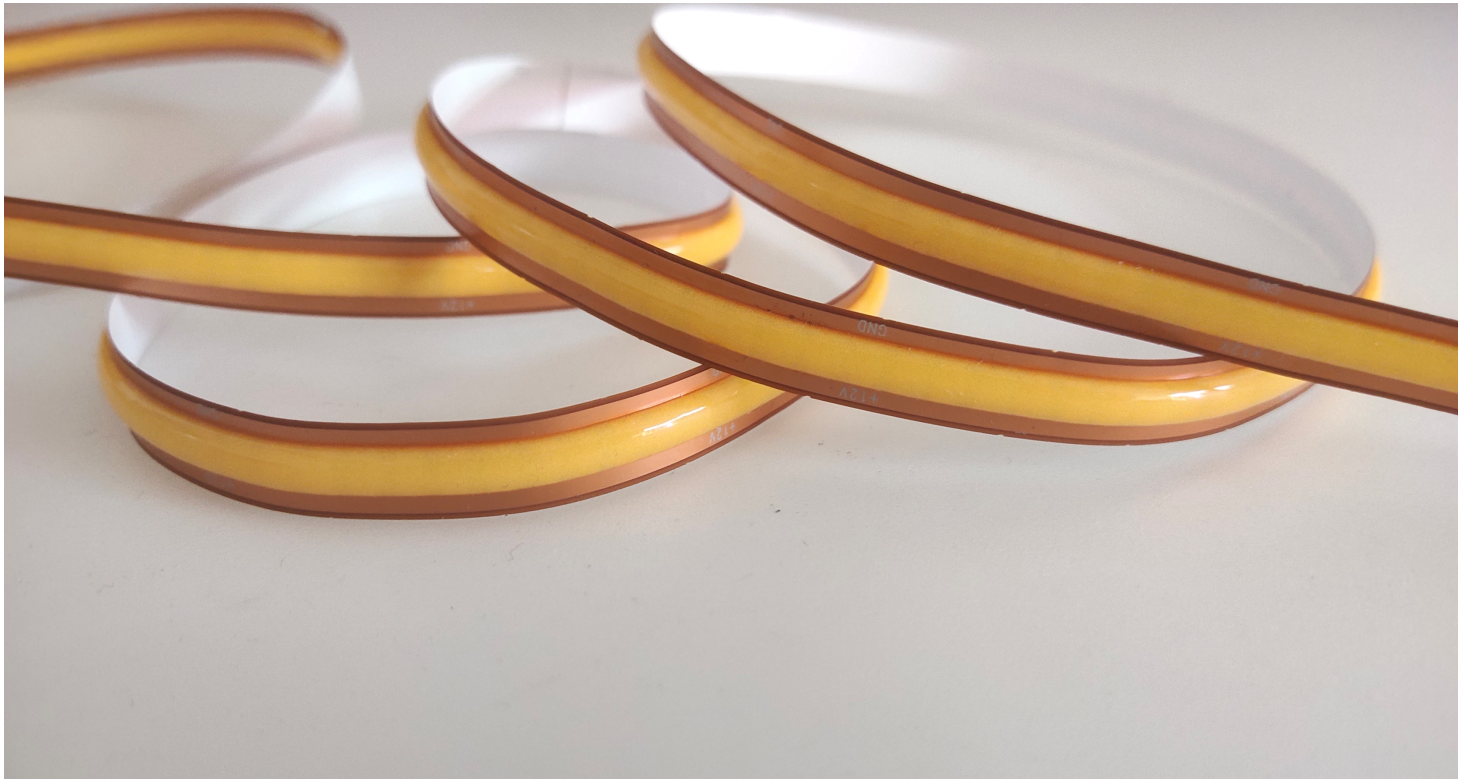Model: RL-STR-COB-528-12V 24V-8mm -IP20
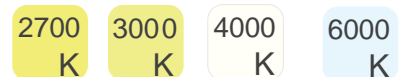
Flexible cob led strip

PRODUCT SPECIFICATION

Key Feature

◆　Zero light spot, Even light;

◆　High Efficiency　>100Lm/W

◆　50,000 hours Lifetime, 3 years warranty

◆　Multiple Color Option : 2700K ~ 6000K

◆　Only one Bin, SDCM<6, or SDCM<2 available if you have requirment

◆　CRI Option: Ra>95+, Rf>95 and Rg=100 all available

◆　2OZ Pure copper PCB board

| 2700 K | 3000 K | 4000 K | 6000 K |

Rose Lighting

RoHS CE

Advantages :

·Zero light spot, Even light;

there is Even and soft light radiation,
no glaring and no lighting spot,very bright for cob led strip,

a good replacement of smd 2216 ,2110 2835 led stripÿ
·Flip chips, COB encapsulation techology without wire bonding;
·Flip chips has bigger pole for higher current,wore more stable;
·3 years warranty

Notice:

Safety Input Voltage: DC 24V

Size of each section is   1mm , and cutting at "scissors symbol" place.

