

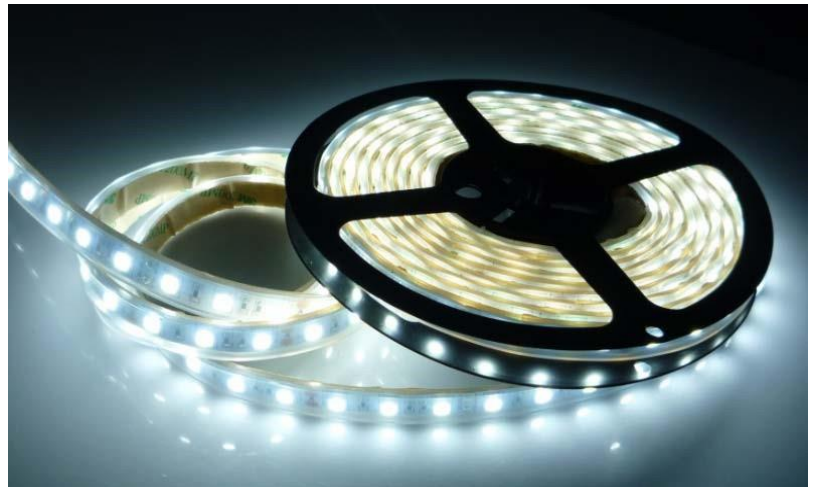
## Specification Sheet for Constant Current SMD5630 LED Flexible Strips

### Applications:

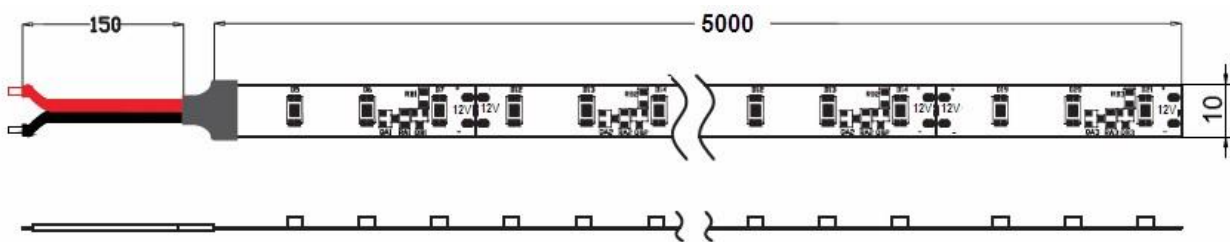
- ◆ Car decoration
- ◆ Architectural decorative lighting
- ◆ Archway, canopy and bridge edge lighting
- ◆ Auditorium walkway lighting
- ◆ Backlighting for signage letters
- ◆ Channel letter lighting

### Product features:

- ◆ Constant Current Version
- ◆ For 10m length, no color and brightness difference.
- ◆ No need of special driver, any DC24 driver will work.
- ◆ No need of special controller, normal controller will be OK.
- ◆ It can protect itself as well; when the strip temperature goes up, the current will go down to ensure safety.
- ◆ 120 degrees
- ◆ With self-adhesive on back side, 7LEDs a group for DC24V, 3LEDs a group for DC12V
- ◆ Work Voltage: DC24V/DC12V
- ◆ UL, CUL, CE, ROHS Approved

