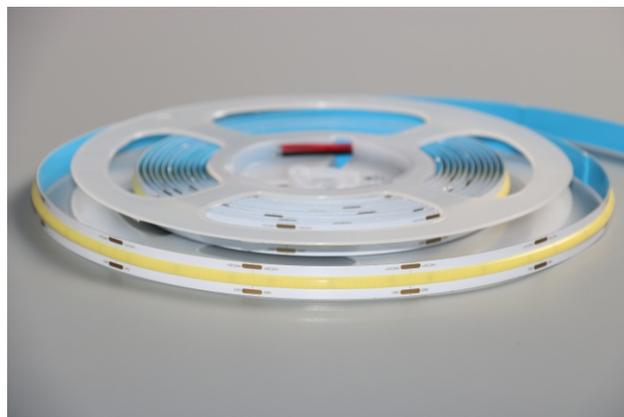


Flexible LED strip, 320LEDs-COB-Mono-5m , IP20

Item Code:COB320208xx2NBT

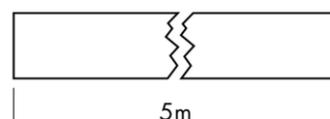
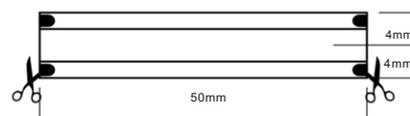
- COB Design, with more chips on PCB, more even light.
- Mono color design
- Double layer 2oz PCB, balancing voltage drop, heat dissipation and flexibility.
- High flexibility – adaptable to round shapes.
- To achieve uniform light in a low profile can be difficult, but this is where the COB Strip comes in.



Technical Data

Dimensions & Weight

Length	5000 mm
Width	8 mm
Height	2.4 mm
Product weight	0.091 kg(5m)
Cutting possibility (each)	50mm(12V/24Vdc)



Electrical Characteristics

Power	8W/m
Input voltage	12V or 24V DC
Input current	
Connection possibility	wire with open ends
Protection class I, II, III	III

Light Technical Data

Colour Designation	Mono
Colour temperature	800lm±10% (White), Red(620-630nm); Green(520-530nm);Blue(450-460nm)
Luminous Flux	800lm/m
Beam angle	120°
LED type	COB
LED quantity	320

* The above measurements are based on IP20.

Absolute maximum ratings

The LED will get damaged and the lifetime will decrease when you overrun absolute maximum ratings.

Working temperature	-15°C - +45°C
Storage temperature	-25°C - +45°C
IP - Code	IP20

*The above measurements of watts, brightness and efficiency allowance tolerance ±10%.

Flexible LED strip, 320LEDS-COB-Mono-5m , IP20

Item Code:COB320208xx2NBT

General product data

Environmental Characteristics

Energy Label	A
Energy consumption	45 kWh/1000h

Lifespan

Lamp life time	60000 h
Luminous flux end of lifetime	0,70
Number of switching cycles	30000

Instructions for mounting and safety

Don't run the stripe when it is on the role.

Please take care during installing for the correct polarity (V+, V-) and do also use the right power supplies with the following safety measures:
SELV (Safety Extra Low Voltage), overload protection and short-circuit protection.

You can cut the LED stripe with a cutter at the marked cutting points on the stripe. An extension is not possible.

Mounting on an aluminum profile is recommended in order to optimize the heat dissipation.

Be careful when you install the LED strips on conducting surfaces, because the solder contact can cause a short circuit.

Avoid buckling the stripe because the PCB board can be damaged.

IP20 Protection against penetration of foreign objects > 50 mm. No protection against penetration of water.



Lightings of Protection Class III
Luminaire in which protection against electric shock relies on supply at safety extra-low voltage (SELV) and in which voltages higher than those of SELV are not generated.



Because of the complex manufacturing process of the LED the above shown data are just a statistical size, which is not forced to be the realistic data of every LED.



