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:-30°C~+55°C	匹配双色温灯带
	RGB 遥控器	MX-03-030469	Output signal :RF(2.4GHz) Working voltage :3VDC(CR2032) Remote control distance:30m Working temperature:Ta:-30°C~+55°C	匹配RGB灯带
	RGB 控制器	MX-03-030467	Input voltage :12-24VDC Output current :3CH,4A/CH Output Power :144-288W Working temperature:Ta:-30°C~+55°C	匹配RGB灯带

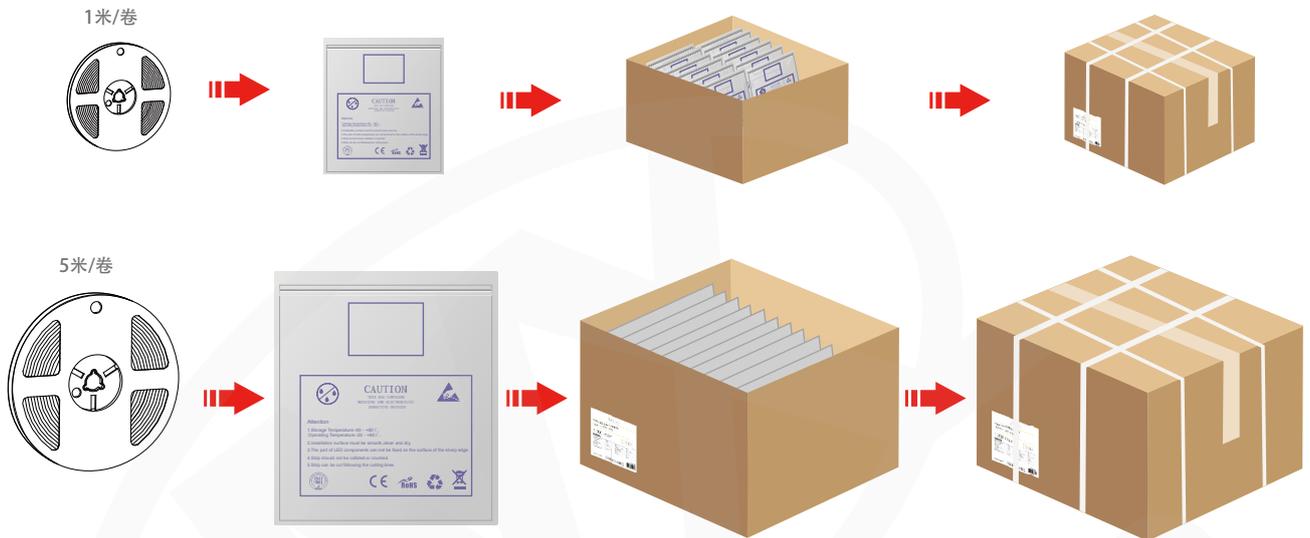
标准线标 (具体请看实际产品线标)

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

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



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12V或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非隔离电源驱动led条等降压电源为保障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，在使用时不能用力拉电源线，以免损坏LED灯具，禁止碰撞。
- 安装时请注意正负极电源线，不要选电压错误的电源与灯带使用，以免损坏产品。
LED灯带应存储在干燥密封的环境中，建议存储期不宜过长，工作温度-20 ~ +45℃，储存温度:-40 ~ +60℃，不防水灯
- 带在室内使用，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）