



Product Specification

COB LED Flexible Strip

FLCOB-CV24480-10mm
Singles color

Made by	Checked by	Date	Product
Ada	Rongwei Li	2020.06.22	Led strip





COB LED strip is designed for spots-free led linear lighting, suitable with any kinds of led profile and silicon tube.

Feature

1. dots-free with uniform lighting
2. Efficacy Lumen upto 120lm/watt
3. Cuttable and solderless connection with crystal connector



Blue



Blue



Blue



Blue



180°



PWM



IP20/IP65/IP67



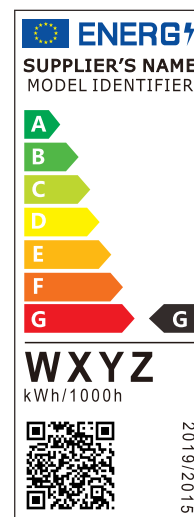
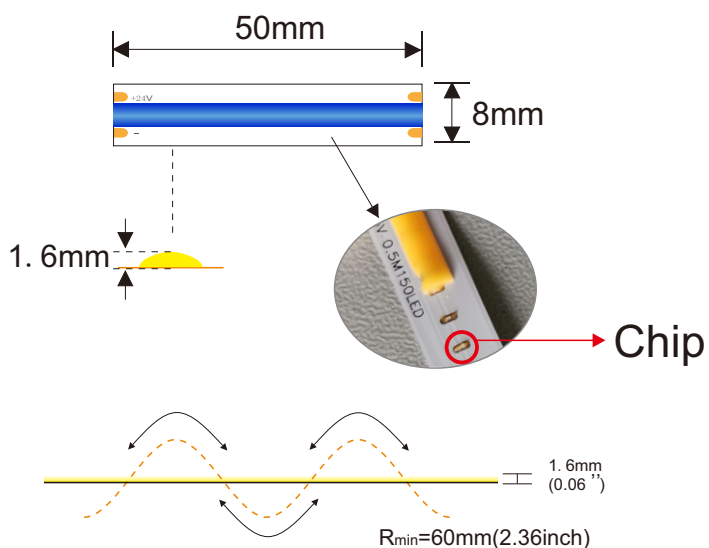
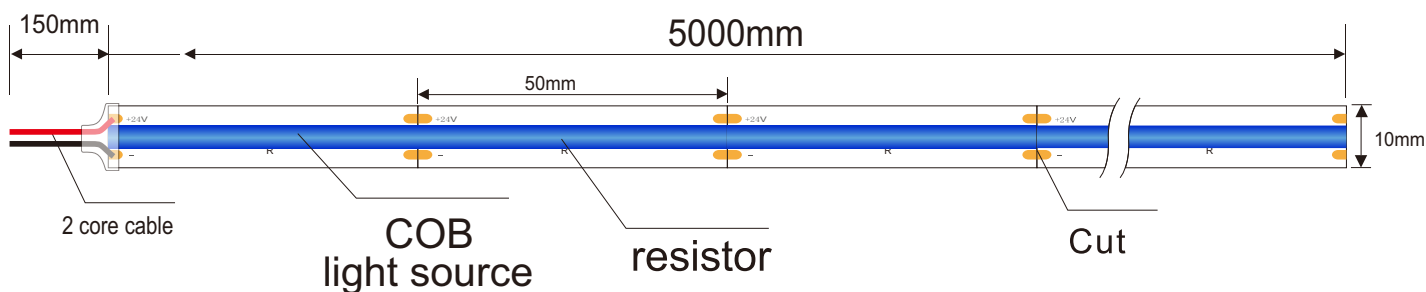
3 Step MacAdam

Light Source

wire inside chips	99.99% purity golden (1.0um or above diament)
chip size	big size chip with high output lumen
phosphor powder	Mitsubishi or Intermatrix phosphor powder
chip brand	Epistar or brand chip
LED lead frame	100% purity copper LED lead frame
PCB	35U cooper PCB/ double side PCB/ back side of PCB is protection layer
Bin code	one order, one small BIN Code only, and ledhome can promise you sereral orders from same one Bin
3M tape	300P genuine 3M tape /3M VHB tape
age testing	ledhome strip take at least 8hours aging-test
QC Checking	3 times QC checking(SMT + PCB jointing+ after aging testing) before packing



