

Monocolor Flexible SMD LED SPECIFICATION

Model No.: STRF5-5050-Y30-12V-WP-T

Features:

The application of soft & flexible PCB makes the strip possible to be bent into any shape as per users' needs. The viewing angle as wide as 120° and adjustable length by cutting off or connecting every three LED's enable it to be more suitable for the applications of signs, advertisings and backlights.

Applications:

- Channel Letters
- Lighting source for shop windows
- ■Indoor Decoration Lighting
- Advertising Signs
- Replacement for Neon

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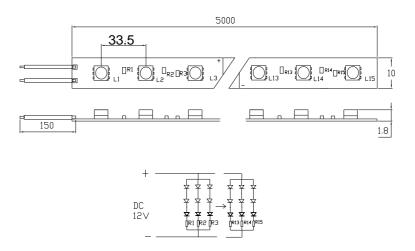


Non-waterproof 5050-30 LEDS/M LED strip





■ Drawing (1 meter)



note

- 1.All dimensions are in millimeters.
- 2. Tolerance is ± 0.25 mm unless otherwise specified.
- 3.Lead spacing is measured where the leads emerge from the package.
- 4. Specifications are subject to change without notice.

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■ Rating Electrical/Optical Characteristics(1 meter)

Item	WARM White
Operation Voltage(V)	DC12
Power Dissipation(W)	7.2
Input Current(mA)	600
Wavelength(nm)	CCT:587-592
Single LED Luminous Intensity(MCD)	1800
Luminous Flux(lm)	135-165
Angle(°)	120
Operation Temperature(°C)	-30~60
single LED Operating Current(mA)	60
LED Quantity(pcs)	30
Dimension:(mm)	L1000*W10*H1.8mm
Life Time(hrs)	50000
net weight:(g)	53.6
Approval	UL/CE/ROHS

■ Rating Electrical/Optical Characteristics(5 meter)

Item	White
Power Dissipation	36W
Total Length	5m±0.25mm.
Input Current(mA)	3000
Weight	268g

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How to use:

- 1. Please use this product with 12V DC.
- 2. Please complete the ESD-prevention before using.
- 3. The flexible LED strips should be neither bent into right-angles nor folded.
- 4. For this product, every three LEDs on the same strip can be cut off and use separately (namely, every 100mm works as a group). Please refer to the 'Outline' for the details.
- 5. The calculating way that how many this product a power supply can upload is: the current(A) that the power supply can offer/the current distributed to each single group*total group of this product
- 6. The strip quantity of each sting that directly connected to the power supply should not exceed 30 PCS; otherwise, the brightness of the strip at the end of the string will be dimmed because of the voltage reduction. Although a loop circuit can avoid reduction happening, one string should not connect too many strips.
- 7. The wire with gray line is anode, while the red green blue yellow white is cathode, If polarities connected in a wrong way, the strip will not be lit, but will not be damaged either. What only needs to do is changing the polarity connection.
- 8. When installing the strips in the plastic letters or characters, please try to use 3 or 4 branch wires and when doing the connection try to make the strips in a letter or character or box form a loop circuit or several loop circuits by using red and black wire to connect the strips at the end of the strokes together according to their polarities.
- 9. This product is water-proof.
- 10. When installing the strip, the double-sided adhesive tape or carpenter's glue is required to make the clip slot of the strip firmly stuck together. When using the double-sided adhesive tape, proper glass glue must be spread to avoid the strip falling off after long-time exposed in the sunlight.
- 11.The strip quantity of each sting that directly connected to the power supply should not exceed 30pcs; otherwise, the brightness of the strip at the end of the string will be dimmed because of the voltage reduction. Although a loop circuit can avoid reduction happening, one string should not connect too many strips.
- 12.No push, squeeze or press on the components of the strip for fear damaging the components to affect the lighting effects.

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