



DEVRY GROUP LIMITED

2nd Floor, C block, Qiao Tong Yuan Ling Industrial Park, Shi Yan Town, Shenzhen, Guangdong Province, China.

www.dv-led.com/en Email: sales@dv-led.com



Product Name: 20M Cascade COB Strip

Item No: DV-COB-210-CC

One BIN ONLY	CE	ROSH
2/3 Years Warranty	Ra 80/90 Available	DC12/24V





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Description

COB flexible light is used widely in Letter Signage as back light, Inner decoration, Auditorium walkway lighting, Landscape decoration, Shop fitting. COB LED strip is a kind of strip that the flip-chip is directly fixed on the flex PC, which directly encapsulates flip-chip as lighting application without the bracket and gold wire needed for LED encapsulation. The combination of SMT technology and encapsulation technology is conducive to realize full automation and high efficiency of production. It has a wide angle as 180° .

Chips-on-board design, dot free even without any profiles.

Double layer 2oz PCB, balancing the voltage drop, heat dissipation and flexibility.

Constant current design, 20 meters running by only one-end power with no brightness drop.



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Features and Advantage

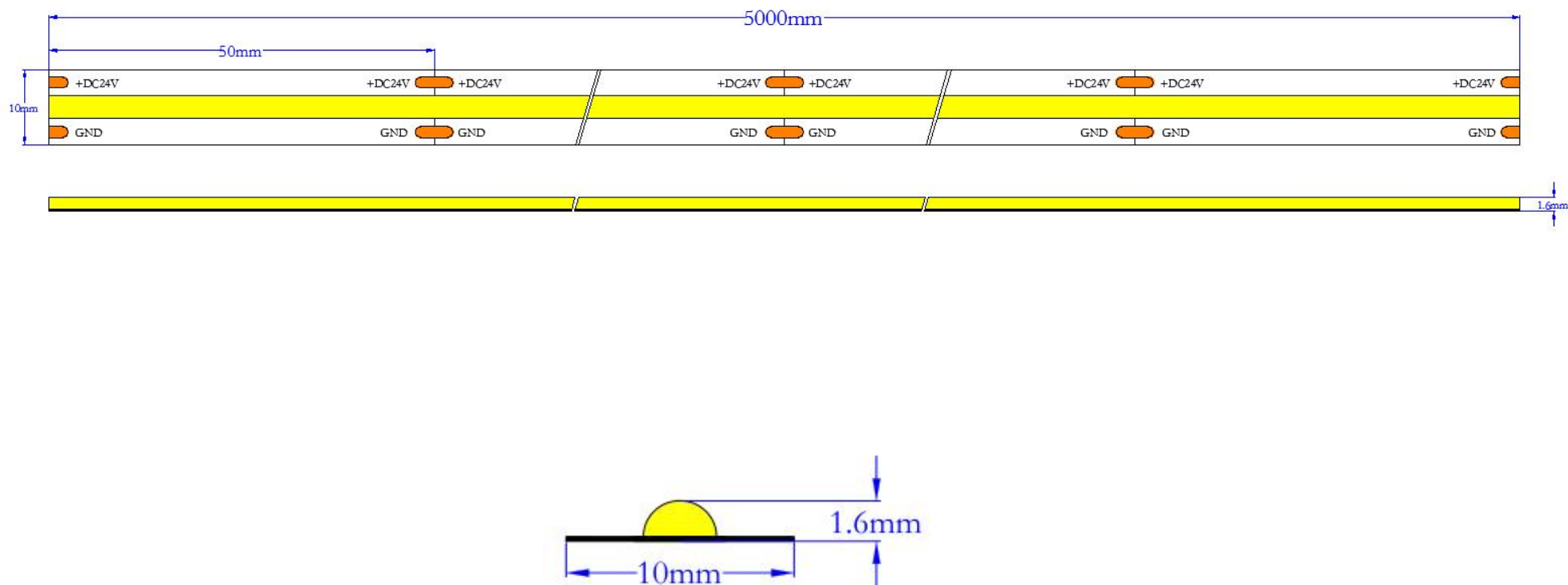
- * COB Strip is no dot LED strip, 180 degrees angle, even light. Uniform illumination.
- * It has a Long Lifespan more than 50,000hours.
- * Various color as 2700K, 3000K, 4000K, 6500K.
- * This is low voltage, safety,DC24V.
- * Ultra-low light decay.
- * Decade is 5meters.
- * Waterproof degree, IP65, both Indoor & Outdoor use.
- * Adopt brand LED chip, high brightness. High lumen.