LED Strip length's length tolerance is ±0.2%mm, width tolerance is ±0.2mm.

Optical
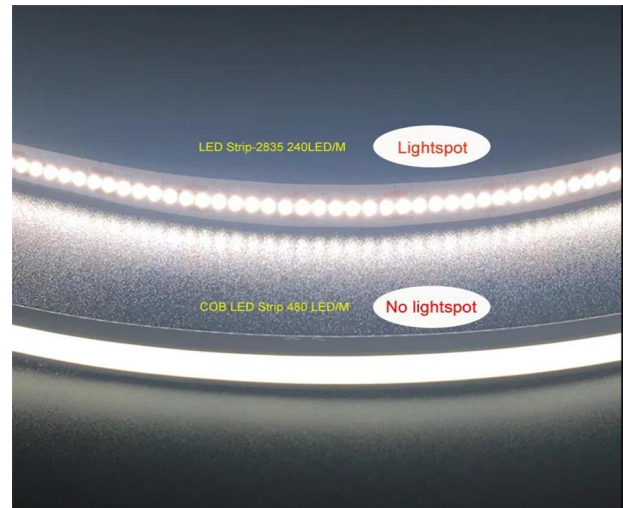
LED type:	cob		Input current/m:	0.54A/m
Color rending index:	Ra>90		Input Voltage:	DC24V
CCT Range:	2700K, **3000K 4000K 6000K**		Voltage Power/m:	13 W/m
			Static Electricity:	1000V(ESD)
Irritation angle:	128°		LEDs/meter:	528LEDs/m
Light Effciency:	100 Lm/w		Size of section:	1 mm
Lumen output/meter:	960 Lm/m			

Others

|	
Energy grade:	A+
Warranty:	3 years
Working hour:	50,000hrs lifetime for Tc<70℃
Working temperature:	-20℃ ~ +45℃
Working humidity:	40%-70%RH
Measurement:	L5000*W8 mm
Waterproof Rate:	IP20 Ip65 IP67 IP68

Descriptions:

◆ LED Strip can be used in many kinds of places as decorative lighting/backlight/,   such as Ceiling trough, Staircase, Hall walkway, Billboard, Advertising sign, Bridge, Shopwindow, Cabinet etc. ;

◆ LED Project Strip can be 20m/roll, or 30m/roll. 100% of the lamps will be tested and keep lighting for 24h testing its quality reliability, and we also test it temperature after 24 hours's lighting;

◆ We can provide with different Custom products, such as printing Customer LOGO on FPC, Custom Aluminum Foil Bag Custom carton box/connector/DC cable/, Customs FPC design/color/width etc.
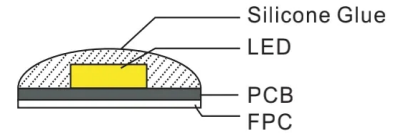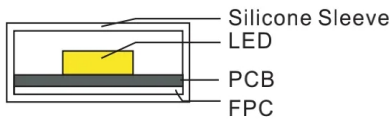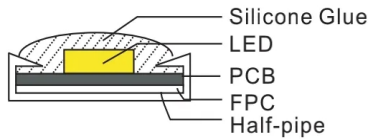
Waterproof Rate :
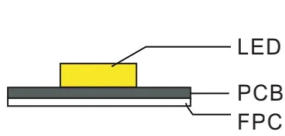
IP 20 Non‑waterproof
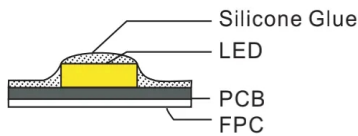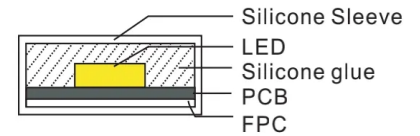

