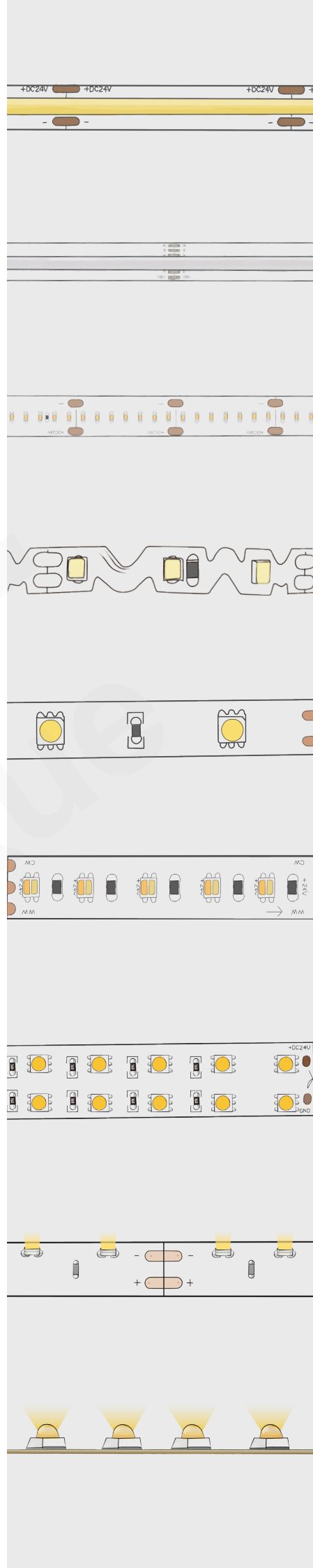


规格书

12V/24V 8MM Nano霓虹





8MM 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。
- 3-125Lm/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

产品型号	电压	色温/K	功率/米	显指	流明/米	流明/英尺	流明/瓦	裁剪长度	最大连接长度
MF228W216Q80-D027A6A06104N-0804ZA	12V	● 2700k	7.2	80 90	878 806	268 246	122 112	18.518mm	3m
MF228W216Q80-D030A6A06104N-0804ZA	12V	● 3000k	7.2	80 90	922 857	281 261	128 119	18.518mm	3m
MF228W216Q80-D040A6A06104N-0804ZA	12V	● 4000k	7.2	80 90	972 900	296 274	135 125	18.518mm	3m
MF228W216Q80-D050A6A06104N-0804ZA	12V	● 5000k	7.2	80 90	972 900	296 274	135 125	18.518mm	3m
MF228W216Q80-D065A6A06104N-0804ZA	12V	● 6500k	7.2	80 90	972 900	296 274	135 125	18.518mm	3m
MF328W210Q80-D027A6A06107N-0804	24V	● 2700k	7.2	80 90	850 749	259 228	118 104	33.3mm	5m
MF328W210Q80-D030A6A06107N-0804	24V	● 3000k	7.2	80 90	864 785	263 239	120 109	33.3mm	5m
MF328W210Q80-D040A6A06107N-0804	24V	● 4000k	7.2	80 90	900 828	274 252	125 115	33.3mm	5m
MF328W210Q80-D050A6A06107N-0804	24V	● 5000k	7.2	80 90	900 828	274 252	125 115	33.3mm	5m
MF328W210Q80-D065A6A06107N-0804	24V	● 6500k	7.2	80 90	900 828	274 252	125 115	33.3mm	5m

