



# LED Flexible Strip 2835 Series LM2835-120D-12V/24V 5MM



## Product feature

- ◆ 5 meters roll, every 120 meters lamp, the theoretical power per meter 15W, Power rating:75W/5M ,angle light 120 degrees. 25-30lm of each light bead can be customized according to needed.
- ◆ curved, soft, soft and compact, back with 3M double-sided adhesive can be installed in the concave convex surface, easy to install.
- ◆ Lamp strip supports external light regulator type: 0/1-10V PWM Dali Dimmable inductive switch controller
- ◆ each 2.5 or 5 cm , three or six beads can be used as a unit of shear, cut does not affect other parts. 5 meters in length can be adjusted according to production requirements.
- ◆ low power consumption, low fever, no glare, impact resistance, energy saving and environmental protection.
- ◆ can be customized to glue dust (IP65), (IP66), silicone casing waterproof glue waterproof (IP68);
- ◆ LED Life time: Mean time between failure(MTBF):50-100K hour

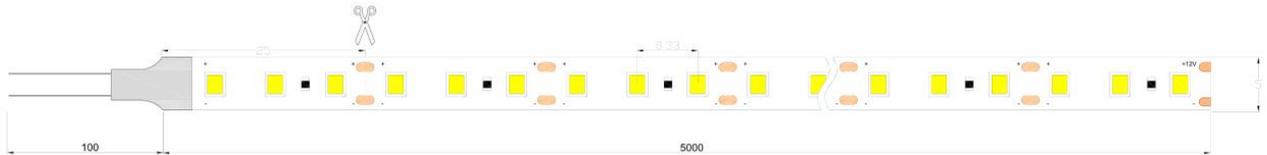


## Technical parameters

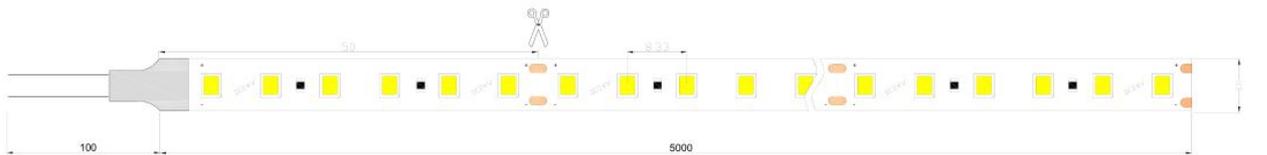
Mode	LED Q'ty/M	Color	CCT/Chromaticity	Lumen/led (lm)	CRI(Ra)	Voltage (V DC)	Electric current (A/m)	Power±10%(W/m)	Lm/m ±10%	FPCWidth /thickness
LM2835-WN-120	2835SMD 120PCS/M	Natural White	4000-4200K	27-30lm	75-90	12/24	0.83/0.42	10	1000LM	5mm 2Ounce
		White	6000-6500K							
		warm white	2600-2800K	26-29lm						
		warm white	3000-3200K							
		Red	617-627nm	--						
		Blue	464-474nm	--						
		Green	515-525nm	--						
		Yellow	585-600nm	--						

## Dimension(mm/inch)

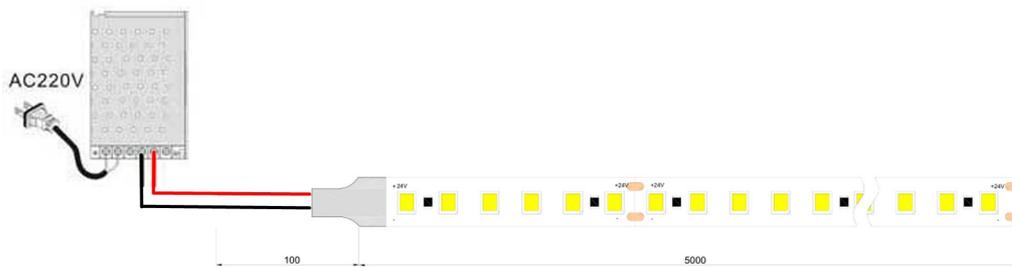
12V



24V

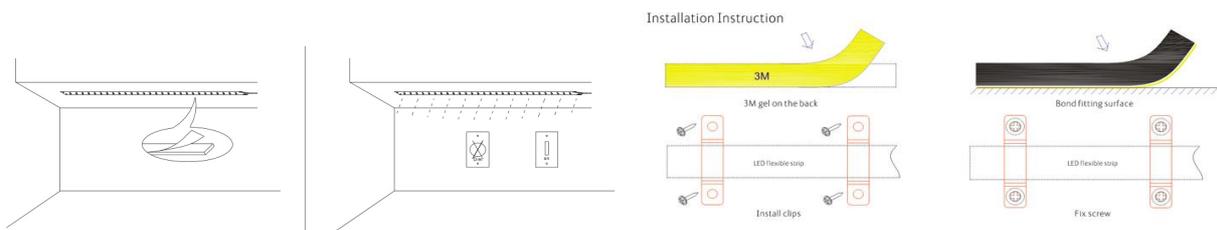


## Linking operation

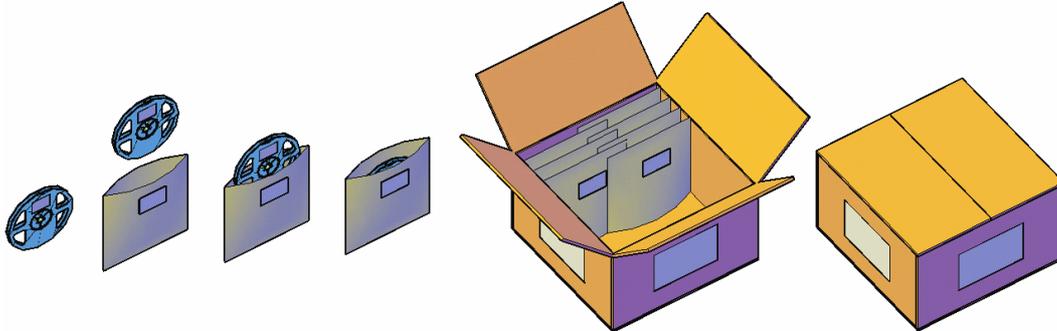


Notes: In order to better achieve product luminous effect, each 5 meters long lamp with power supply cable (regional), suggest that are connected to the power line

## installation



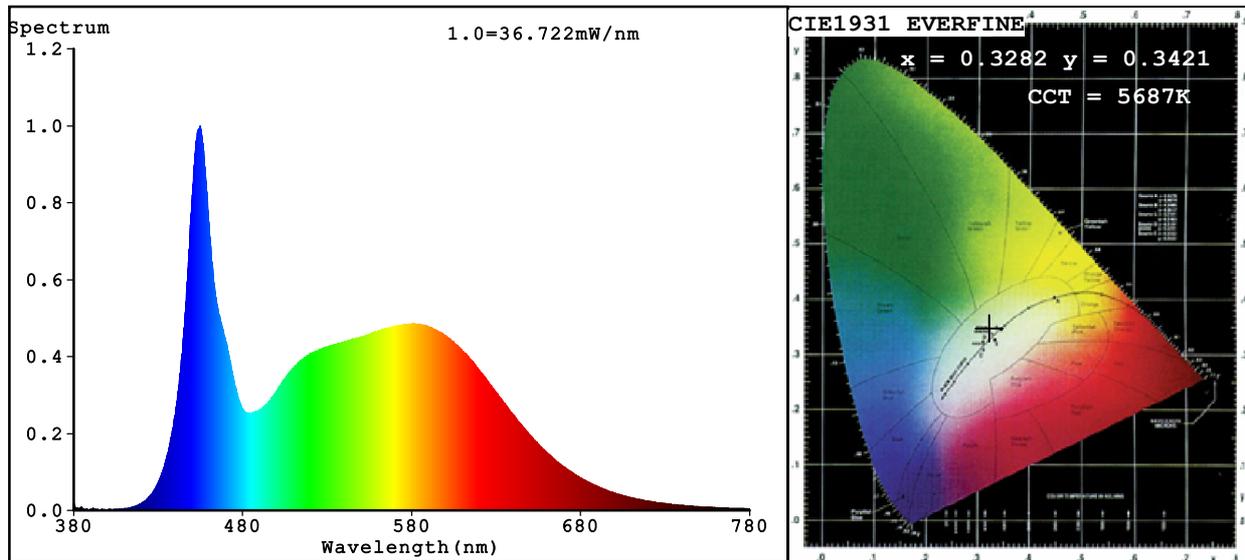
## Product packaging



## Safety Information

- The strip itself and all its components may not be mechanically stressed.
  - Assembly must not damage or destroy conducting paths on the circuit board.
  - Installation of LED ribbon (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
  - Correct electrical polarity needs to be observed. Wrong polarity may destroy the strip.
  - Parallel connection is highly recommended as safe electrical operation mode.
  - Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the strip.
  - Please ensure that the power supply is of adapters power to operate the total load.
  - When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between strip and the mounting surface.
  - Pay attention to standard ESD precautions when installing the strip.
  - Damaged by corrosion will not be honored as a materials defect claim.
- It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.

**Spectrum Test Report**



**Color Parameters:**

Chromaticity Coordinate: x=0.3282 y=0.3421/u'=0.2036 v'=0.4774  
 CCT=5687K (Duv=0.0024) Dominant WL:Ld =516.2nm Purity=1.8%  
 Ratio:R=14.6% G=79.8% B=5.6% Peak WL:Lp=454.7nm FWHM=20.8nm  
 Render Index:Ra=83.9  
 R1 =83 R2 =92 R3 =94 R4 =81 R5 =83 R6 =86 R7 =86  
 R8 =67 R9 =8 R10=79 R11=81 R12=59 R13=86 R14=98 R15=77

**Photo Parameters:**

Flux = 1133 lm Eff. : 114.17 lm/W Fe = 3.575 W  
 Photosynthetic:PPF:15.972umol/m2/s PAR WATT:3524.7mW/m2 (400-700nm)

**Electrical parameters:**

V = 12.098 V I = 0.8201 A P = 9.922 W PF = 1.000  
 LEVEL:OUT WHITE:ANSI\_5700K

Status: Integral T = 185 ms Ip = 52414 (80%)

---

Model:LM2835-WN120-W-12V-5MM	Number:102
Tester:Jim	Date:2019-04-26
Temperature:25.3Deg	Humidity:65.0%
Manufacturer:	Remarks:1M/ip20 1206/180R*1