SMD2835 120LED Strip 8MM

PRODUCT SPECIFICATION



Key Feature

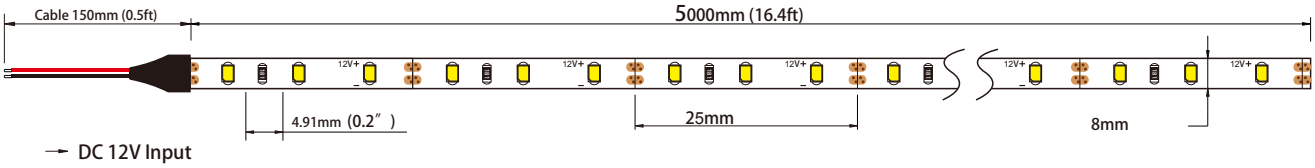
- 50,000 hours Lifetime, 5 years warranty
- Multiple Color Option : 1800K ~ 9000K
- Only one Bin, SDCM<3,
- CRI Option: Ra>80+, Rf>90 all available

1800 K | 2100 K | 2300 K | 2500 K | 2700 K | 3000 K
3500 K | 4000 K | 5000 K | 6500 K | 7500 K | 9000 K

Shenzhen Mingxue Optoelectronics Co., Ltd. Office: 14F, Building T3 HIPARK Complex, Shiyan BaoAn District Shenzhen, China
Factory:Building 9 &10, WanYang park ,baoyong industry road No 8 , west area baoyong industry zone,longjiang town,Shunde District, Foshan city
Tel: +86-755-27637866 Tel:+86-755-27638086
E-mail: info@mingxue.cn Web: www.mingxueled.com

TÜVRheinland CERTIFIED
c UL us LISTED E473513
c ETL us Intertek
RoHS
CE

Drawing:



Notice:

Safety Input Voltage: DC 12V

Size of each section is 25mm, and cutting at “scissors symbol” place. LED Strip length’s length tolerance is ±0.2%mm, width tolerance is ±0.2mm.

Optical

LED type:	SMD2835
Color rending index:	Ra>80+
CCT Range:	2000K, 2500K, 2700K, 3000K, 3500K, 4000K, 5000K, 6000K.**7500K.9000K**
Irritation angle:	120°
Light Efficiency:	100Lm/w
Lumen output/meter:	1600Lm/m (432Lm/ft)

Electric (12V)

Input current/m:	0.8A/m (0.13A/ft)
Input Voltage:	DC12V
Voltage Power/m:	9.6W/m (3.2W/ft)
Static Electricity:	1000V(ESD)
LEDs/meter:	120LEDs/m
Size of section:	25mm
LEDs of section:	3 LEDs

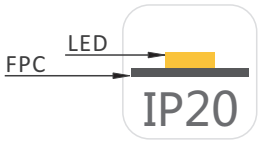
Others

Energy grade:	G
Warranty:	5years
Working hour:	50,000hrs lifetime for Tc<70°C
Working temperature:	-20℃ ~ +45℃
Working humidity:	40%-70%RH
Measurement:	L5000*W8mm
Waterproof Rate:	IP20

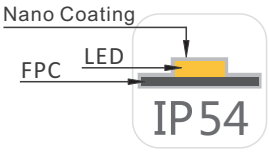
Descriptions:

- LED Strip can be used in many kinds of places as decorative lighting/backlight/, such as Ceiling trough, Staircase, Hall walkway, Billboard, Advertising sign, Bridge, Shopwindow, Cabinet etc. ;
- LED Project Strip can be 20m/roll, or 30m/roll. 100% of the lamps will be tested and keep lighting for 24h testing its quality reliability, and we also test it temperature after 24 hours’s lighting;
- We can provide with different Custom products, such as printing Customer LOGO on FPC, Custom Aluminum Foil Bag Custom carton box/connector/DC cable/, Customs FPC design/color/width etc.

Waterproof Rate :



No Waterproof



Nano Coating

IP Rate Description :

IP20：Indoor use

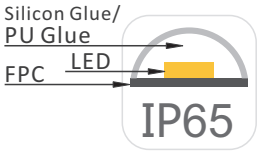
IP54 Nano：No Color shift with high Color Consistency

IP65 PU：No Lead and mercury, Strong adhesion

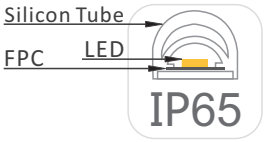
IP65 Silicon：Anti-UV ability, never become yellow

IP67：Lead-free and mercury-free, Strong adhesion

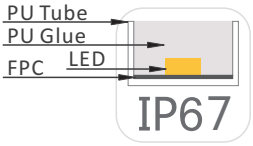
IP68：Silicon glue with Anti-UV, never change color