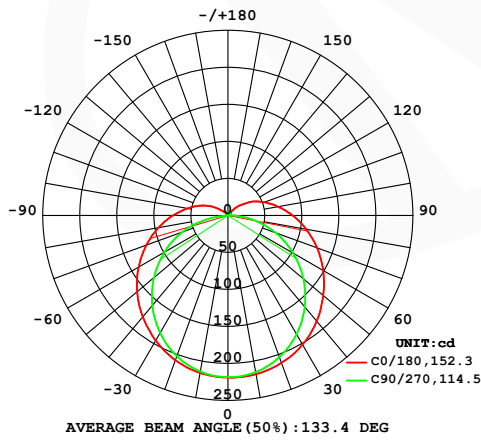
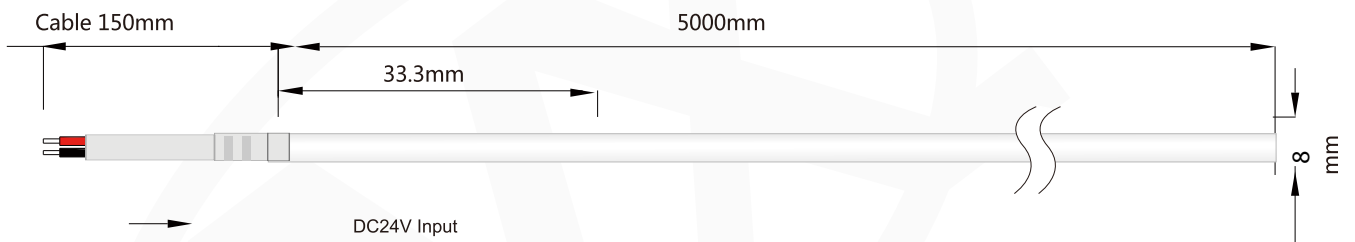
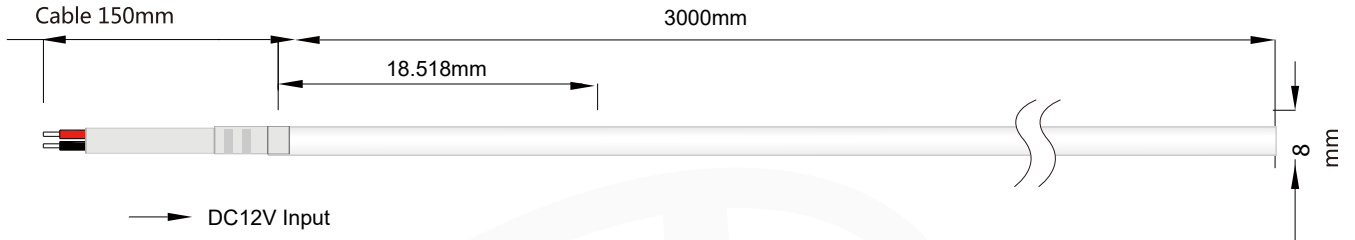
电气参数

输入电流/米:	0.6(max)A/m / 0.3(max)A/m(0.18~0.09A/ft)
输入电压:	DC12/24V
功率/米:	7.2W/m(2.2W/ft)
抗静电:	1000V (ESD)
灯珠数量/米:	216/210LEDs/m
裁剪长度:	18.518/33.3mm
灯珠数/组	4/7LEDs

光学参数

灯珠类型:	SMD2835
显指:	80/90
色温范围:	2700K~6500K
灯珠发光角度:	120°
光效:	12V:Ra80:122~135Lm/W 24V:Ra80:118~125Lm/W
流明/米:	12V:Ra90:228~274Lm/ft 24V:Ra90:274~252Lm/ft
能效等级:	D

尺寸图



IES是基于24V 4000K的报告

Flux out: 507.1 lm

1m	63.03, 219.01x	310.07cm
2m	15.76, 54.751x	620.14cm
3m	7.003, 24.341x	930.20cm
4m	3.939, 13.691x	1240.27cm
5m	2.521, 8.7611x	1550.34cm
6m	1.751, 6.0841x	1860.41cm
7m	1.286, 4.4701x	2170.48cm
8m	0.9849, 3.4221x	2480.54cm
9m	0.7782, 2.7041x	2790.61cm
10m	0.6303, 2.1901x	3100.68cm

