FIO-LED

Product Specification

Series: COB LED

Picture

12V



Dimensions

FIO-LED
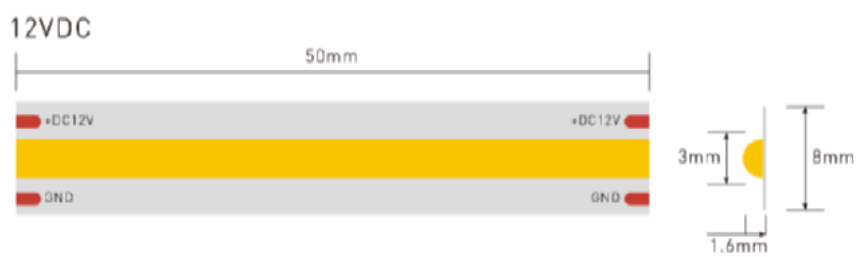
Specifications

Item NO.						
LED Chip/Meter	252					
Input Voltage	12Vdc					
Cutting Length	50mm					
PCB	8mm/2oz					
Power	8W/m					
Ra	Ra 80+			Ra 90+		
CCT	2700K	3000K	4000-6500K	2700K	3000K	4000-6500K
Brightness	760Lm/M	800Lm/M	840Lm/M	640Lm/M	680Lm/M	760Lm/M
Efficiency	95Lm/W	100Lm/W	105Lm/W	80Lm/W	85Lm/W	95Lm/W
Package Length	5 meters					
Size	Width: 8mm; Height: 1.6mm					
Lifespan	50,000 H					
Working Temperature	-20°C - 40°C					
Storage Temperature	-20°C - 45°C					

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

* The above measurements are based on IP20.

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Temperature Curve

12V

8W-30Min Temperatures
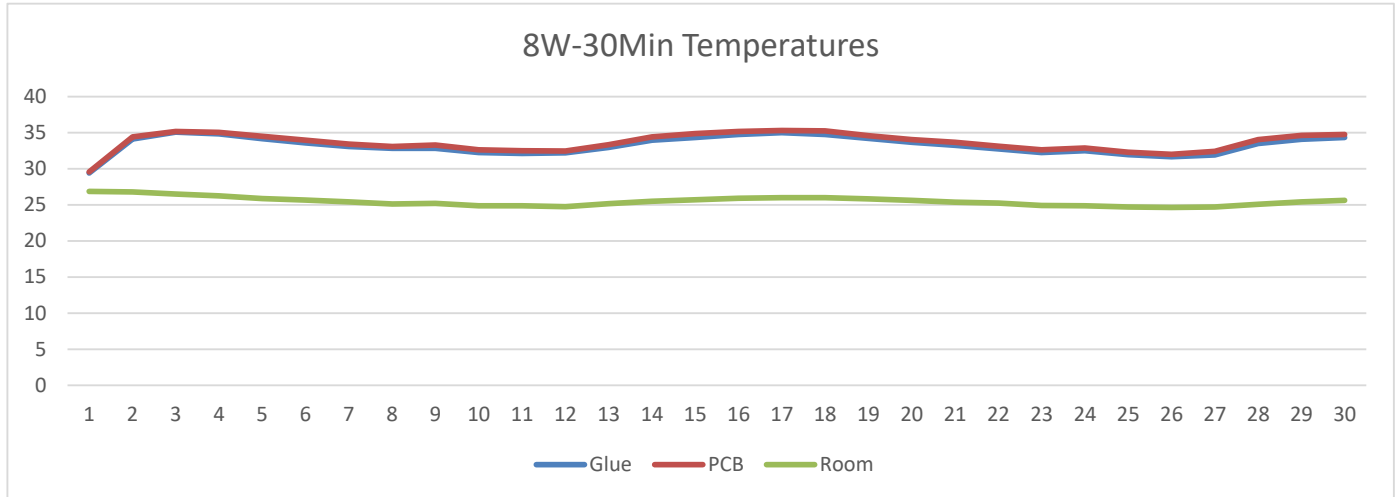
* The above curves based on 30 minutes testing data. The Temp. changes after powering within 30 minutes.

* The x-axis indicates the minutes from 1 minutes to 30 minutes.

* The y-axis indicates the changes of temperatures in Glue, PCB and Room.

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Brightness Consistency

The following charts shows the voltage, lumen and brightness drop on each meter.