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Dimension:





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Compare

COB LED Chip Super brightness
Double sided F board + Large resistance



SMD LED Strip **COB LED Strip**

Color temperature



6000K 4000K 3000K





Code	DV-COB-210-CC							
Input Voltage	24Vdc							
Power	7W/m							
CRI	Ra 80+				Ra90+			
CCT	2700K	3000K	4000K	6500K	2700K	3000K	4000K	6500K
Lm/M	595	630	665	700	490	525	595	630
Lm/W	85	90	95	100	70	75	85	90
Size	W 10mm H 1.6mm L5,000mm							
Cutting Length	50mm							
Max Cascade length	20Meters							
Working Temperature	-20°C - 40°C							
Storage Temperature	-20°C - 45°C							
Warranty	3 years							



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Waterproof Ways

Cross Section	IP Rating	Details
	IP54	PU or Silicone glue on the surface of the led strips.
	IP65	Silicone Tube or heat-shrink tube
	IP67	IP67 Extrusion, Integrated Silicone
	IP68	Solid Integrated Silicone glue, or silicone glue with silicone tube

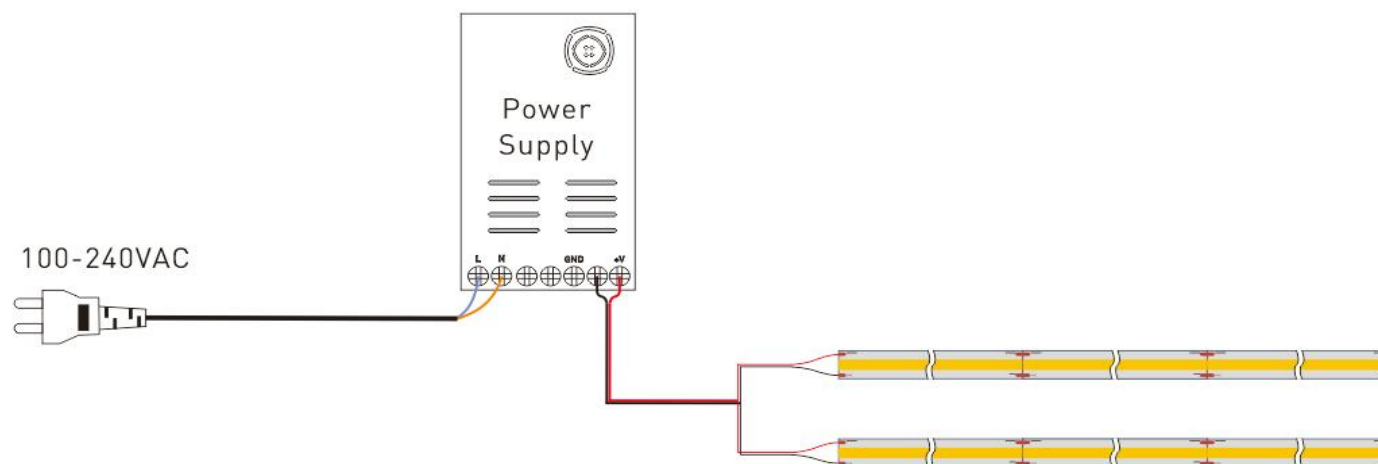


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Installation Ways



- * The max running length is 20 meters, for over 20 meters please connect in parallel.
- * Make sure of the total watts of LED 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.