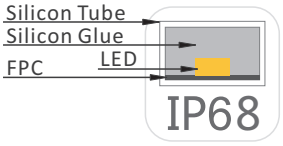
PU Glue



Silicon Tube



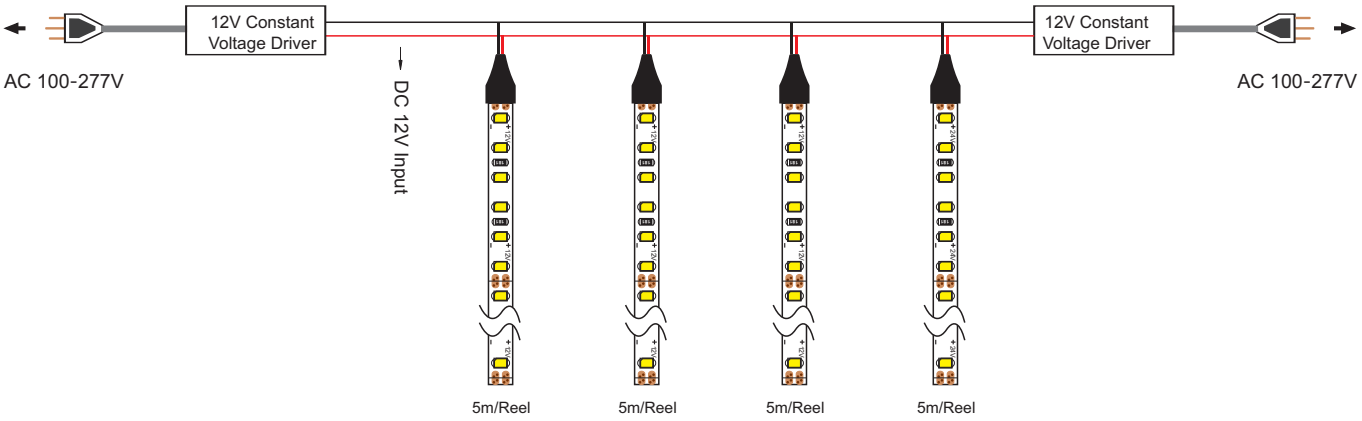
PU Tube
PU Glue

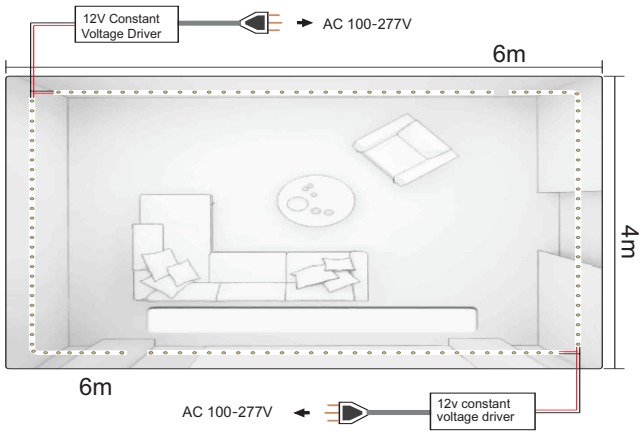


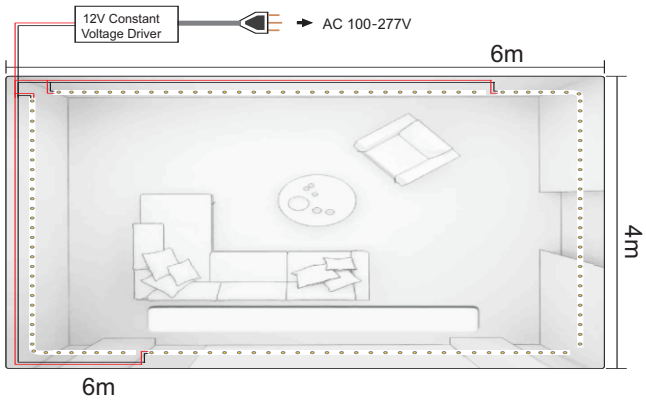
Silicon Tube
Silicon Glue

Wiring diagram application :

◆ Single end power input for 5 meters







3M Adhesive Tape



3M 200 LSE Type
(Economy Type)



3M 300 LSE Type
(Mid-quality Type)



3M VHB RED
(High-quality Type)

