Signcomplex
light and smart

FLEXIBLE
CHIP-ON-FPC STRIP

Single color series/ TW series/ High voltage series/ Side-emitting series

CE RoHS Warranty 1 year

Available colors

WW NW W R G B Y

DESCRIPTION

Flexible chip-on-FPC strip with uniform and soft light, good linearity, no glare, high color consistency, with the controller can achieve light brightness control. Through the control of lighting dynamic effect, it can adapt to different scene application, making immersive feeling.

OPTIONAL SERIES

Different series to meet your different application needs

Single color series
Various PCB widths and light colors are available to meet the installation requirements of different spaces.

Single color series
Can be bent at will, LED chip is completely wrapped by silicone, with good waterproof airtightness and insulation, higher reliability.

TW series
The color temperature and brightness can be adjusted as needed.
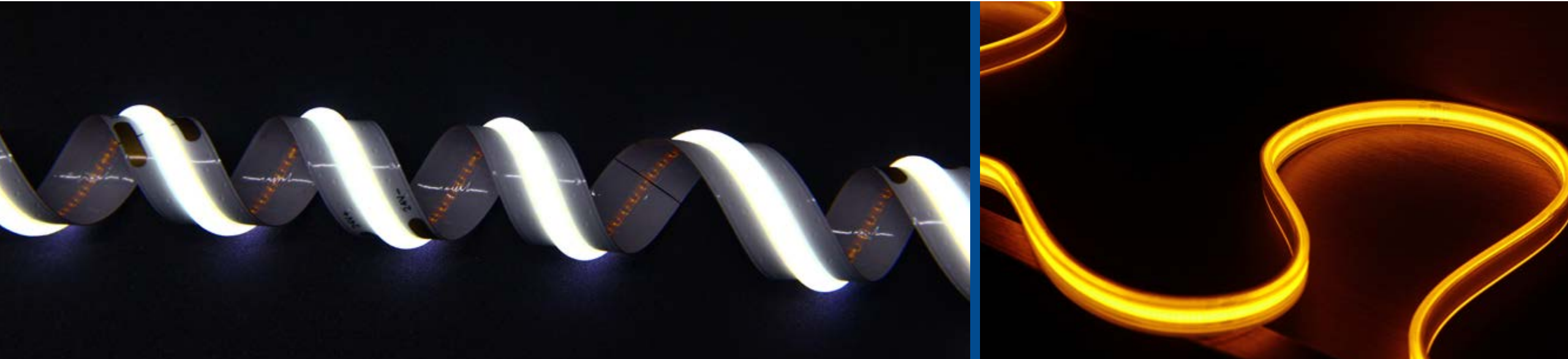
High voltage series
Equipped with high voltage plug, plug and play.
High voltage input, low current, 50m long connection, 0.5m cut.

