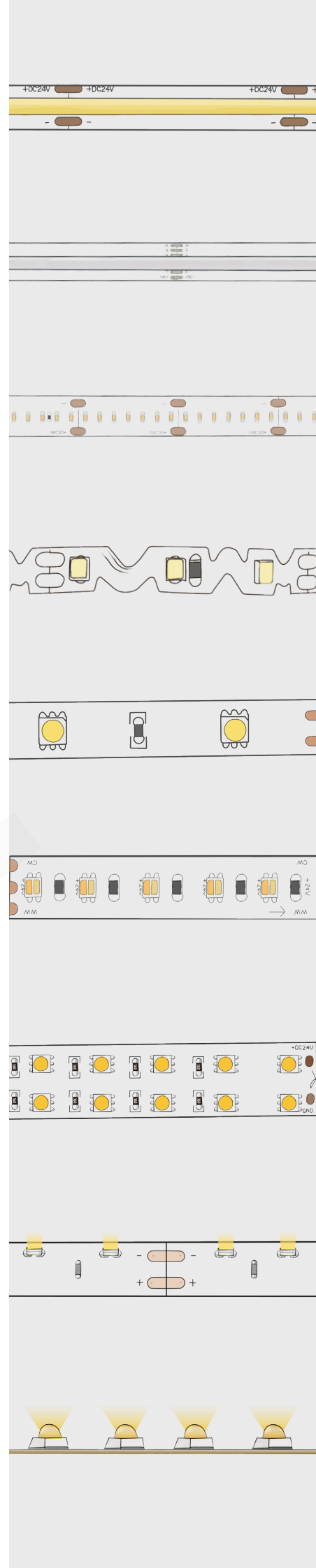


Product Specification

SMD2835 120LED strip





12MM SMD 2835 strip

- 1- Special spectrum, no blue light, no harm to human body
- 2- Two-color temperature design, Anti-mosquito function and lighting function
- 3- Lighting efficiency up to 110Lm/W
- 4- Compared with the Anti-mosquito strip on the market, our Anti-mosquito strip is more environmentally friendly, the special spectrum mosquito repellent effect is better, the light efficiency is higher, in addition to the mosquito protection effect, but also can be used for daily lighting, a strip dual use, cost-effective
- 5- It will not cause chemical pollution, the light source does not contain blue or purple light, and the stroboscopic isolation power supply is used to ensure the photobiosafety of human and animal eyes.
- 6- Single lamp mosquito protection area of 0.8 to 1 square meters/watt



STRUCTURE

Item Code	Input voltage	CCT/K	Wattage	Color Rendering Index	Lm/m	Lm/ft	LM/w	Min cut	Max.run length
MF328V120Q80-D805G6A10106N2	24V	570-590nm	12W/M (3.66W/FT)	N/A	1469	448	112	100mm (3.94")	5M (16.4ft)
MF328V120Q80-D805G6A10106N2	24V	5000k	12W/M (3.66W/FT)	80	1249	381	98	100mm (3.94")	5M (16.4ft)
MF328V120Q80-D805G6A10106N2	24V	4000k	24W/M (7.32W/FT)	80	2660	811	103	100mm (3.94")	5M (16.4ft)

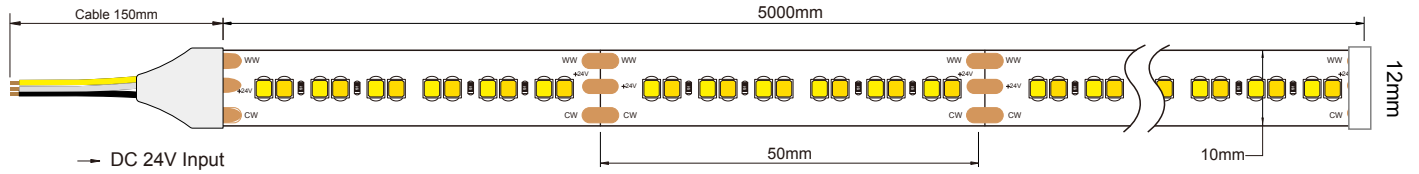
Optical

LED type:	SMD2835
Color rending index:	Ra>80,N/A
CCT Range:	570-590nm,5000K, 4000K,
Irritation angle:	120°
Light Efficiency:	98-112Lm/w
Lumen output:	1249-2660Lm/m(381-811Lm/ft)

Electric (24V)

