

# COB & CSP SERIES

COB 400LEDs/m 4W/m

- COB**
- DOTS FREE**
- Ultra Narrow**
-  **12VDC**
- PCB 3MM**
- 5M REEL**



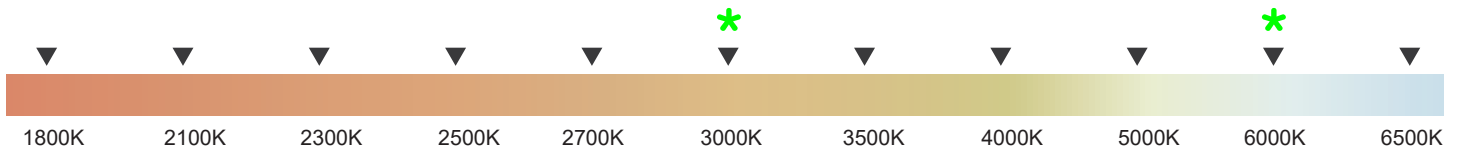
VCOB-FE12I-X



## Product Features

1. Beautiful linear effect with big beam angle 180°.
2. Adopt brand LED chip, achieving competitive quality and good brightness.
3. Only 3mm PCB width, suitable for more special places.
4. Warranty: 3 years.

## CCT Option



\* Stock



Lighting Effect



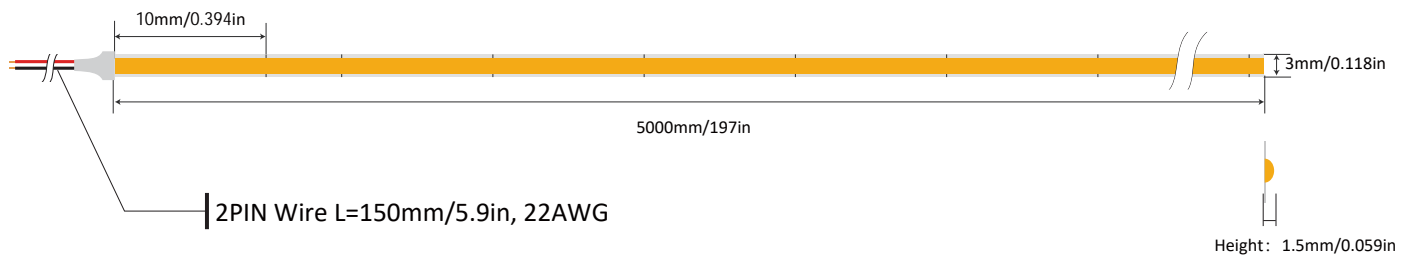
Lighting Effect

## IP Rating Option



Non-Waterproof

## Dimension(mm/inch)



Length/Reel	Width	Height	LED Spacing	Min. Cutting
5000mm/197in	3mm/0.118in	1.5mm/0.059in	/	Every 10mm/0.394in (4LEDs)

### Note:

LED strip length tolerance is  $\pm 0.2\%$ mm.

Width tolerance is  $\pm 0.2\%$ mm.

## Data

Part Number	Working Voltage	Power	Current	LED Qty	CRI
VCOB-FE12I-X	12VDC	4W/m	0.333A/m	400LED/m	90+
		1.22W/ft	0.102A/ft	≈122LEDs/ft	

X=30,60

CCT (°K)	Luminous Efficiency	lumen	Maximum Length
2700K	90lm/W	360lm/m(110lm/ft)	5M(1.524ft)
3000K	90lm/W	360lm/m(110m/ft)	5M(1.524ft)
4000K	96lm/W	384lm/m(117lm/ft)	5M(1.524ft)
6000K	96lm/W	384lm/m(117lm/ft)	5M(1.524ft)
Red/Green/Blue	/	/	/
1800K-2500K	/	/	/

## Note:

The data base on IP20 non-waterproof.