Packaging

Aluminium foil bag

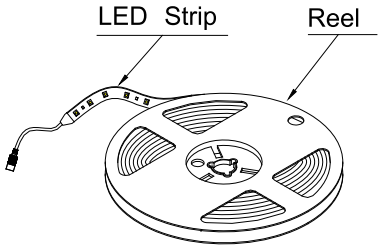


210*235*0.12mm



Bag Photo Show

Plastic reel

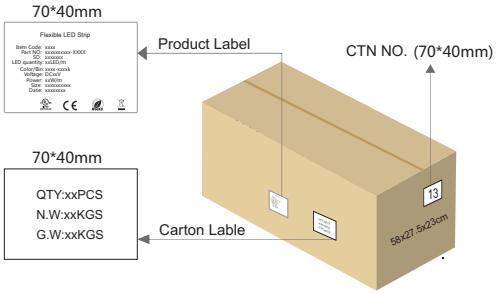


5m/Reel



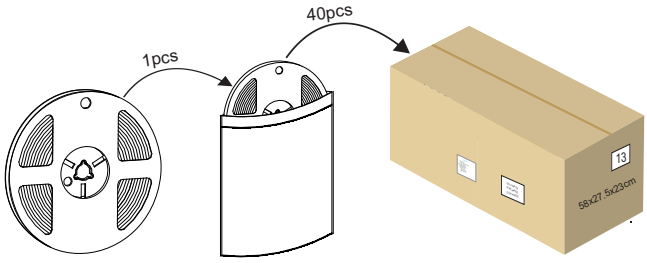
Reel Photo Show

Carton box



Carton box size: 58x27.5x23cm

Packing Number

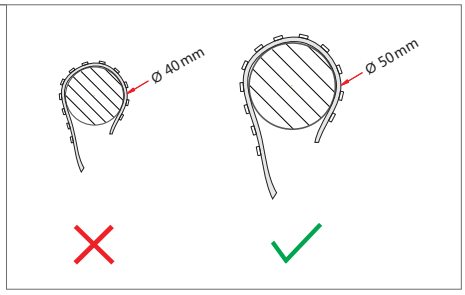


Strip Code :

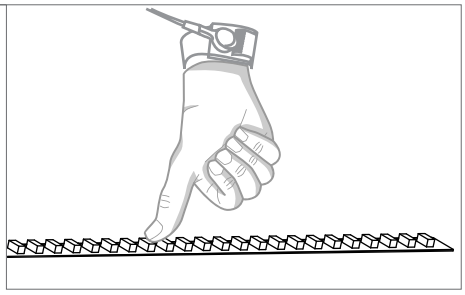
Product series	Item code	Number of LED (m)	Voltage (DC)	Power/watt (W/m)	(W/ft)	CCT (K)	CRI (Ra)	Lumens Output (Lm/m)	(Lm/w)	IP Grade
SMD2835 DC 12V	MF328V120A90-D018A0A05	120LEDs	12V	9.6W	3.2W	1800K	>90+	672Lm	70Lm/w	IP20
	MF328V120A90-D023A0A05	120LEDs	12V	9.6W	3.2W	2300K	>90+	700Lm	73Lm/w	IP20
	MF328V120A90-D027A0A05	120LEDs	12V	9.6W	3.2W	2700K	>90+	720Lm	75Lm/w	IP20
	MF328V120A90-D030A0A05	120LEDs	12V	9.6W	3.2W	3000K	>90+	768Lm	80Lm/w	IP20
	MF328V120A90-D035A0A05	120LEDs	12V	9.6W	3.2W	3500K	>90+	777Lm	81Lm/w	IP20
	MF328V120A90-D040A0A05	120LEDs	12V	9.6W	3.2W	4000K	>90+	816Lm	85Lm/w	IP20
	MF328V120A90-D050A0A05	120LEDs	12V	9.6W	3.2W	5000K	>90+	826Lm	86Lm/w	IP20
	MF328V120A90-D060A0A05	120LEDs	12V	9.6W	3.2W	6000K	>90+	844Lm	88Lm/w	IP20

⚠ Cautions:

≤50 mm diameter of wrapped object prohibited



Touching LED, pls wear the electrostatic ring for avoiding ESD



Satety Information

Application notes for led flexiable strip

In order to drive LED flexible strip lights safely, it is absolutely necessary to operate them with an electronically stabilised power supply protecting against short circuits, overload and overheating.

To also ease the luminaire/installation approval, electronic control gear, power supply and all electronic accessories for LED or LED modules should carry "CE, or UL" mark and meet the latest safety standard.

- Please use 12VDC isolated power supply to drive the led strip, and the constant voltage source ripple less than 5%. Can't step-down the power by resistance-capacitance and nun-isolated power supply driver led strip, etc.
- To ensure the longevity and reliability of the strips, please do not bend the arc diameter 60mm or less, do not fold to avoid damaging the lamp beads or broken.
- To ensure the life and environment of lights, in the use of force can not pull the power cord to avoid damage to prohibit collision LED lights.
- During the installation of positive and negative attention to the power cord, do not pick the wrong voltage power supply and the product are the same, so as to avoid damage to the product.
- LED lights should be stored in dry sealed environment, the proposed storage period should not be too long before using unpacking, the working temperature: -20 ~ + 45 , Storage temperature: -0 ~ + 60 , not waterproof lights band indoor use, relative humidity not higher than 70%.
- In practical applications, the power supply should leave 20% margin (recommend using only 80% of the power) in order to ensure a sufficient amount of voltage drive products
- Do not use any acidic, alkaline adhesive securement products (including not limited to glass, plastic, etc.)