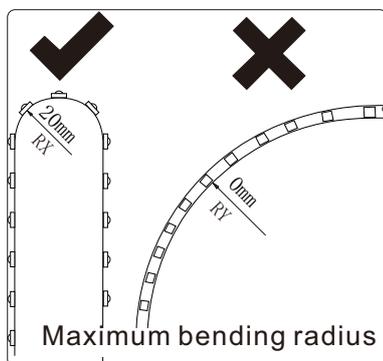
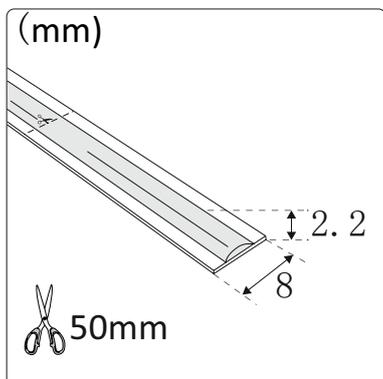
The light source of this luminaire may only be replaced by the manufacturer or by a service technician appointed by him or by a comparable qualified person

Flexible LED strip, 320LEDS-COB-Mono-5m , IP20

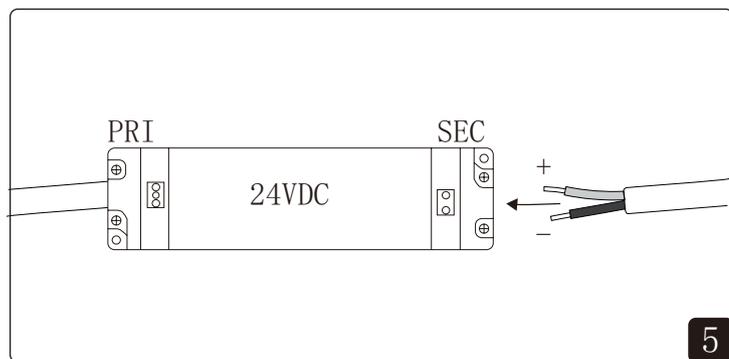
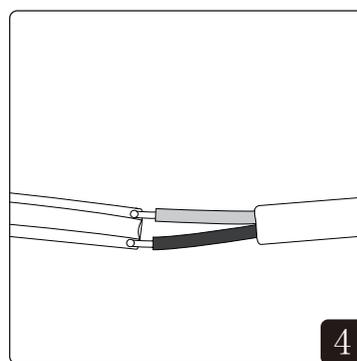
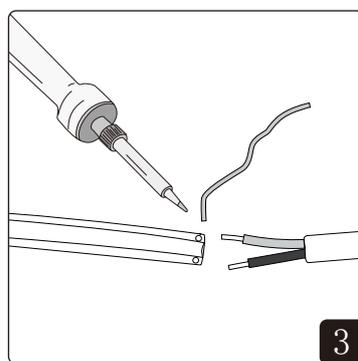
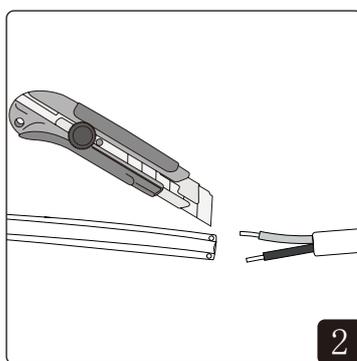
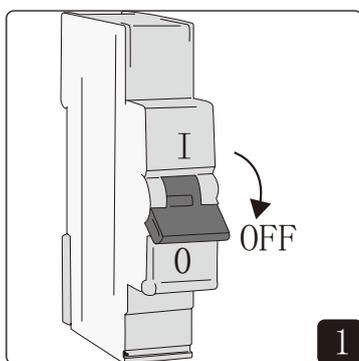
SAFETY INSTRUCTIONS

Please read these introductions carefully before commencing installation and retain for future reference. The luminaire should be installed in accordance with local regulations.

Make sure that the power is off before installation or maintenance.