SIDE-EMITTING
SERIES

SOFT LIGHT

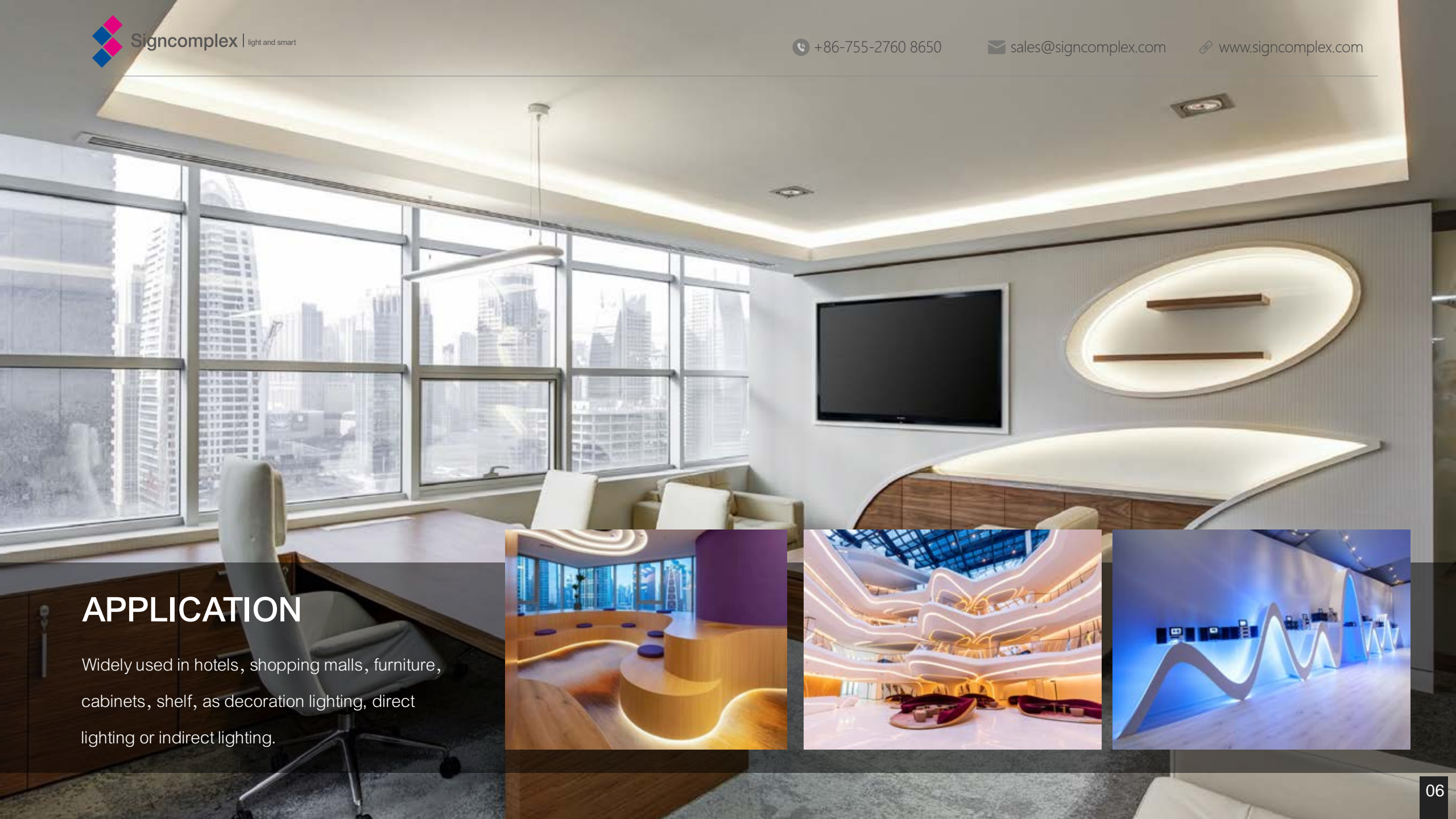Soft light, dot free, linear light, extremely flexible, high reliability

HIGH COLOR CONSISTENCY

Suitable for museums, galleries, or high-end retail where color consistency is paramount

IP20/ IP65 OPTIONAL

Waterproof or non-waterproof
optional, applicable to more
scenarios

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APPLICATION

Widely used in hotels, shopping malls, furniture, cabinets, shelf, as decoration lighting, direct lighting or indirect lighting.
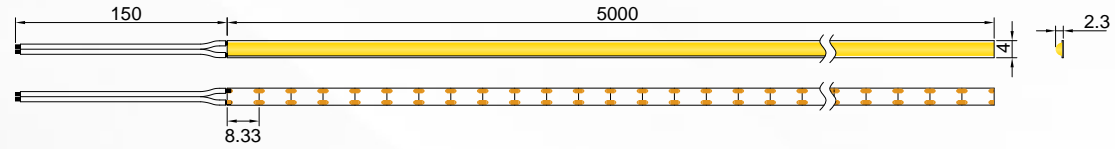
PARAMETER

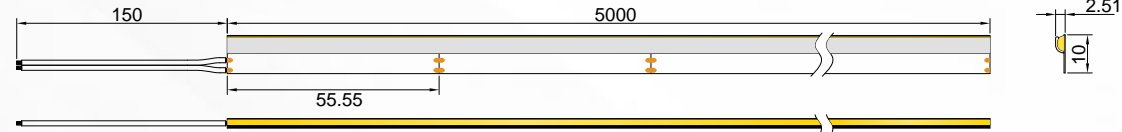Notes: The test data is based on IP20 products. The data deviation range is ±10%