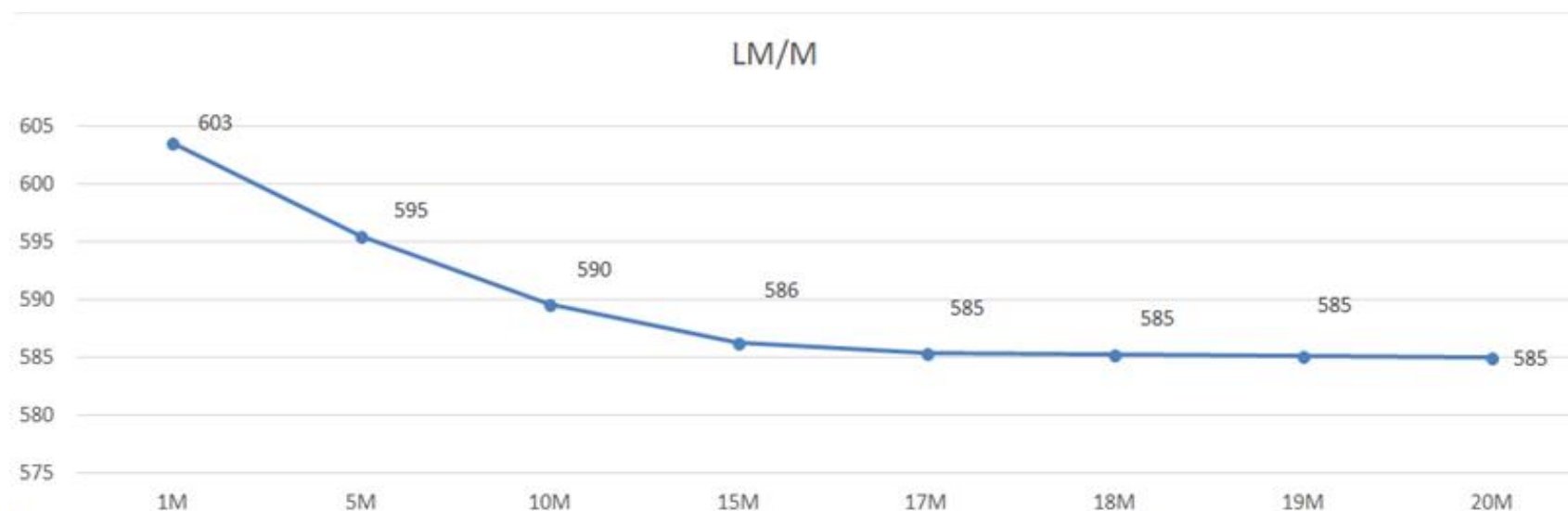
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Brightness Consistency

The following charts shows the parameters on each meter based on 20M length.