Dimension:



Basic Parameter:

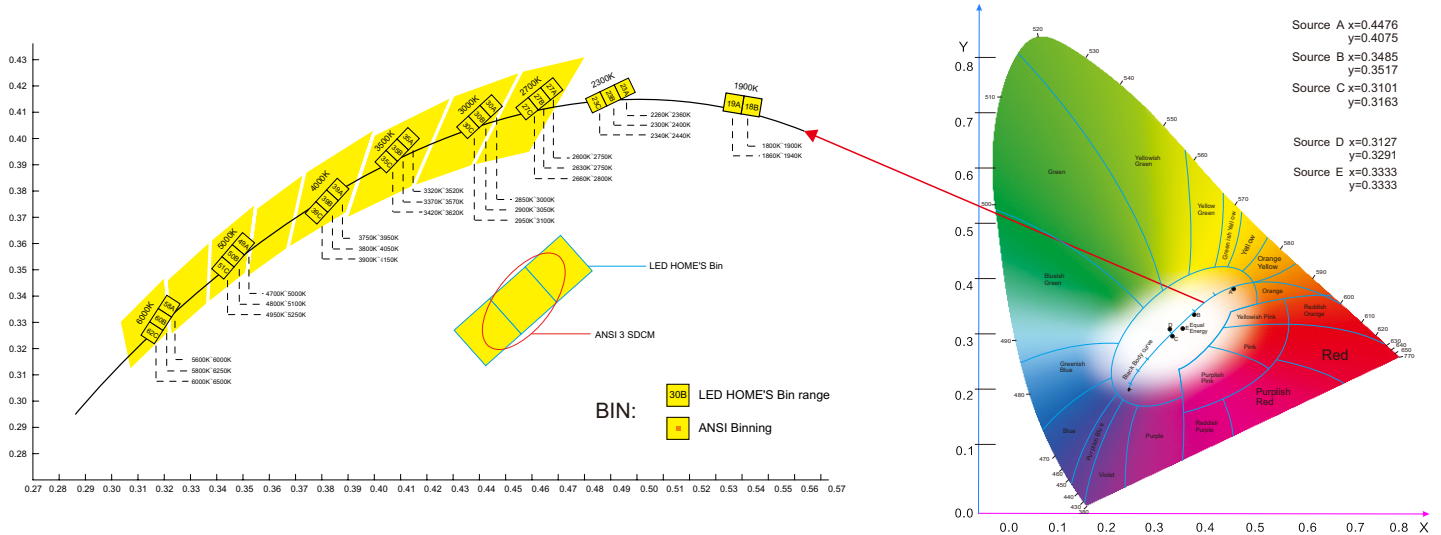
P/N	LED QTY (PCS/M)	Votage	Power W/m	Color	PCB size (mm)	Lumen lm/w	Lumen CRI>80	Energy efficiency class (IP20)	
								Ra>80	Ra>90
FLCOB-CV24480-10mm	480	CV24V	12W	Blue Red Green yellow	10	/	/	G	G

All above parameters were given based on naked strip without additional heat sink.

Product Parameters

Spectroscopic standard

Ensure customers to get the same bin for different orders by using CIE(X,Y) coordinate spectrometer