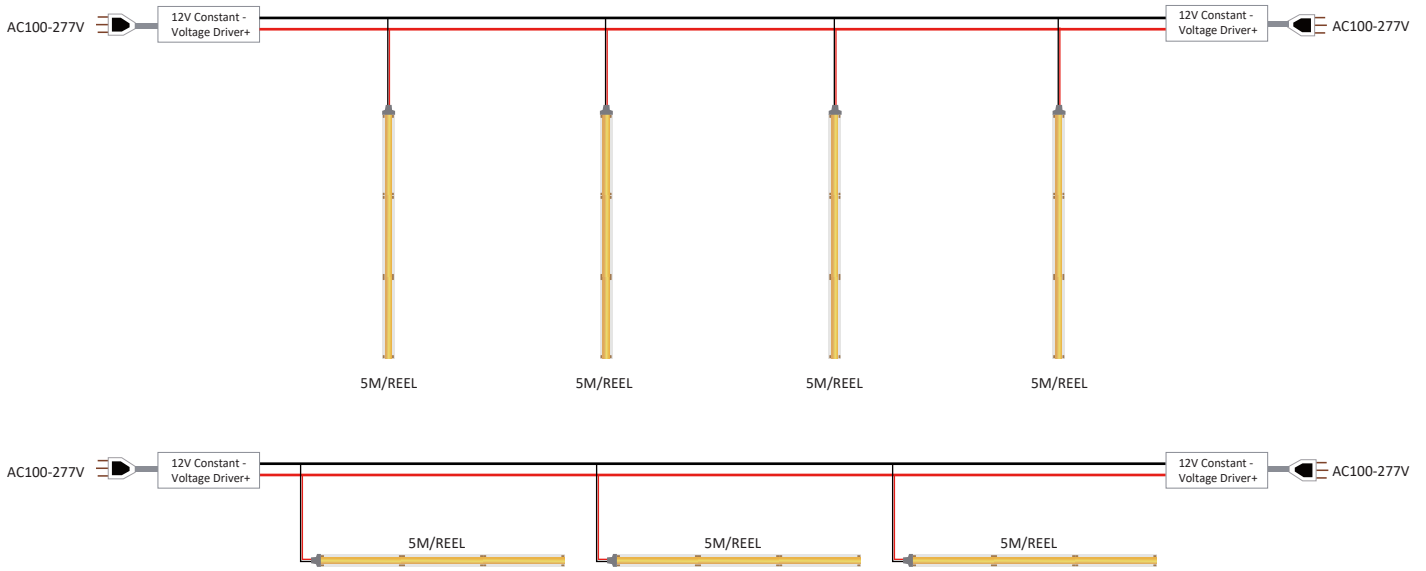
The Lumen output value tolerance ±5% due to testing way.

The CCT will be ±150K tolerance.

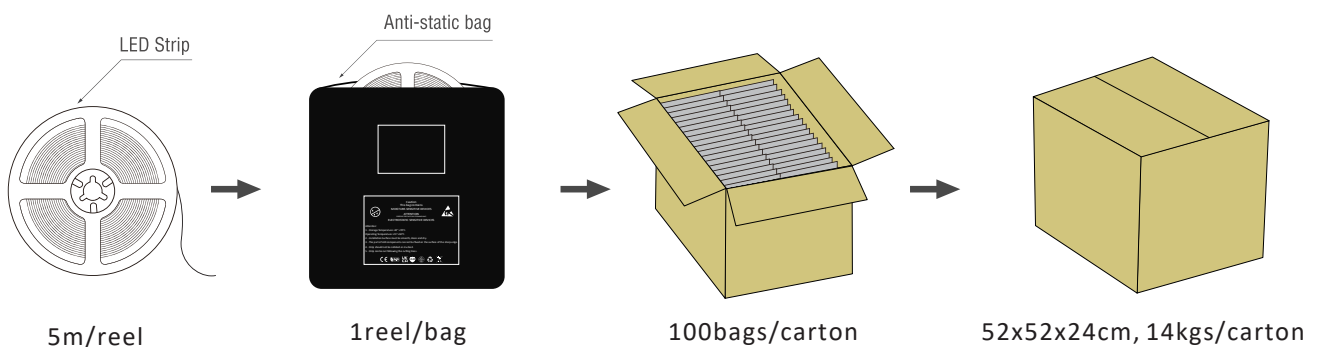
## Absolute Maximum Ratings

Parameter	Symbol	Value
Thermal Measurement Point	T <sub>c</sub>	80°C/176°F
Operating Temperature	T <sub>opr</sub>	<80°C/<176°F
Storage Temperature	T <sub>s</sub>	-20~+ 60°C/-68~140°F
Number of FPC Connection		