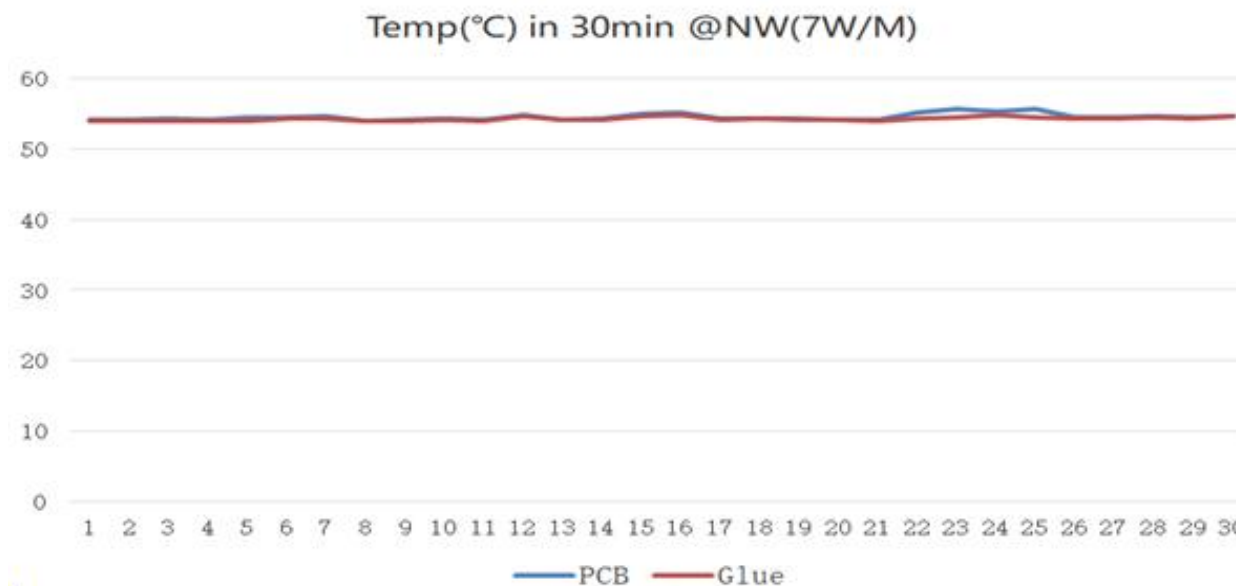
From above chart, please connect 20M at most by one-end power to keep brightness consistency.



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Temperature Curve



The above curves indicate the temp. changing in glue, & PCB within 30 minutes after powering on, under the ambient temperature of 25 °C.

