

# LED Flexible Strip 5730 Series

## LM5730-60D-12V/24V



### Product feature

- ◆ 5 meters roll, every 60 meters lamp, the theoretical power per meter 12V 15W, 24V 18W, Power rating: 12V 75W/5M 24V 90W/5M, angle light 120 degrees. 55-62lm 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.
- ◆ each 5 or 10cm , 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 voltage 12V, 24V safe DC voltage drive, people and animals can be directly contact, safe and reliable.
- ◆ 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);

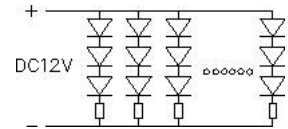
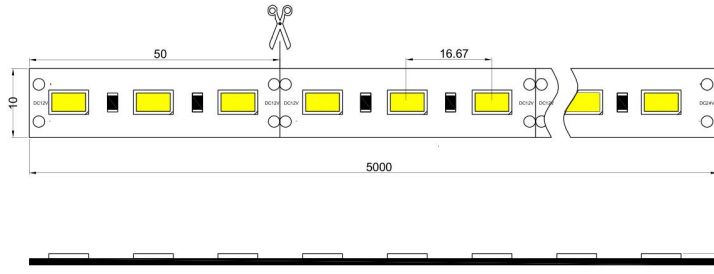


### Technical parameters

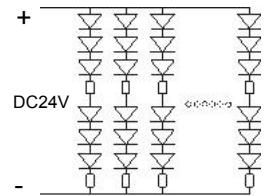
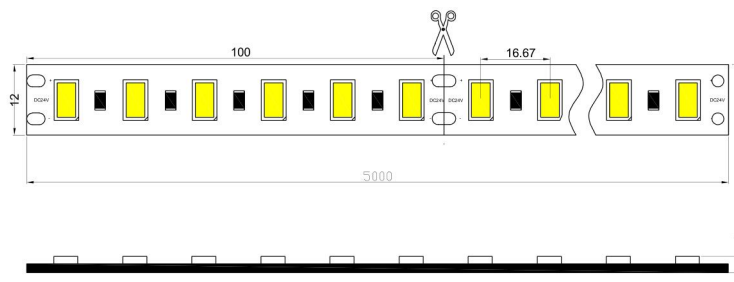
Mode	LED Q'ty/M	Color	CCT/Chromaticity	Lumen/led(lm)	CRI(Ra)	Voltage (V DC)	Current (A/m)	Max.Power Consumption(W/m)	FPC Width/thickness
LM5730-WN-60	5630SMD 60PCS/M	Natural White	4000-4200K	57-62lm	75-90	12/24V	1.25A/0.75A	12V 15W/m 24V 18-21W/m	10mm/12V 2Ounce 12mm/24V 4Ounce
		White	6000-6500K	57-62lm					
		warm white	2600-2800K	55-60lm					
		warm white	3000-3200K	55-60lm					
		Red	617-627nm	--					
		Blue	464-474nm	--					
		Green	515-525nm	--					
		Yellow	585-600nm	--					