IP 65 Spray Silicone Coating

IP 65 Gel Coating

IP 66 Silicone Tube

IP 67 Half Tube+Glue Coating

IP 68 Glue Filling

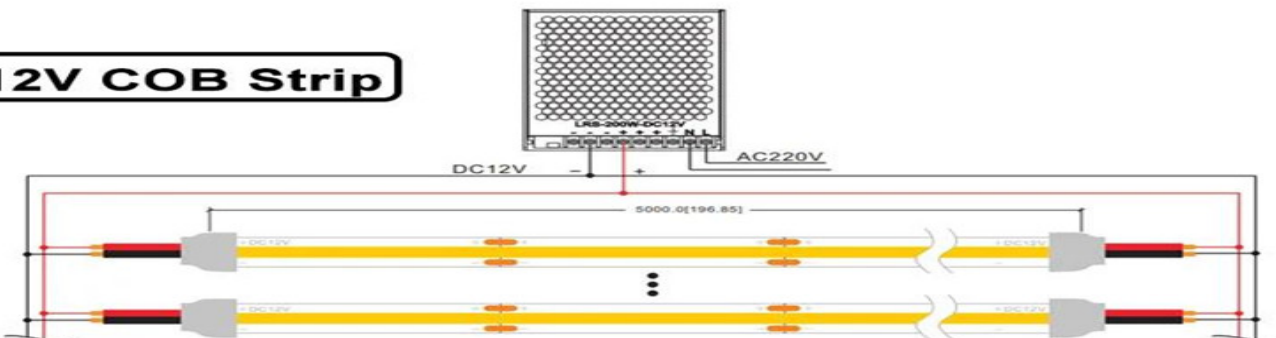## Wiring diagram application :

◆ Single end power input for 5meters
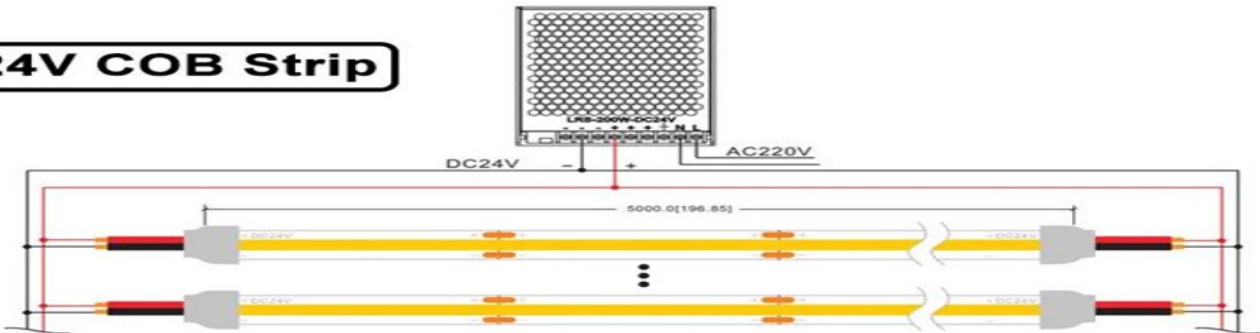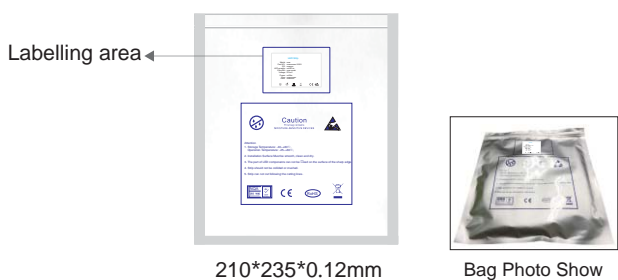
3M Adhesive Tape

3M 200 LSE Type
(Economy Type)

3M 300 LSE Type
(Mid-quality Type)

3M VHB RED
(High-quality Type)

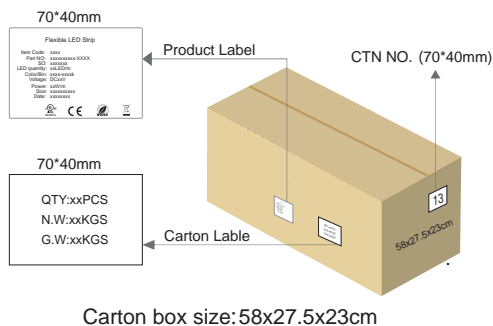## Packaging

Aluminium foil bag

Labelling area

210*235*0.12mm

Bag Photo Show

Plastic reel

LED Strip   Reel

5m/Reel

Reel Photo Show

Carton box

70*40mm

Product Label

CTN NO. (70*40mm)