Model	Color	Lumen (lm/m)	Power (W/m)	Ra	Voltage （V DC）	Max. length (m)	Mini. cut (mm)	PCB width (mm)	Beam angle	IP grade
SC-SFL-360-XX-12	W NW WW	200 260 280	4	≥90	24		8.33	4	160°	IP20/ IP65
SC-SFL-378-XW-24	W NW WW	450 450 380	10	≥80	24		55.5	10	180°	IP20
SC-SFL-240-XX-24	W NW WW	650 800 900	10	≥80	24		33.33	8	160°	
SC-SFL-320-XX-24	W NW WW	680 760 800	8	≥90	24		50	8	160°	
SC-SFL-480-XX-24	W NW WW	850 950 1000	10	≥90	24	5	50	8	160°	IP20/ IP65
SC-SFL-512-XW-24	W NW WW	900 1000 1200	10	≥90	24		62.5	10	160°	
SC-SFL-640-TW-24	2700K+6500K	720 800	18	≥80	24		25	10	160°	
SC-SFL-840-TW-24	2700K+6500K	560 675	15	≥90	24		50	10	160°	
SC-SFL-320-XX-220	W NW WW	450 510 550	6	≥80	220	50	500	13.5	160°	IP65

DIMENSIONS (Unit: mm)

SC-SFL-360-XX-12
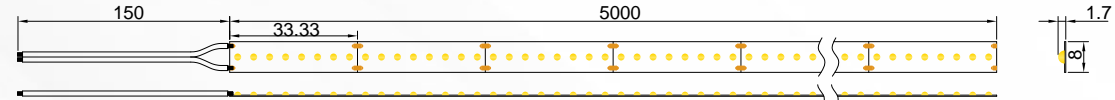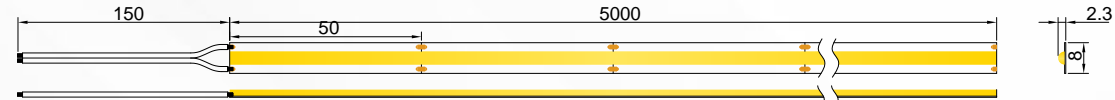
150   5000   2.3
4
8.33