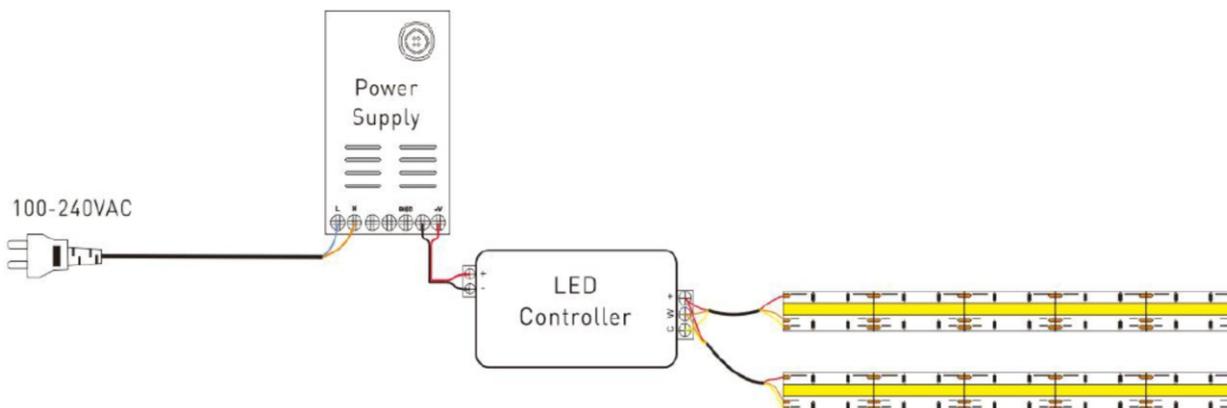


Installation



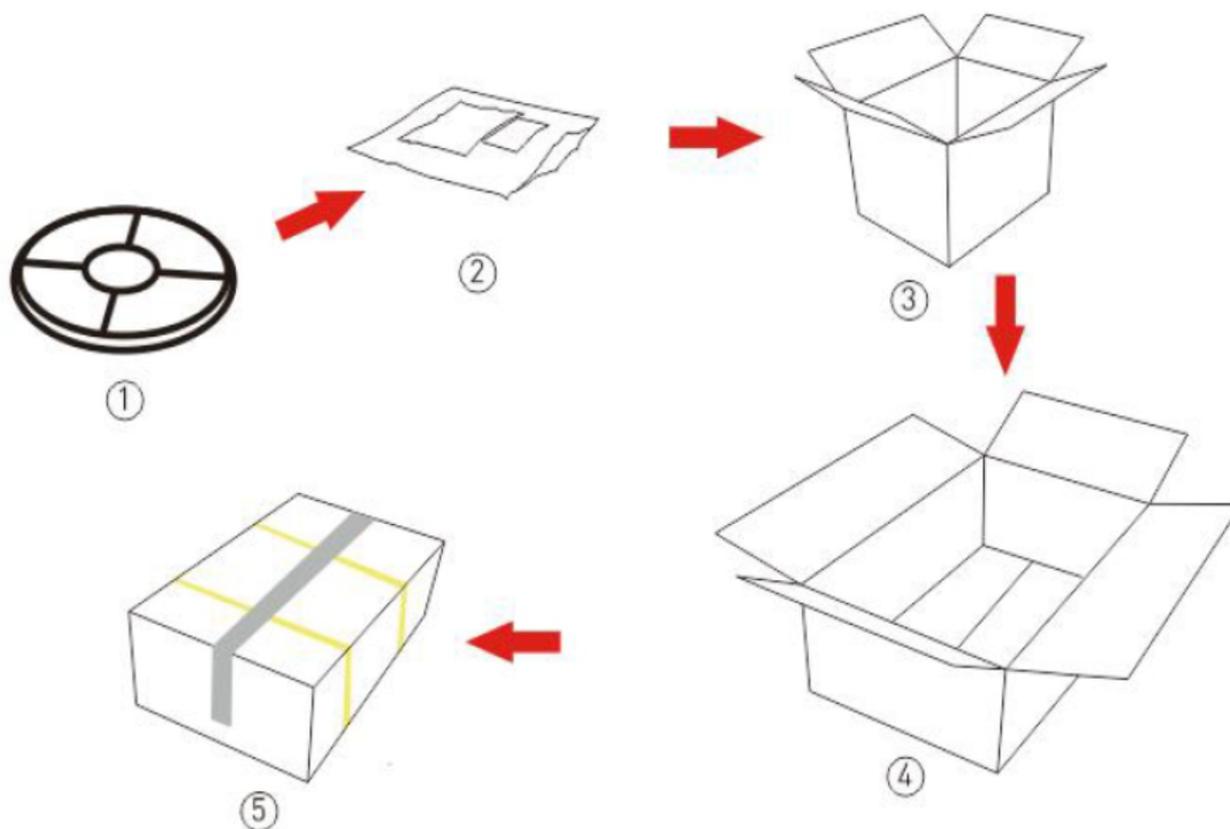
Notices:

- * The max running length is 5 meters, for over 5 meters please connect in parallel.
- * Make sure of the total watts of COB Strip lights is less than 80% of the power supply's max output.
- * Match the polarities according to the mark ('+' and '-') in the PCB while connecting.



Waterproof ways available

Waterproof Ways	IP Rating	Details
	IP54	PU or Silicone glue on the surface of the led strips.
	IP65	Injected with Silicone Tube
	IP67	IP67 Extrusion, Integrated Silicone
	IP68	Solid Integrated Silicone glue or silicone glue with silicone tube



1-5 meters per roll.

3-25 rolls into a inner box(30cm x 24cm x 26cm).

2-Each roll packed with anti-static bags, and label 4.5 H2 inner boxes into a large carton (50cm*30cm*29cm)