12Vdc

Chart1, Based on 5m Running

Length	1m	2m	3m	4m	5m
Voltage	11,5	11,15	10,95	10,83	10,82
Lumen	687,25	475,68	354,78	282,24	276,19
Drop	0,00%	-30,79%	-48,38%	-58,93%	-59,81%

Chart2, Based on 4m Running

Length	1m	2m	3m	4m
Voltage	11,52	11,22	11,05	11,02
Lumen	699,34	517,99	415,23	397,09
Drop	0,00%	-25,93%	-40,63%	-43,22%

Chart3, Based on 3m Running

| Length	1m	2m	3m
Voltage	11,55	11,35	11,30
Lumen	717,48	596,58	566,35
Drop	0,00%	-16,85%	-21,06%

Installation Ways
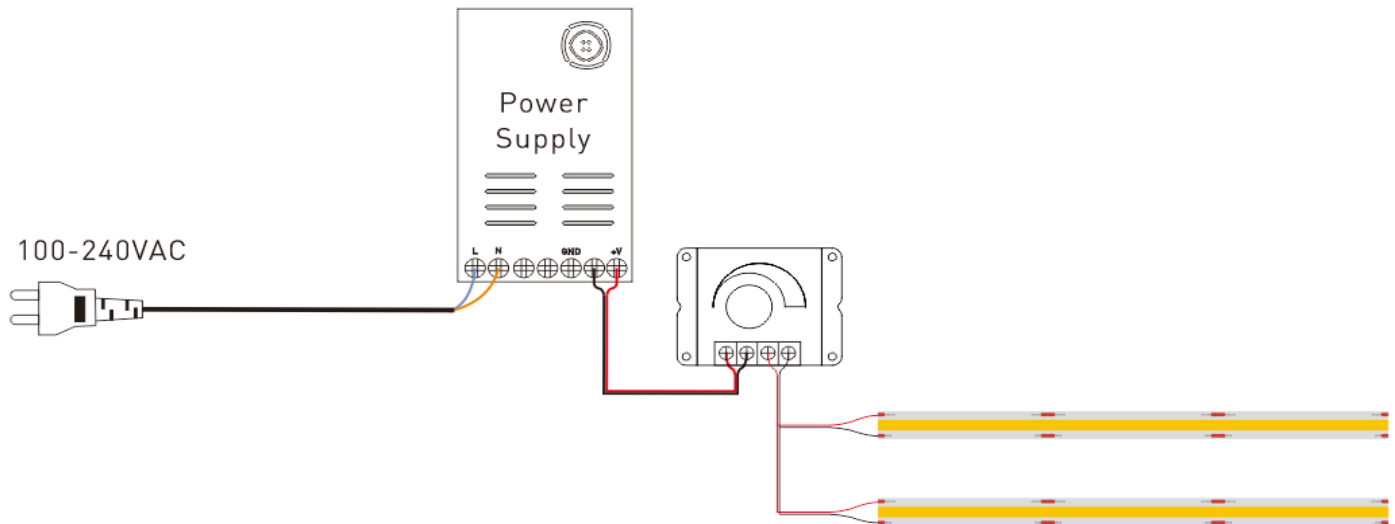
* The max running length is 5 (12V) meters, for over 5 (12V) meters please connect in parallel.

* 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.

Applications
* Residential lighting, decorative lighting, indirect lighting.

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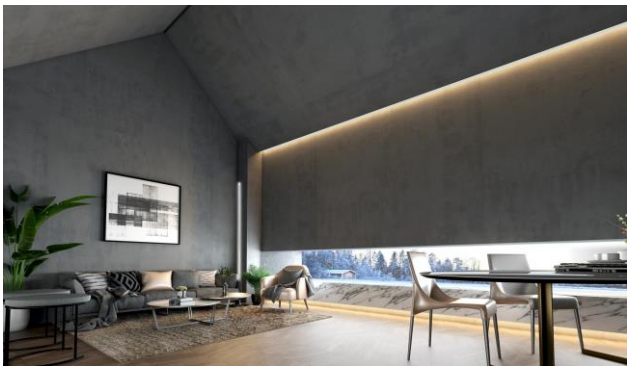
Package

5m

②) Each roll packed with anti-static bags, and label on it.

④-⑤) 2 inner boxes into a large carton (50cm*30cm*29cm).

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