SC-SFL-378-XW-24

150   5000   2.51
10
55.55

SC-SFL-240-XX-24

150   5000   1.7
33.33   8

SC-SFL-320-XX-24

150   5000   2.3
50   8

SC-SFL-320-XX-220

500   11.5   45   500   50000   15
10   13.5   18.5
12   7   12
13.5   7

SC-SFL-480-XX-24

150   5000   2.3
50   8

SC-SFL-512-XX-24

150   5000   2.3
62.5   10

SC-SFL-640-TW-24

150   5000   2.3
10
25

SC-SFL-840-TW-24

150   5000   2.3
10
50
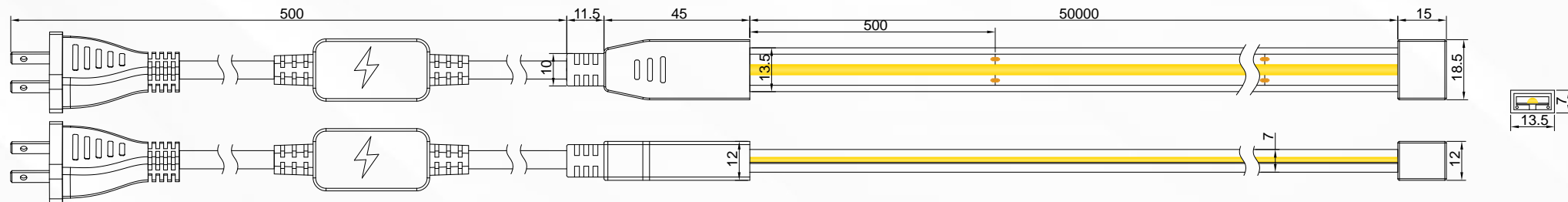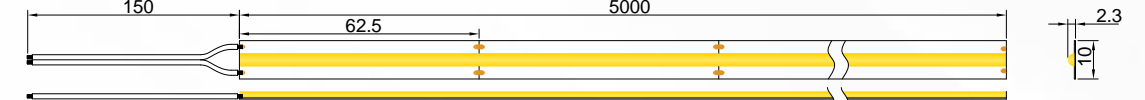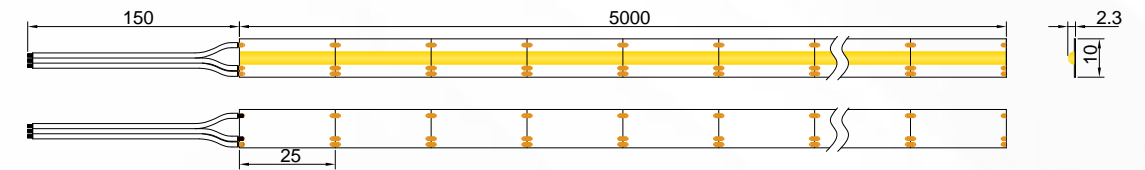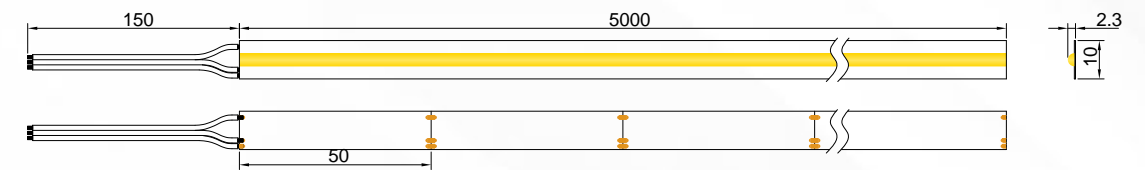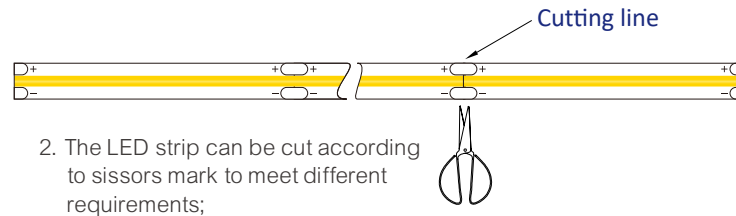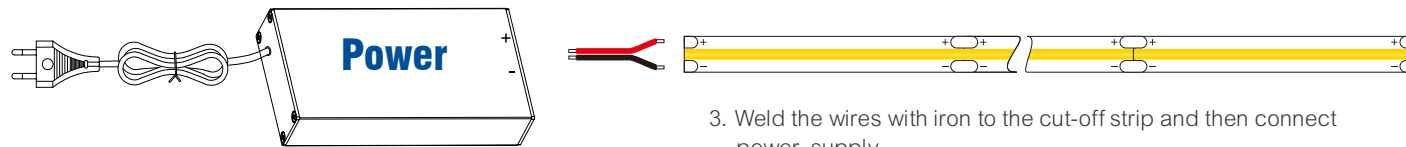
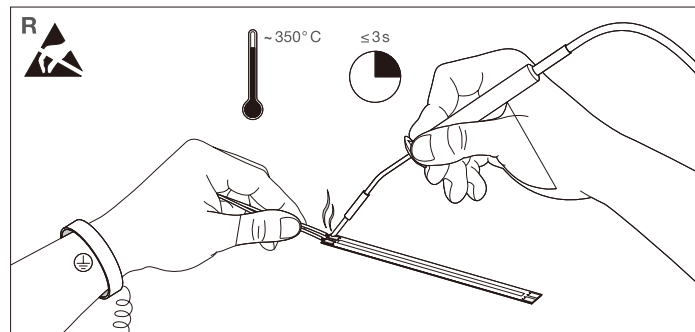# CONNECTING DIAGRAM

