

# Technical data

**CODE:**

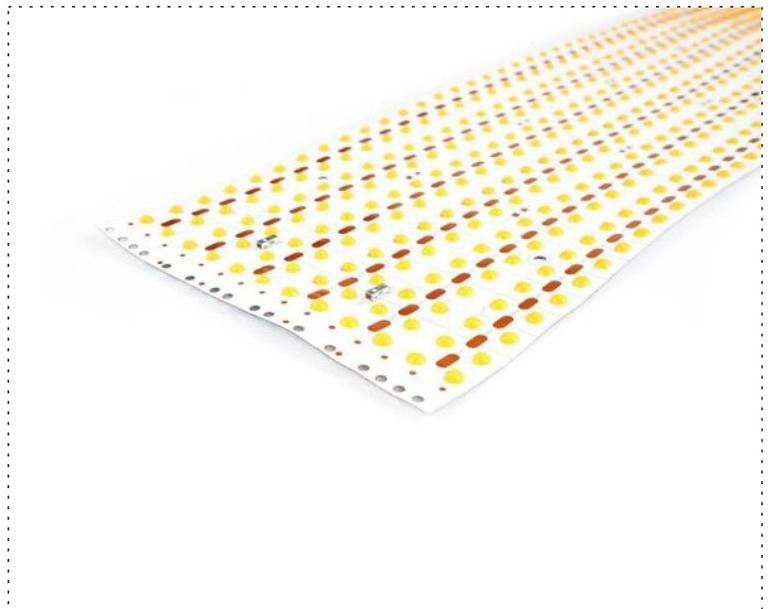
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**PRODUCT:**

LED FLEX PANEL

**NOTE:**

TECHNICAL DATA

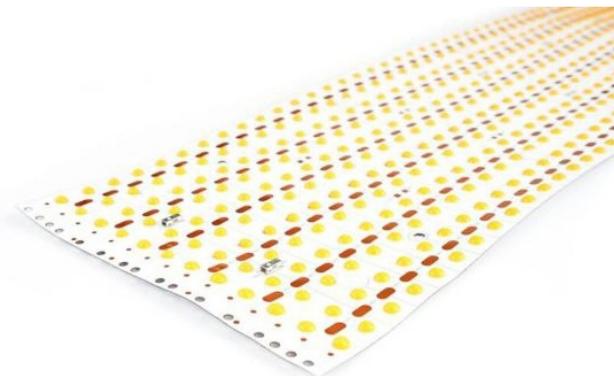
**IMAGE:****LAST UPDATE:**

3/2026

# LED FLEX PANEL

## 8M/FCOB constant voltage Flex Sheet

- 1200pcs led/meter/DC24V/IP20/120mm
- 1200 LEDs per meter design; The point-like luminescence design is adopted to ensure the uniform distribution of light
- can be cut vertically; The minimum cutting unit is 10mm\*120mm; The maximum cascade at a single end is 8 meters
- It adopts flexible soft membrane material, which has good flexibility and bending resistance
- with quick connector, easy to be connected or disconnected
- born for stretched ceiling and light box, without light spot.
- high CRI, RA90 for choice
- CE/ ROHS certification



## Application

- widely used in hotels, shopping malls, furniture, cabinets, shelf, as decoration lighting, direct lighting or indirect lighting

## Installation

- 3M adhesive
- screw installation (KA3\*10)

## Warranty

- 5 years



## Optical and Electric data

Color	CCT (K)	Ra	Beam angle (°)	Lumen (lm/m)	Efficiency (lm/W)	Voltage (V DC)	Current (mA/m)	Power (W/m)
CW	6000-6500	≥90	150	860	86	24	416	10