70*40mm

QTY:xxPCS
N.W:xxKGS
G.W:xxKGS

Carton Lable

58x27.5x23cm

Carton box size:58x27.5x23cm

Packing Number

40pcs

1pcs

58x27.5x23cm
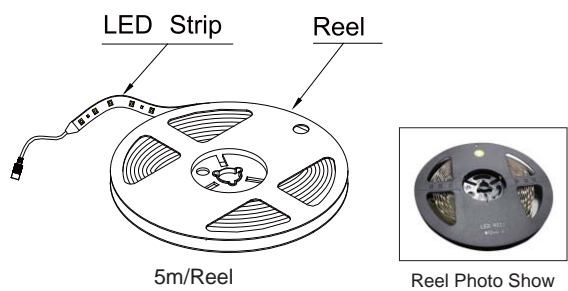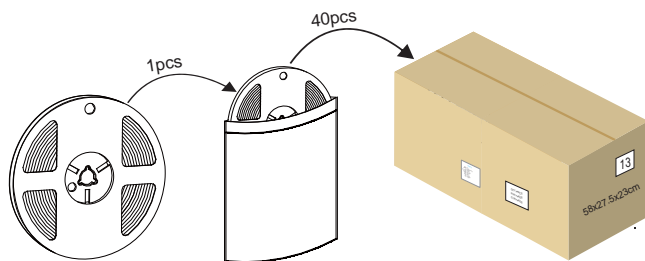
Strip Code :

Item code	Number of LED (m)	Voltage (DC)	Power (W/m)	CCT (K)	CRI (Ra)	Lumens Output (Lm/m)	IP Grade
RL-STR-cob-480-24V--8mm	480LEDs	24V	11W	2700K	80+	970LM	IP20
RL-STR-cob-480-24V--8mm	480LEDs	24V	11W	3000K	80+	1030Lm	IP20
RL-STR-cob-480-24V--8mm	480LEDs	24V	11W	4000K	80+	1100LM	IP20
RL-STR-cob-480-24V--8mm	480LEDs	24V	11W	5000K	80+	1150Lm	IP20
RL-STR-cob-480-24V--8mm	480LEDs	24V	11W	6000K	80+	1200LM	IP20

⚠ Cautions:

≤50 mm diameter of wrapped object prohibited
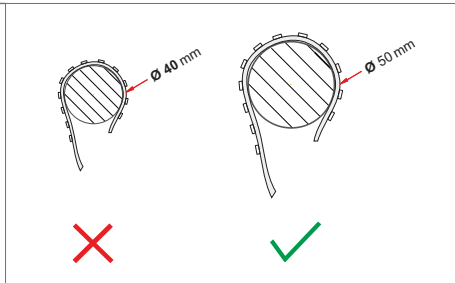
Touching LED, pls wear the electrostatic ring for avoiding ESD

Satety Information

Application notes for led flexiable strip

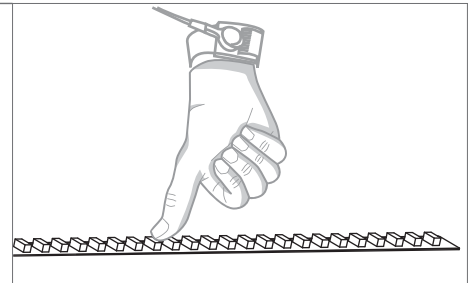> **In order to drive LED flexible strip lights safely, it is absolutely necessary to operate them with an electronically stabilised power supply protecting against short circuits, overload and overheating.**
>
> **To also ease the luminaire/installation approval, electronic control gear, power supply and all electronic accessories for** LED or LED modules should carry "CE, or UL" mark and meet the latest safety standard.

➢ Please use isolated power supply to drive the led strip,   and the constant voltage source ripple less than 5%.
  Can't step-down the power by resistance-capacitance and nun-isolated power supply driver led strip, etc.

➢ To ensure the longevity and reliability of the strips, please do not bend the arc diameter 60mm or less, do not fold
  to avoid damaging the lamp beads or broken.

➢ To ensure the life and environment of lights, in the use of force can not pull the power cord to avoid damage to prohibit collision LED lights.

➢ During the installation of positive and negative attention to the power cord, do not pick the wrong voltage power
  supply and the product are the same, so as to avoid damage to the product.

➢ LED lights should be stored in dry sealed environment, the proposed storage period should not be too long before
  using unpacking, the working temperature: -20 ~ + 45 , Storage temperature: -0 ~ + 60 , not waterproof lights
  band indoor use, relative humidity not higher than 70%.

➢ In practical applications, the power supply should leave 20% margin (recommend using only 80% of the power)
  in order to ensure a sufficient amount of voltage drive products

➢ Do not use any acidic, alkaline adhesive securement products (including not limited to glass, plastic, etc.)