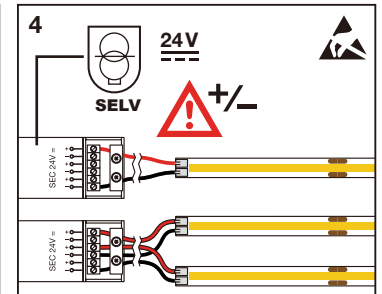
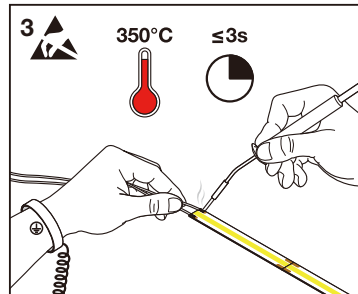
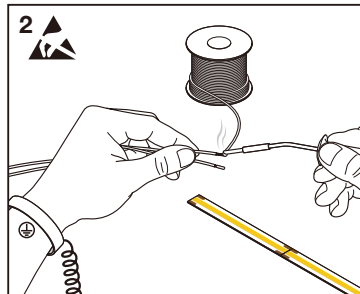
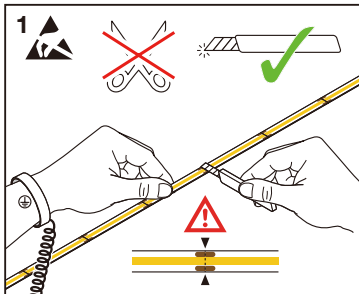
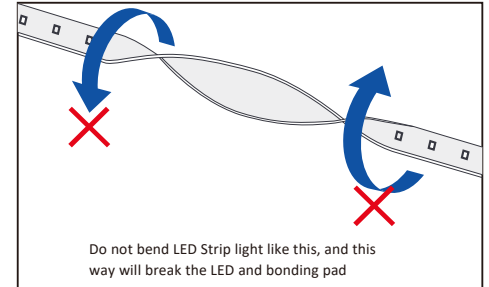
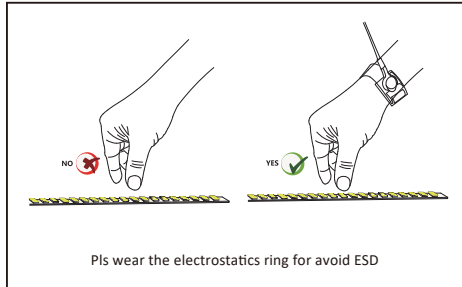
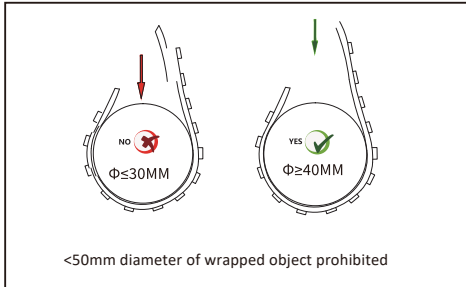
## Wiring Diagram Application



## Packaging



## Cautions



## Safety & Disclosures

1. Do not install the led strip in environment where excessive heat may occur.
2. Only use copper wiring. Use wires rated for at least 176°F(80°C) and certified for use with
3. Do not install IP20 LED strip products in outdoor / wet location environments.
4. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
5. Improper wire selection and installation could overheat wires, and cause fire.
6. Do not connect directly to high voltage or AC power.
7. Installation must be in accordance with local and national electrical code regulations.
8. To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician.