

LED FLEXIBLE STRIP LIGHT

constant voltage



Key Features and Benefits

- ※ High light efficiency
- ※ Low power consumption
- ※ Dimmable by pluse width modulation
- ※ Flexible circuit board
- ※ 3M adhesive backing
- ※ 120° beam angle
- ※ Lifespan up to 50,000 hours
- ※ No UV or IR emissions

Product offering

P/N	Voltage	Wattage	Color temperature
LF1250X60A20X27	12VDC	12 W/M	2700K (± 150K)
LF1250X60A20X30	12VDC	12 W/M	3000K (± 200K)
LF1250X60A20X40	12VDC	12 W/M	4000K (- 4500K)
LF1250X60A20X50	12VDC	12 W/M	5000K (± 300K)
LF1250X60A20X60	12VDC	12 W/M	6000K (- 6500K)

Application information

- ※ Main lighting, auxiliary lighting or decorative lighting
- ※ Architectual light for canopy, corridor, window, archway
- ※ Cove light
- ※ Backing light or edge lighting for signage
- ※ Path and contour marking
- ※ Indoor or outdoor
- ※ Dimmable with TRIAC or 0-10 V dimmers

Certifications



EN 62471

warranty 3 years



Specification data

Technical data

Light source	Qty. of LEDs/M	Input voltage (V DC)	Power/M (W)	IP rating	Color Temperature	Lumens/M (lm)	CRI	Beam angle
SMD5050	60	DC12V	12W	20	2700± 150K 3000± 200K 4000-4500K 5000± 300K 6000-6500K	1000	80	120

* All data is based on test of product in 1 meter long.

* The tolerance of the technical data presented in this datasheet are ± 10%: depending on variances in manufacturing process .

Basic information

Dimensions (mm)	Max run (mm)	Min run (mm)	Min bending radius (mm)	Environment	Lifespan	Warranty
W: 10 H: 2	10 000	50	20	Indoor dry	30,000hrs	3 years

* Not submersible;

* Flexible PCBs are equipped with 3M adhesive tape on the reverse side.

Minimum & maximum ratings

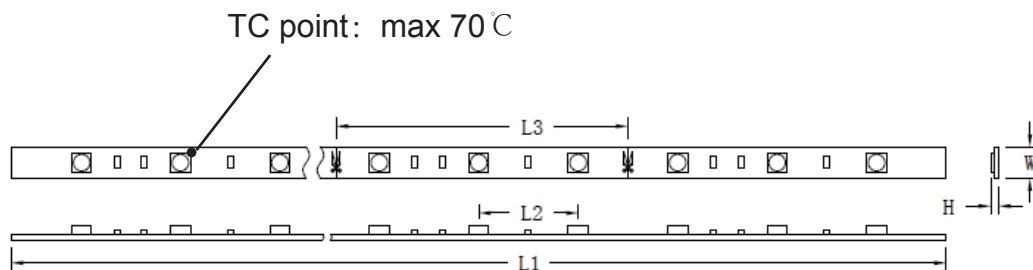
Operating temperature at TC point	- 20 ~ 70°C
Storage temperature range	- 20 ~ 70°C
Voltage range	11 - 13V DC
Reserve voltage	13V DC

* Exceeding maximum rating for operating and storage temperature will reduce expected lifespan or destroy the product;

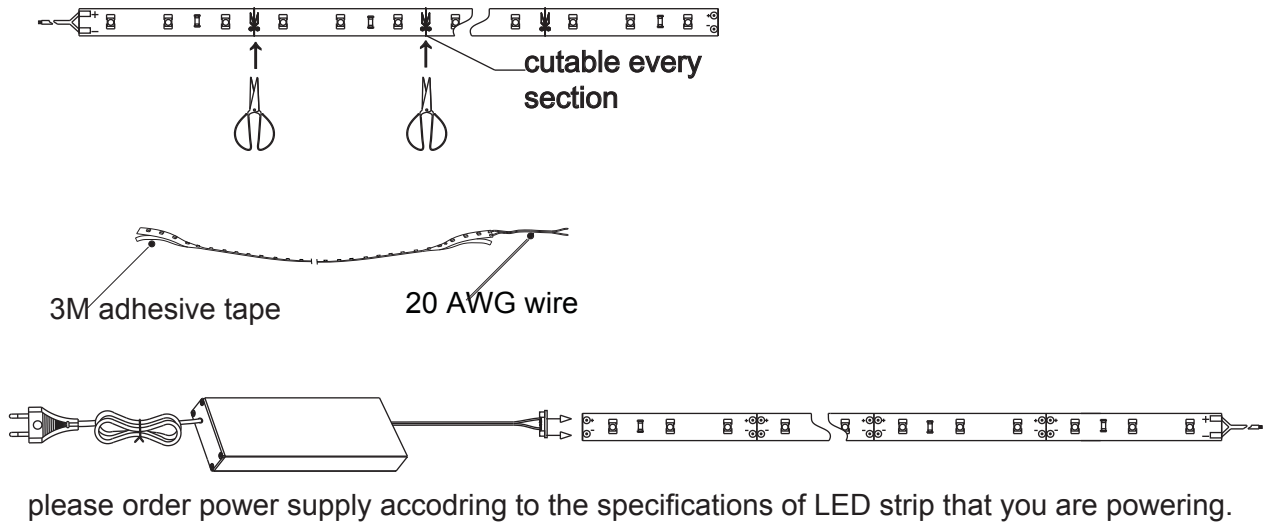
* Exceeding maximum rating for voltage will cause hazardous overload and destroy the product;

* The operating temperature must be measured at the TC point. See drawing for example location of the TC point.

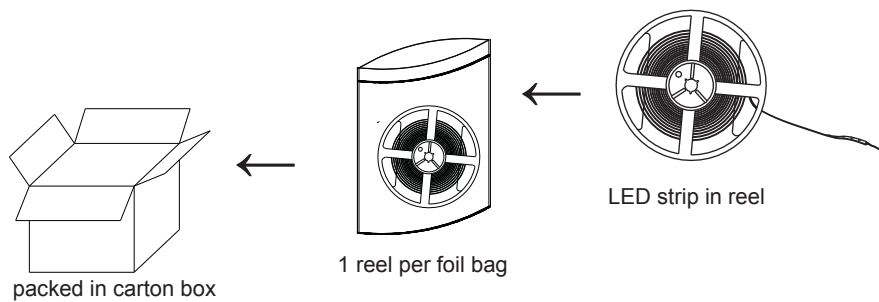
Drawing



L1 (Whole length)	5000 mm
L2 (Distance between LEDs)	16.7 mm
L3 (Minimum section length)	50 mm
W (width)	10 mm
H (Height)	2 mm



Package



Safety & warranty information

Only qualified personnel should perform installation. To avoid electrical shock or component damage, disconnect power before installation of the power supply.

Incorrect polarity or overload may destroy the product.

Avoid looking directly into the light beam: high brightness may damage eyes.

The product is covered under warranty of 3 years, as long as operating and storage temperature, and voltage do not exceed the maximum ratings. In order to realise a long lifetime and low reduction of luminous flux, the heat resulting from the LED should be dissipated optimally. It's essential to use heat sinks of good heat-dissipating material. Damage by corrosion or improper heat sinking will not be honored as materials defect claim.

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