Installation instruction

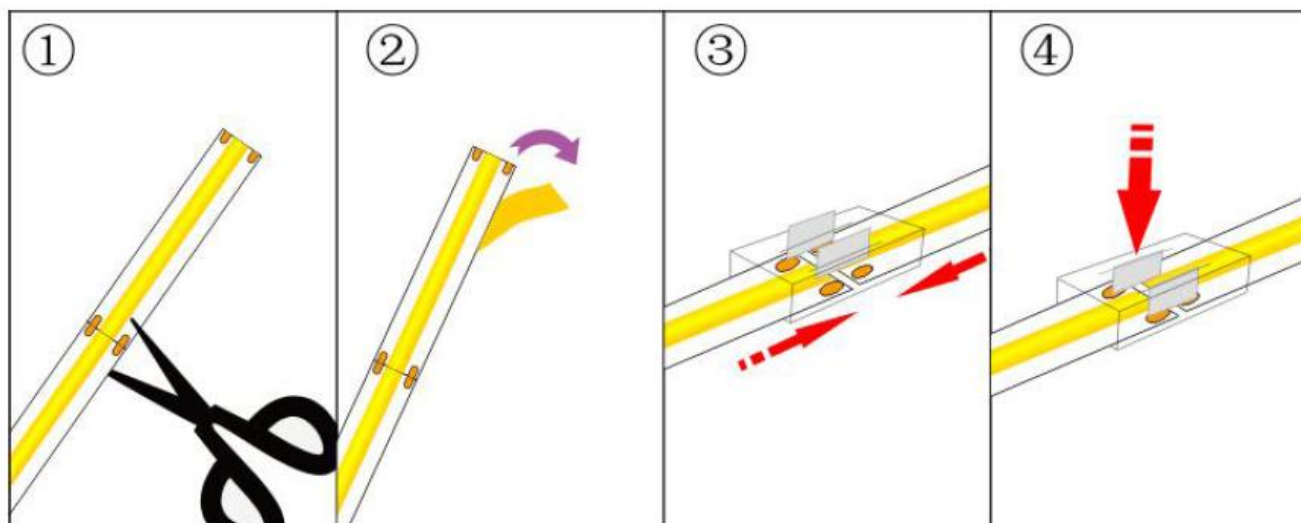


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- Please choose correct power supply for led strips. The total power of the led strip is about 80% of the power supply, and it can not be fully loaded to ensure that the power supply works at the correct and stable voltage.
- Adhesive tape on the back side of the strip, with its superior adhesive and weather resistance, and can be connected to any transparent glass, metal and plastic surface. But on some certain surfaces, such as cloth, wood, will affect its function and durability. Please test the adhesion of the led strip before installation.
- Please pay special attention to the minimum bending diameter of the led strip is 60mm. so as to avoid direct or indirect damage to FPC and components on FPC, which may lead to damage of the strip.
- In order to ensure waterproof and anti-corrosive function, after the power line is screwed into the connector, it is suggested to inject the connector with a single component of silica gel (or neutral glass glue, or waterproof grease) and cover the exposed copper wire of the power line for protection.
- The non-waterproof led strip shall not be completely exposed for outdoor use. Do not touch or install the strip when it is charged.

- It is suggested to use switch power supply that has passed relevant safety regulations (with short circuit protection, over voltage protection and over current protection),





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Application



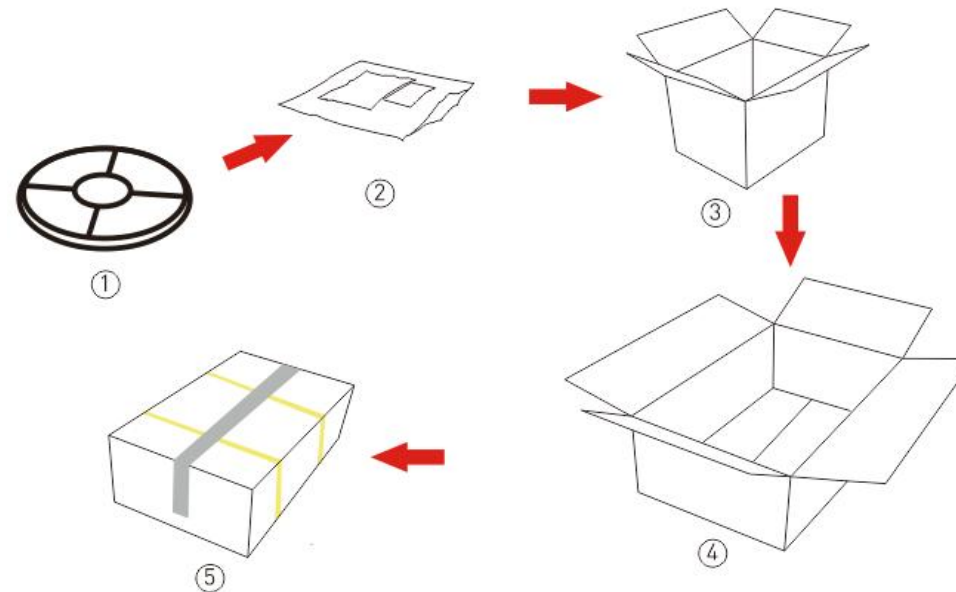


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Package

- 1) 20 meters per roll.
- 2) Pack each roll with anti-static bags, and label on it.
- 3) Put 25 rolls into a inner box (32*25*26 cm).
- 4) Put 2 inner boxes into master box (51*34*29cm).





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QA&QC





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Transportation



FAQ

Q1. Can I have a sample order for led light?

A: Yes, we welcome sample order to test and check quality. Mixed samples are acceptable.



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Q2. What about the lead time?

A: Sample needs 5-7 days, mass production time needs 1-3 weeks for order quantity more than

Q3. Do you have any MOQ limit for led light order?

A: Low MOQ, 1pc for sample checking is available

Q4. How do you ship the goods and how long does it take to arrive?

A: We usually ship by DHL, UPS, FedEx or TNT. It usually takes 3-5 days to arrive. Airline and sea shipping also optional.

Q5. Is it OK to print my logo on led light product?

A: Yes. Please inform us formally before our production and confirm the design firstly based on our sample.



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Q7: Do you offer guarantee for the products?

A: Yes, we offer 2-5 years warranty to our products.

Q8: How to deal with the faulty?

A: Firstly, Our products are produced in strict quality control system and the defective rate will be less than 0.2%.

Secondly, during the guarantee period, we will send new lights in next order.