Height Eavg, Emax Angle: 114.35deg Diameter

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

配件图



MX-08-000111

硅胶卡扣



MX-08-001822

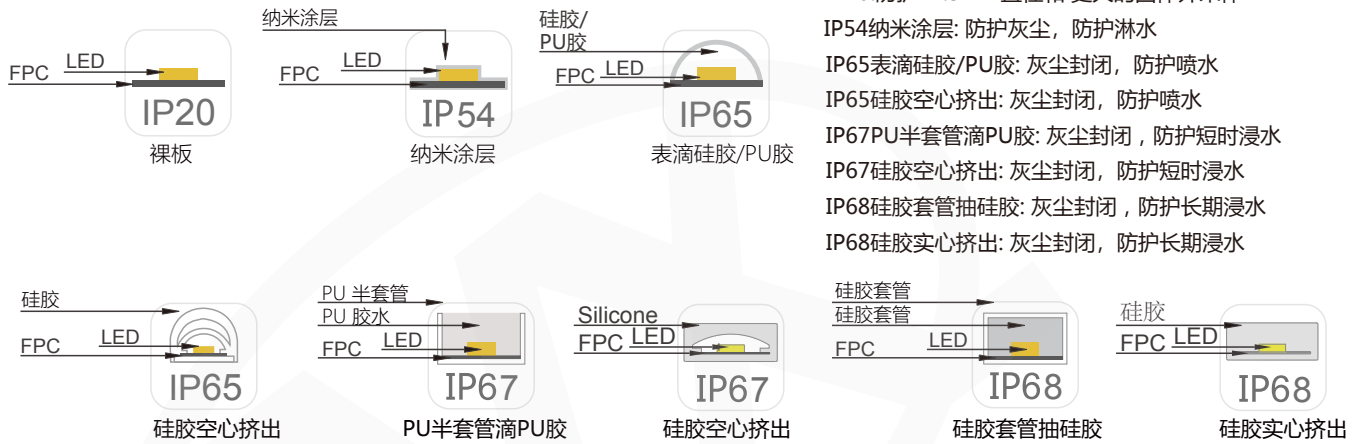
尾堵



MX-08-001823

堵头

防水等级



防水等级细则

IP20:防护12.5mm直径和 更大的固体外来体

IP54纳米涂层: 防护灰尘, 防护淋水

IP65表滴硅胶/PU胶: 灰尘封闭, 防护喷水

IP65硅胶空心挤出: 灰尘封闭, 防护喷水

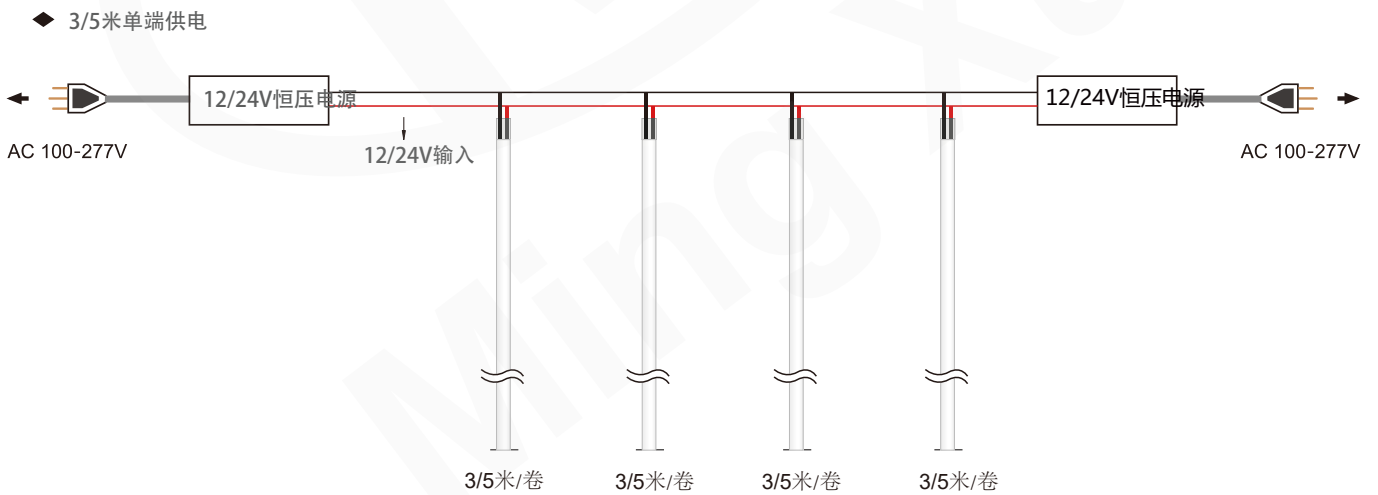
IP67PU半套管滴PU胶: 灰尘封闭, 防护短时浸水

IP67硅胶空心挤出: 灰尘封闭, 防护短时浸水

IP68硅胶套管抽硅胶: 灰尘封闭, 防护长期浸水

IP68硅胶实心挤出: 灰尘封闭, 防护长期浸水

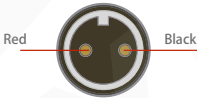
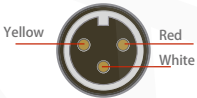
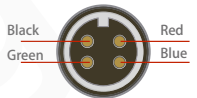
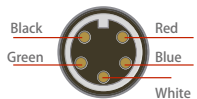
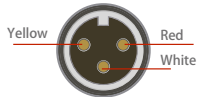