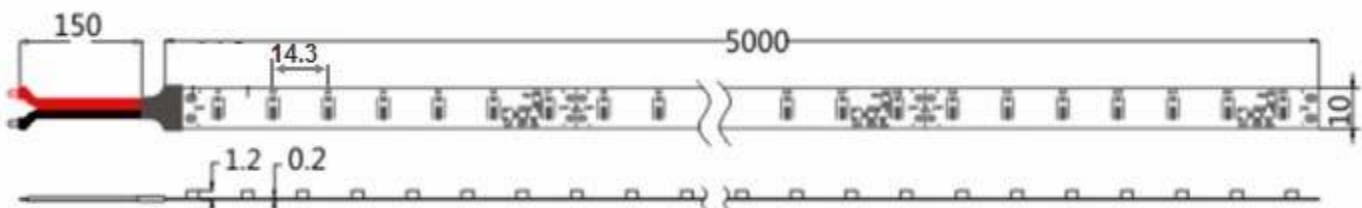


### Dimensions of DC12V 60LED/m Version



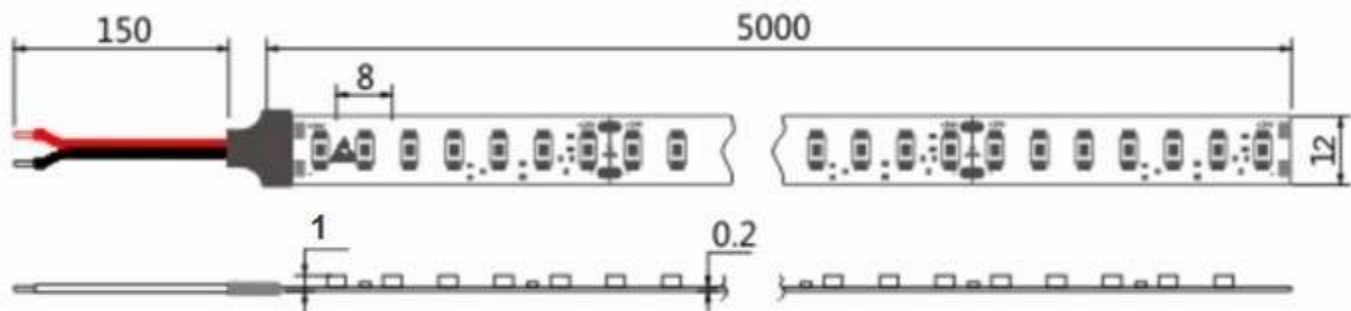
Unit: mm

### Dimensions of DC24V 70LED/m Version



Unit: mm

Dimensions of DC24V 126LED/m Version



Unit: mm

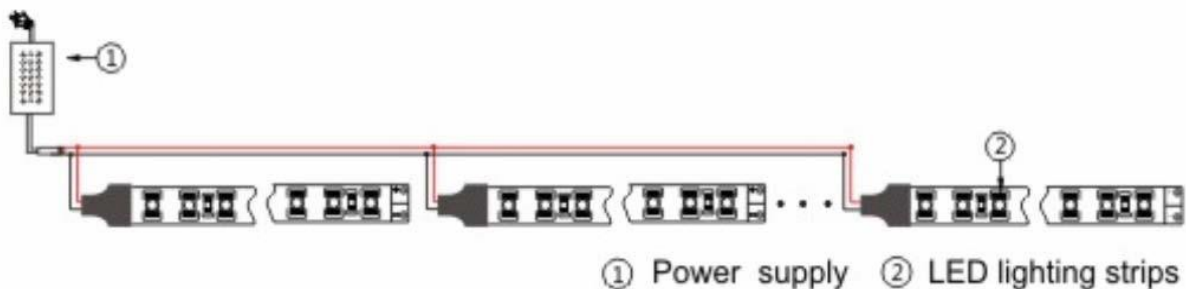
Specifications

Model No.	LED Type	LED Qty (m)	Work Voltage	Power	PCB Size	Waterproof	CRI	Color	$\lambda$ (Nm)/(CT:K)	Lumen (lm/m)
F5630X30-W-12C	SMD5630	60	DC12V	15W/m	10mm	IP20/IP67	$\geq 80$	Warm White	2700-3100K	1250-1300lm
F5630X30-N-12C								Nature White	4000-4500K	1350-1400lm
F5630X30-P-12C								Pure White	6000-7000K	1450-1500lm
F5630X35-W-24C	SMD5630	70	DC24V	15W/m	10mm	IP20/IP67	$\geq 80$	Warm White	2700-3100K	1400-1500lm
F5630X35-N-24C								Nature White	4000-4500K	1550-1650lm
F5630X35-P-24C								Pure White	6000-7000K	1650-1750lm
F5630A63-W-24C	SMD5630	126	DC24V	22W/m	12mm	IP20/IP67	$\geq 80$	Warm White	2700-3100K	2200-2300lm
F5630A63-N-24C								Nature White	4000-4500K	2300-2400lm
F5630A63-P-24C								Pure White	6000-7000K	2400-2500lm

Remark:

X is for Waterproof type. A for Non-waterproof, C for IP67

Connection drawings



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**Notice:**

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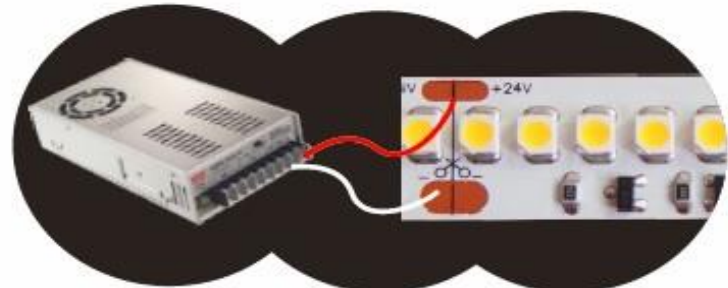
Before Application, please ensure correct input of Positive & Negative Pole, otherwise, the strips will be damaged

**Features of Constant Current LED Strips**

- 1 With Constant Current IC for each segment; no need of constant current driver. Normal DC24V constant voltage power supply is enough (This IC will convert DC24V to CC for the LED)



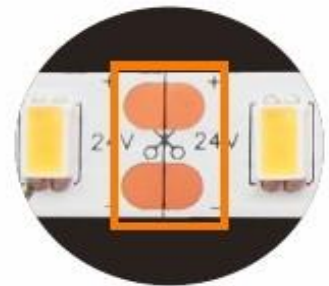
Constant Current IC



DC24V Constant Voltage Power Supply

Constant Current Strips

- 2 This Constant current strips is cuttable like the Constant voltage strips.No need to change power supply after cutting



Cutting Line

- 3 It is of same current with DC21V to DC30V input, such voltage drop won't affect the brightness uniform of the strips. (21-30V Input)



- 4 It is with temperature sensor, when the temperature of the strips gets higher, the current will go down to protect itself and ensure long life span.



54mA Current before heating



34mA Current when temperature get up



54mA Current when temperature get down back

- 5 Any DC24V Output PWM Control system or dimmer is suitable, such as RF, 0-10V, Dali, DMX512, etc.



DMX



RF



Dali

- 6 It can be made in 10m continuous length without brightness difference and color difference.

- 7 We have a full range of constant current strips of different brightness and power for your choice.