Power
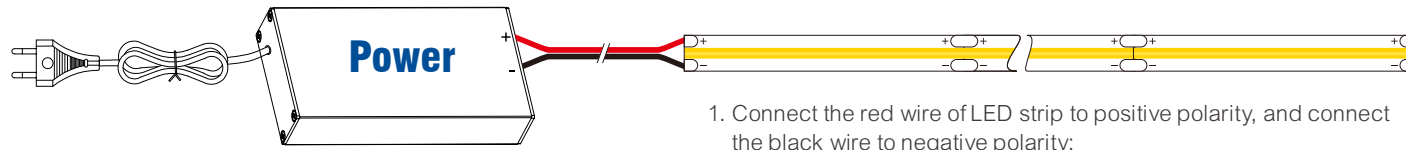
1. Connect the red wire of LED strip to positive polarity, and connect the black wire to negative polarity;
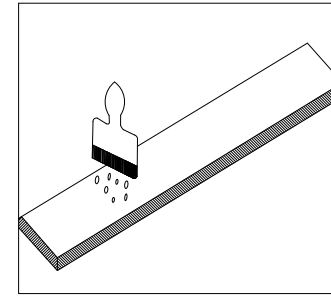
Cutting line

2. The LED strip can be cut according to sissors mark to meet different requirements;
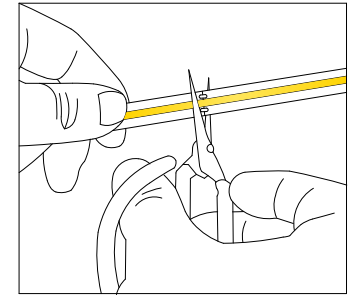
Power

3. Weld the wires with iron to the cut-off strip and then connect power supply.
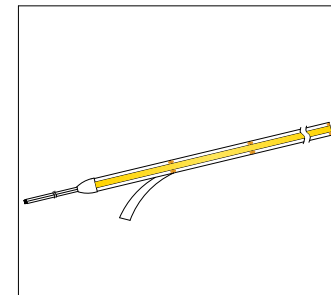
R

~350°C   ≤3s
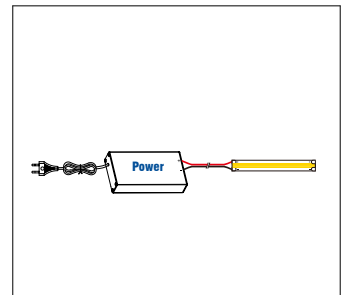
INSTALLATION INSTRUCTIONS

Clean the installation surface

Measure the length you need to install, cut at the nearest scissor mark line. For the left led strip, weld at the next scissor mark to connect with other connection wire.

Do not pull the whole led strip from the back release paper by one time. No press on the leds.
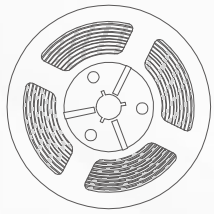
Connect the red wire of LED strip to positive polarity, and connect the black wire to negative polarity. Connect power supply.
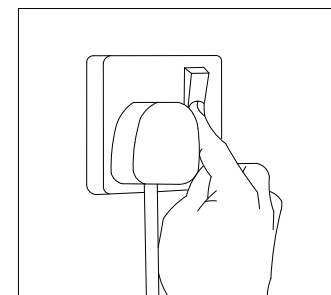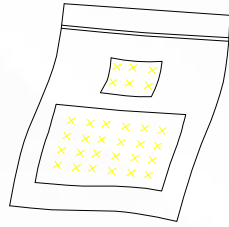
Switch on power supply
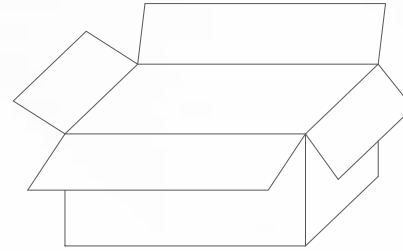Enjoy your life with the lights

PACKAGING INFORMATION

LED strip   Anti-static bag   Packing box

INSTALLATION REQUIREMENT

- The LED strip and accessories can't be squeezed or folded.

- PCB conductive parts can't be damaged when installation.

- Installation must conform to electrical safety standard. The LED strip can only be installed by professionals.

- Ensure power supply transform operating load with transformer.

- When install on metal or conductor surface, insulation protection need to be provided to the contact area.

- Observe positive and negative polarity, ensure correct connection to avoid damaging LED strip.

- When installing, please prevent static electricity.

- The product need anti-corrosion environment, such as, avoiding damp, water drop or other adverse elements.

No contortion of the led strip

No bending with Diameter <1cm