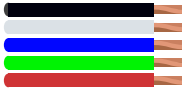
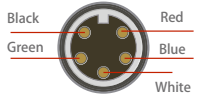
接线图应用图



控制器

图片	款式	型号	规格	匹配
	单色遥控器	MX-03-030322	Output signal:RF(2.4GHz) Working voltage:3VDC(CR2032) Remote control distance:30m Working temperature:Ta:0-30℃~0+55℃	匹配单色灯带
	单色控制器	MX-03-030472	Input voltage:12-48VDC Output current:15A@12V-10A@36V/48V Output Power:180W@12V-360W@24V 360W@36V-480W@48V Working temperature:Ta:0-30℃~0+55℃	匹配单色灯带

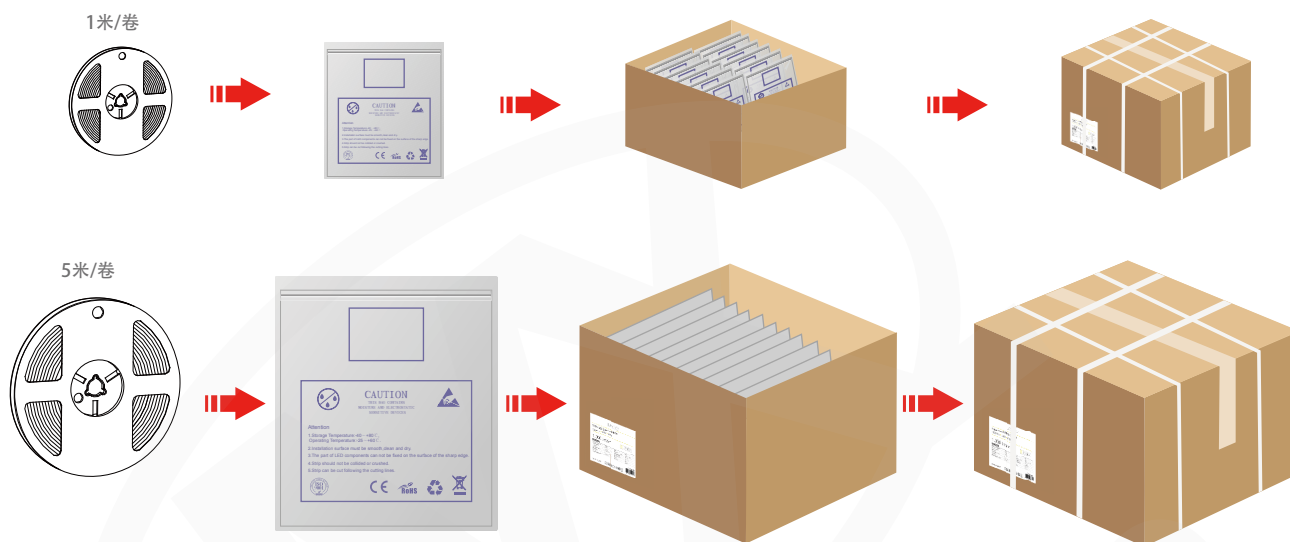
标准线标（具体请看实际产品线标）

○ 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
○ RGBCCT	 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
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）