## Dimension(mm/inch)

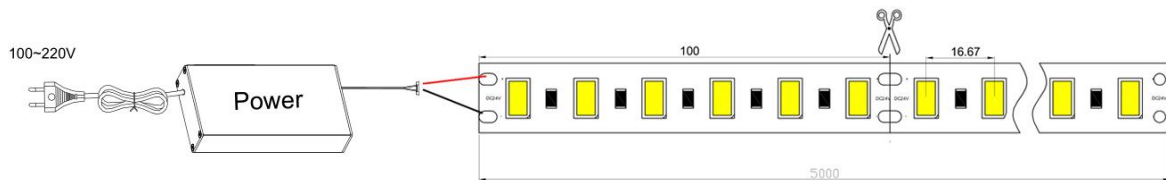
12V



24V

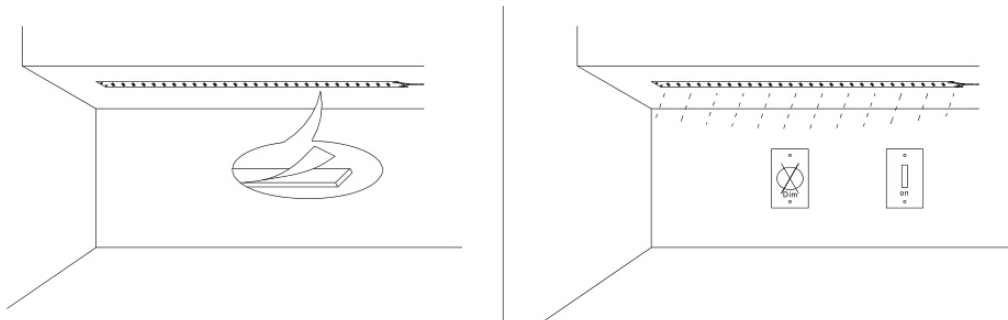


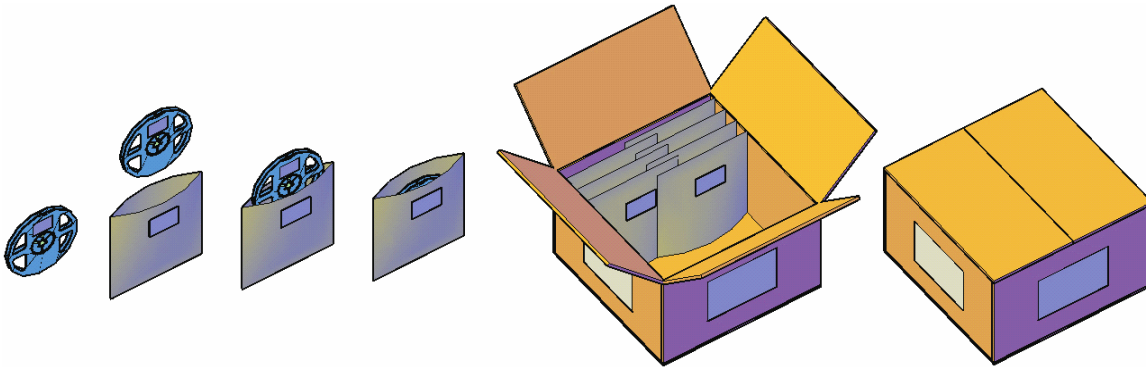
## Linking operation



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

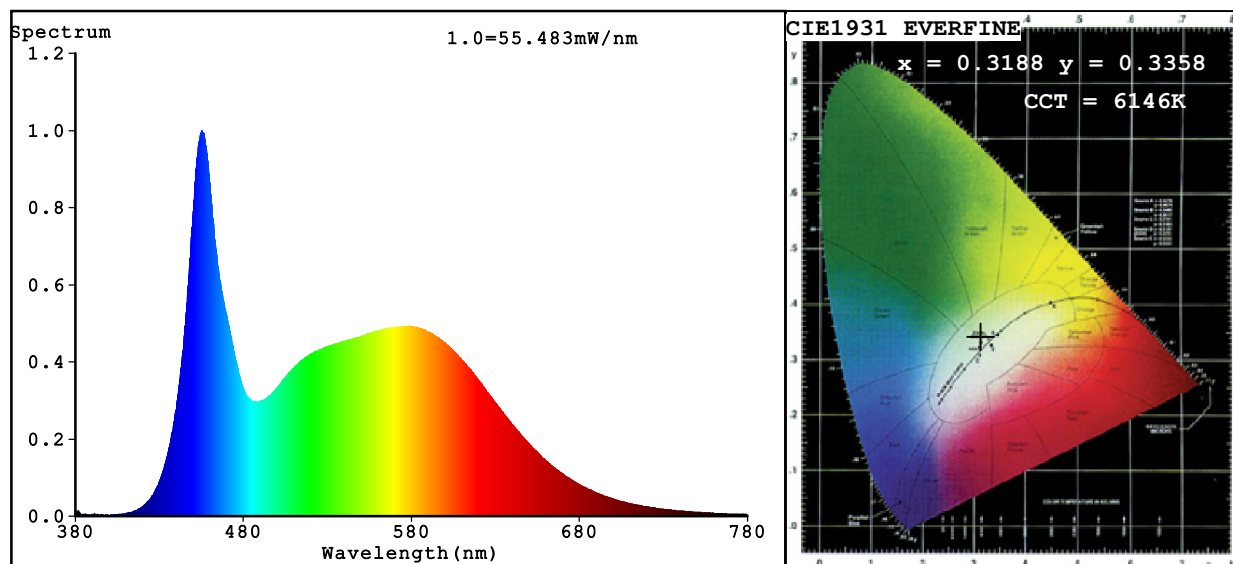




## Safety Information

- 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:  $x=0.3188$   $y=0.3358$   $u'=0.1995$   $v'=0.4728$

CCT=6146K (Duv=0.0036) Dominant WL:  $L_d = 493.9\text{nm}$  Purity=4.7%

Ratio: R=13.9% G=79.9% B=6.2% Peak WL:  $L_p = 455.5\text{nm}$  FWHM=25.6nm

Render Index:  $R_a = 83.6$

R1 = 82 R2 = 92 R3 = 94 R4 = 79 R5 = 82 R6 = 87 R7 = 85

R8 = 66 R9 = 6 R10 = 81 R11 = 79 R12 = 60 R13 = 86 R14 = 97 R15 = 77

## Photo Parameters:

Flux = 1751 lm Eff. : 97.93 lm/W  $F_e = 5.607\text{ W}$

Photosynthetic: PPF:  $24.903\mu\text{mol}/\text{m}^2/\text{s}$  PAR WATT:  $5528.8\text{mW}/\text{m}^2$  (400-700nm)

## Electrical parameters:

V = 12.098 V I = 1.478 A P = 17.88 W PF = 1.000

LEVEL: OUT WHITE: ANSI\_6500K

Status: Integral T = 84 ms  $I_p = 36719$  (56%)

Model: LM5730-WN60-W-12V-白光-10MM Number: 119

Tester: Jim

Date: 2019-04-26

Temperature: 25.3Deg

Humidity: 65.0%

Manufacturer:

Remarks: 1M/ip20 1206/20R\*2