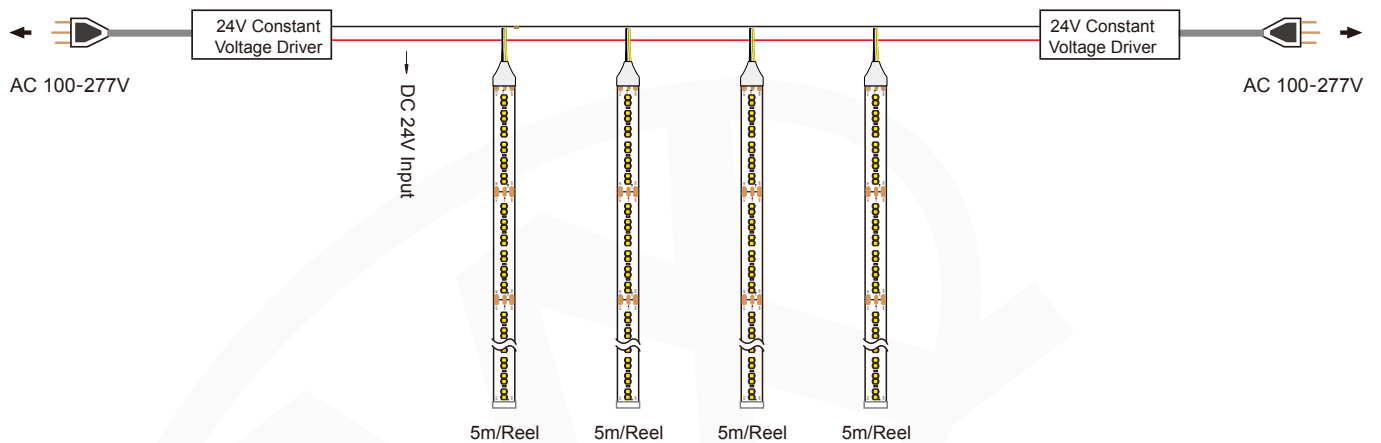
Input current:	1A/m(0.31A/ft)
Input Voltage:	DC24V
Voltage Power:	24W/M(7.32W/ft)
Static Electricity:	2000V(ESD)
LEDs/meter:	120LEDs/m
Size of section:	100mm(3.94")
LEDs of section:	12LEDs

DRAWING





WIRING DLAGRAM APPLICATION

◆ Single end power input for 5 meters



Controller

Picture	Item	Model	Spec	Match
	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

Reliability test of light

TESTING ITEM	PERFORMANCE	STAND ARD/REFERENCE VALUE/DESCRIPTION	
1-FIND REPEATED TEST 2-RE ARRAGE ORDER 3-CONFIRM STANDARD * 4-REQUIRED EQUIPMENT FOR TEST ** 5-CONFIRM ALREADY AVAILABLE EQUIPMENT WITH LIAO *** 6-CONFIRM ETA FOR MISSING EQUIPMENTS ****	ITEM	DESCRIPTION	REQUIRED EQUIPMENT FOR TEST **
PHOTOMETRIC TEST	Spectrum Analysis	LM 79(lumen,CCT,CRI,XY,SDCM,wave length)	<input checked="" type="checkbox"/>
	Photometric Distribution	LM 79(lumen intensity distribution&Lux diagram)	<input checked="" type="checkbox"/>
ELECTRICAL TEST	ESD test	IEC61000-4-2/ANSI-ESDSTM5.1.2	
	EMC Test	IEC 61547/GBT 18595 IEC 61000-3-2/GB 17625.1	<input checked="" type="checkbox"/>
MECHANICS & PHYSICE TESTING	Bending Test Vertical	Manufacturer-defined,500 cycles 3 times bending with 0.5m/s pulling speed	
	Bending Test Horizontal	Manufacturer-defined,500 cycles 3 times bending with 0.5m/s pulling speed	
	Swing Tes	UL2388,>750 cycles	
	Tensile Test	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.	<input checked="" type="checkbox"/>
	Twist Test	Manufacturer-defined,>200 cycles in 720°	<input checked="" type="checkbox"/>
	Adhesion test	3M VHB5952 hung on 2kg loads >7 hrs	<input checked="" type="checkbox"/>
	drop test	IEC68-2-6,GB/T2423/10/95	<input checked="" type="checkbox"/>
	Vibration tes	I bear up to 25,4mm amplitude in 14200 cycles	
	Insulation Resistanc	≤ 2MΩ	<input checked="" type="checkbox"/>
	Electrical strength	500V	<input checked="" type="checkbox"/>
	Heating test	Sample to be tested under normal installation Under 1.06 times Rating Voltage After 30 minutes.	<input checked="" type="checkbox"/>
ENVIRONMENT TESTING	Salt Spray Test	5% salt solution concentration, 48h 5%,48H 35, 5% salt water,35+/-2C for 48hrs	<input checked="" type="checkbox"/>
	High temperature and Humidity impact	65+/-2° C for 500 hrs 60°C, 85%RH 60度, 85%RH	<input checked="" type="checkbox"/>
	Temperature Shock Test	Manufacturer-defined,-40°C-85°C (typical temperature ange)	<input checked="" type="checkbox"/>
	switch test	30s On, 30s Off, 15000 times on/off every 30S, > 15000 cycles	<input checked="" type="checkbox"/>
	Lifetime aging test	35°C, 6000h	<input checked="" type="checkbox"/>
	Constant Temperature Test	Manufacturer-defined,60°C to -40° (typical temperature)	<input checked="" type="checkbox"/>
	Winding Test	φ 150mm cylinder, 60N pull, winding 10 times at (-25°C ±2°C) , and 10 times after(-15°C±2°C, 16h)	<input checked="" type="checkbox"/>
	Cold Bend Test	wound on mandrel,low-temperature (-15°C±2°C, 16h), around the mandrel for two turns	<input checked="" type="checkbox"/>
	Cold Impact test	Low-temperature (-15°C±5°C, 16h), hammer falls from a height of 100mm.	<input checked="" type="checkbox"/>
	UV Exposure Test	ASTMG 154,ISO 4892-3, UVA@340nm ASTMG154-06, UVA-340 0.68W/m2 for 300 hrs	<input checked="" type="checkbox"/>
	IPX5 IPX6 IPX7 IPX	IEC60529 IP65 -IP67	<input checked="" type="checkbox"/>
	Flame Resistant Test	UL94	