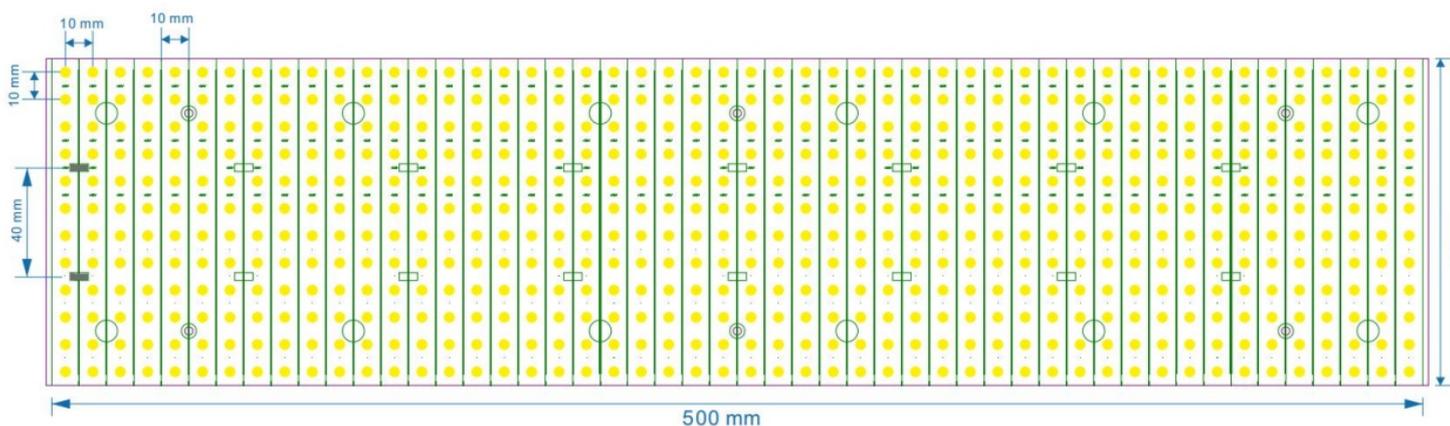
## Other features

IP grade	Working environment (°C)	Storage environment (°C)	Length (m)	Max connection length (m)	LED Qty (pcs/m)	N.W (g/Roll)
Ip20	-25~+45	-30~+80	8	8	1200	880

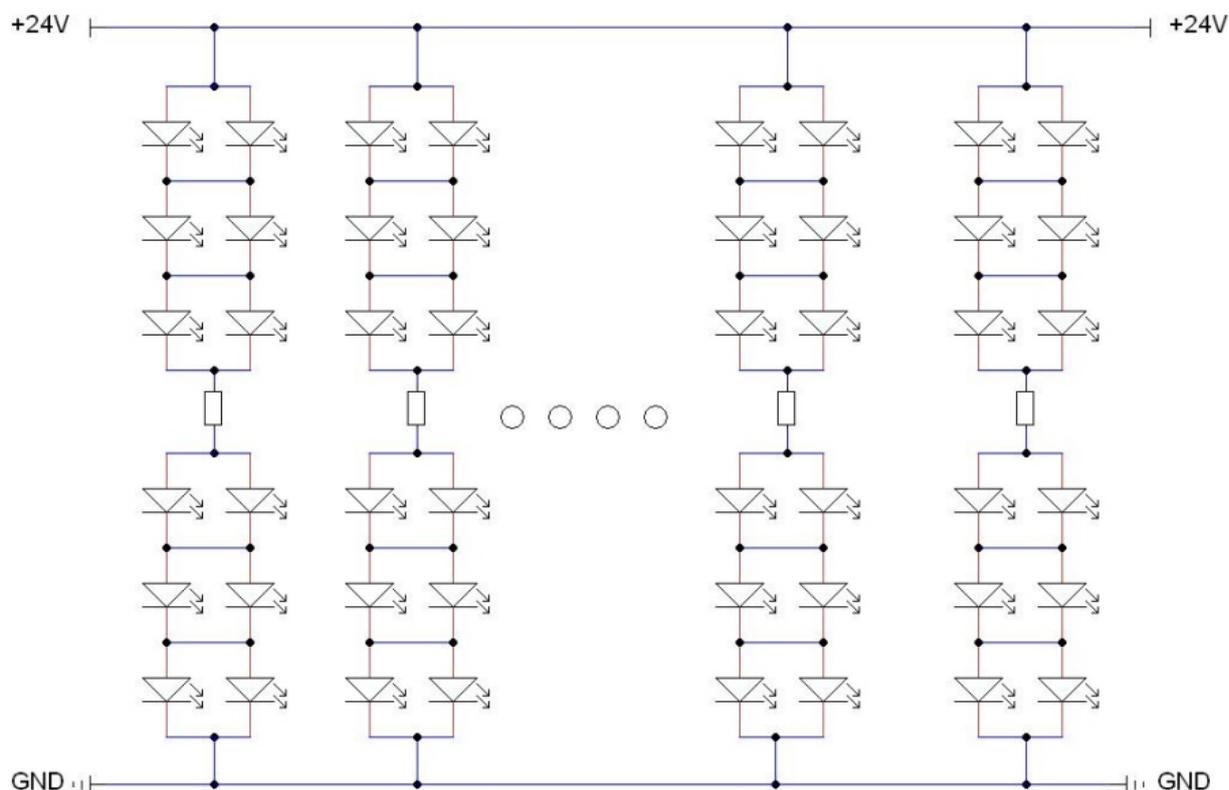
## Notes:

- Testing environment temperature: 25±2°C
- Above data confirmed on the basis of 1M sample, Ra90, Ip20.
- Different IP grade with different Data.
- Mark "-" means no testing requirement.