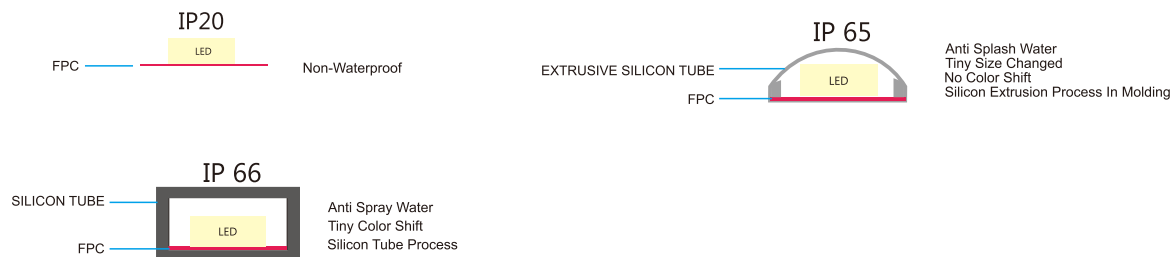


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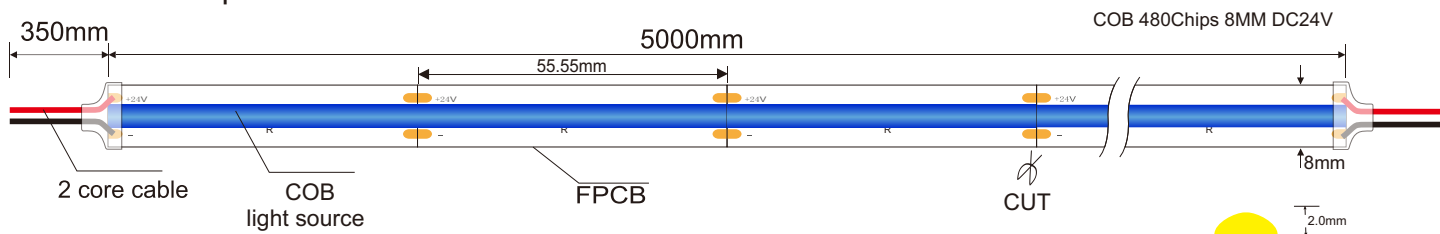
Item:	COB led strip	Driver:	External led driver
Qty Chips:	480chips/m	Mains voltage (V):	DC 24V
Color:	Blue/Red/Green/yellow	Control gear type:	CONSTANT VOLTAGE DRIVER
PCB width:	10mm	Ref:	MEANWELL
Light controller type:	0-10V/1-10V/DMX/DALI/Triac	Emergency availability:	/
Light Decay:	2% @ 6000Hours	Chip:	Epistar or other brand chips
Operating Temperature:	-25~45 degree	Light emission:	180°
Lifetime:	(Lm80) 50000 HRS @45degree	Deviation (SDCM):	3step MacAdam ellipse
Mounting:	3M adhesive tape	BIN:	ONE BIN Only
Max running length:	10meter (two side feed)	Warranty:	5 years
Luminaire in:	CLASS II/III		



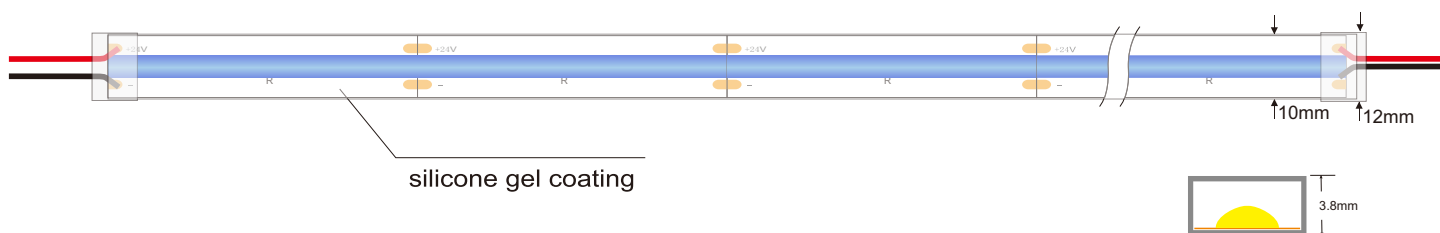
IP Rate Drawing:



COB 480Chips 8MM DC24V IP20



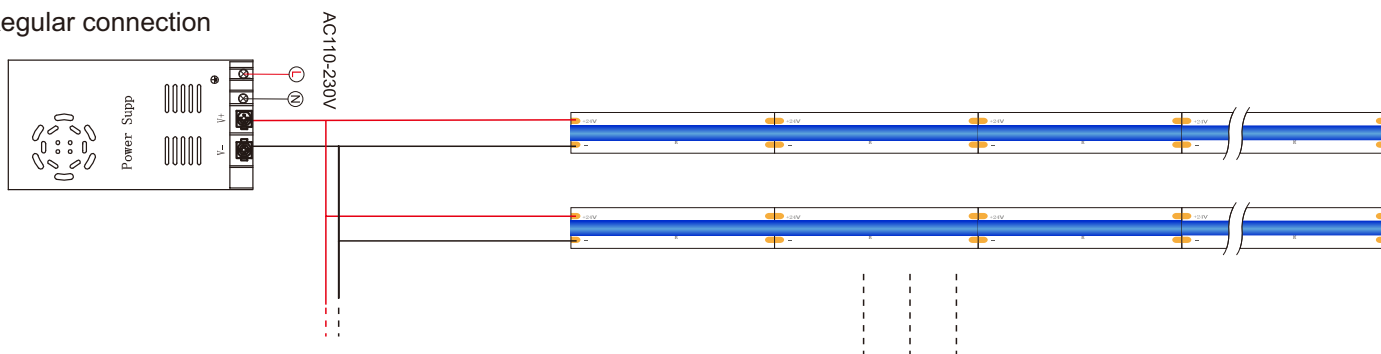
COB 480Chips 8MM DC24V IP65/IP66



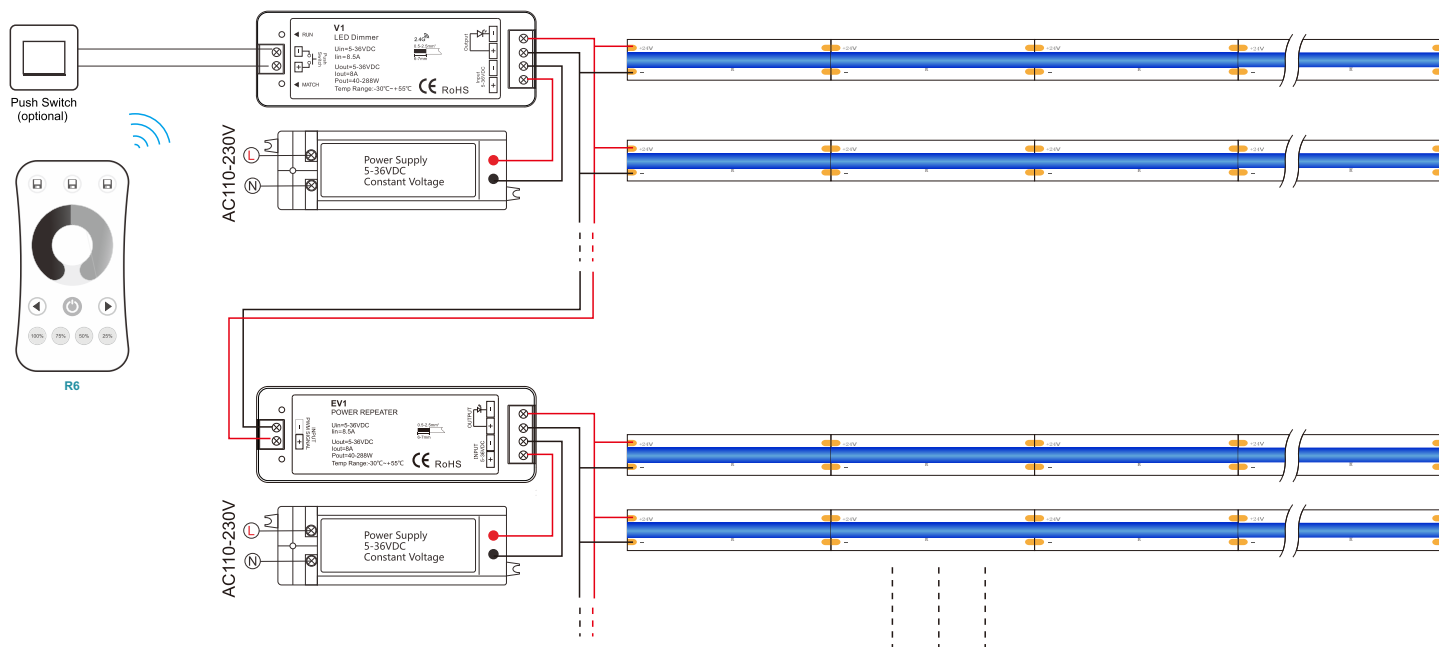


Installation Diagram:

1. Regular connection

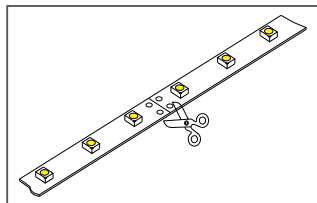


2. connection with dimmer

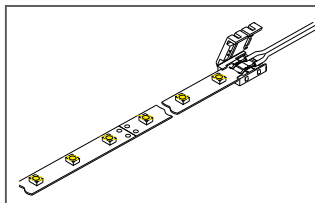




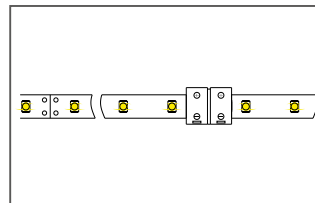
Installation:



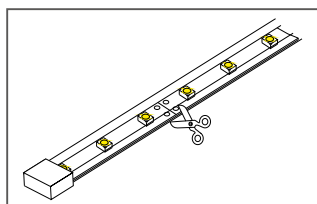
1. Cut in specific location



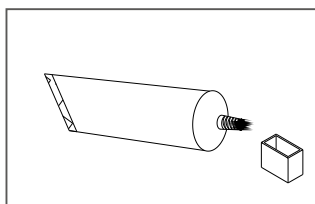
2. Put the PCB in the space between clip and connector, make the clips exactly aim at welding point



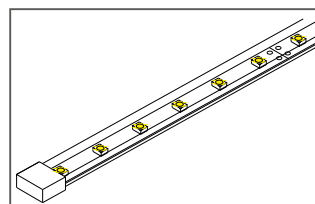
3. Close the cover of connector



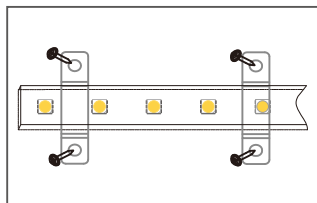
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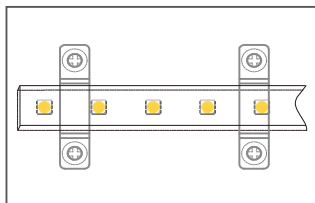
2. Infuse the gel in the end cap



3. connect the end cap and wait for air drying

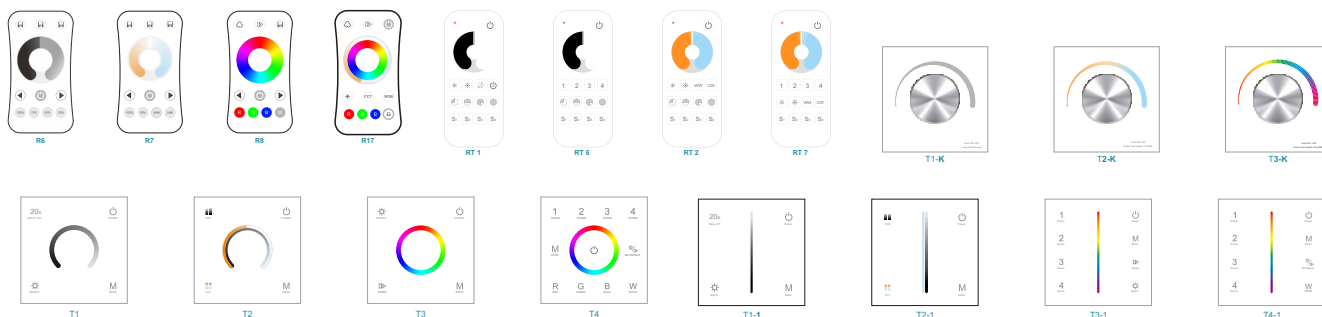


1. Install with clips



2. Fix with screws

Accessories:

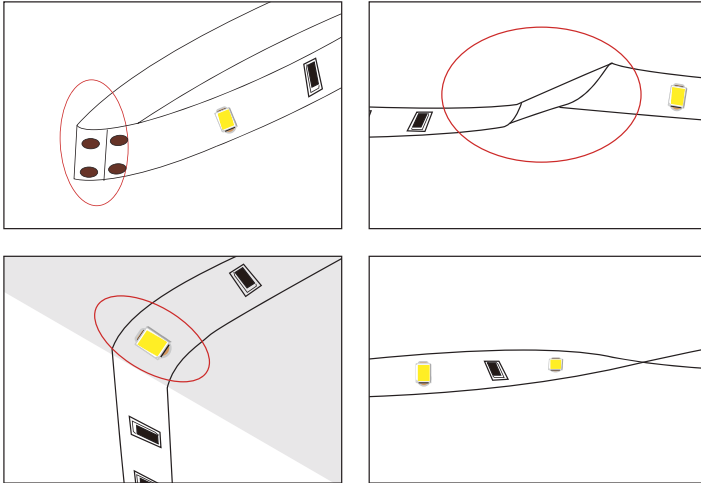




Cautions

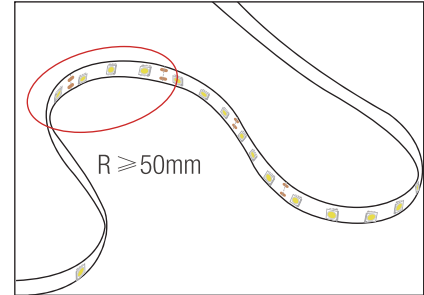


When install the led strip, please note the installation technique. The led strip can be bent, but not distorted, as shown below.



Distortion(Wrong)

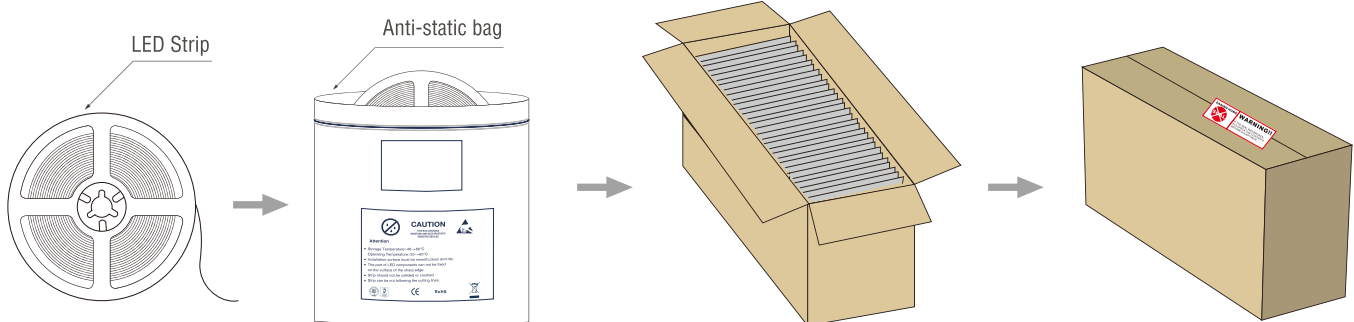
LED strips are low voltage products, you must use the power supply(transformer). Please don't connect the led strip directly to the AC 110v or AC 220v, otherwise it will burn out the LED strips.



Bend(Right)

Clean up the installation surface, it will ensure the reliability of the adhesive. The electrical connection process must be operated by a professional person.

Packing:



Notice:

- 1、 Please apply different IP rate products according to different environment conditions;
- 2、 Adopt suitable power supply to match the LED strips. Power is 20% bigger than max power of LED strips to ensure long time performance of power supply;
- 3、 Do not install it when power is on. Before powering on, please make sure the wiring is correct;
- 4、 Avoid privately changing or damaging the circuit or other component on the strip;
- 5、 Avoid scrape or bending during installation, it might be damaged with non repairable status;
- 6、 Strip linked in over long length would lead to problem of overload or uneven brightness;
- 7、 To protect your eyes, do not stare at the light for a long time while it's illuminated;
- 8、 Only professional personnel can install, dismantle and repair;
- 9、 Choose different connectors and controllers according to your different strip.