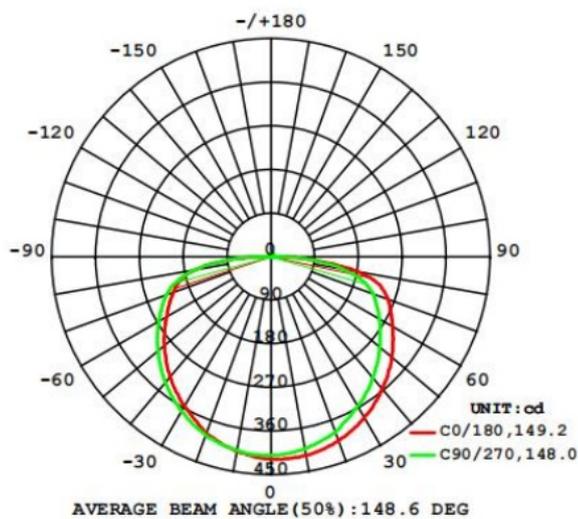
## Dimensions



### Electric principle

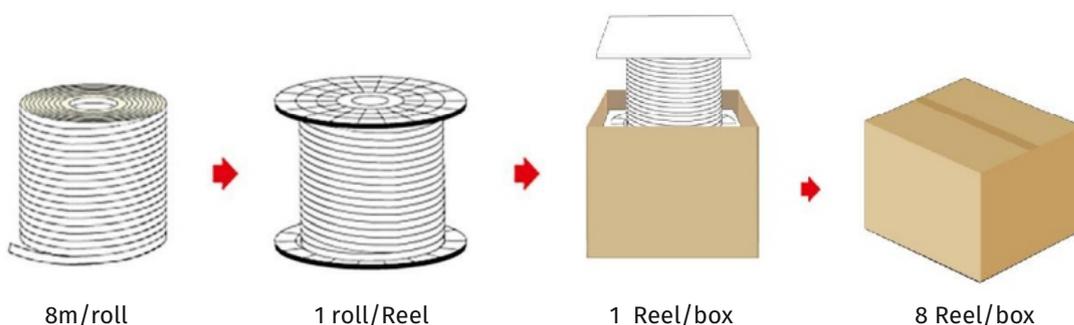


### Optical/Lux graph

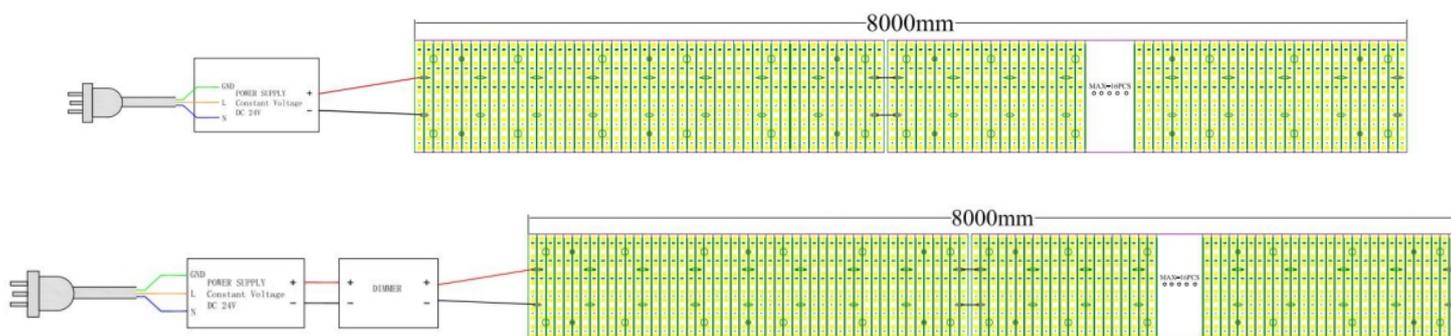


### Package details

Carton	Qty/Roll (m)	Qty/Carton (m)	Total Qty (m)	G.W (kg)	Size
inner box	8	8	8	1.1	L224*W225*H135
outer box	64	64	64	9.5	L470*W470*H295



## Schematic



### Note:

"+": red wire

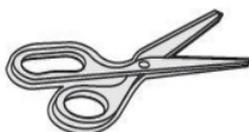
"-": black wire

**PS:** Strip positive connect to the driver positive; Strip negative connect to driver negative

## Product and needed tools

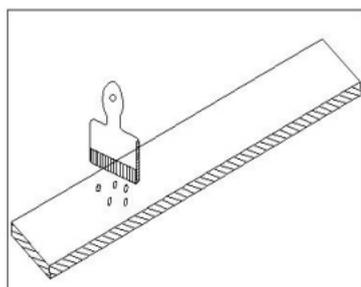


LED strip

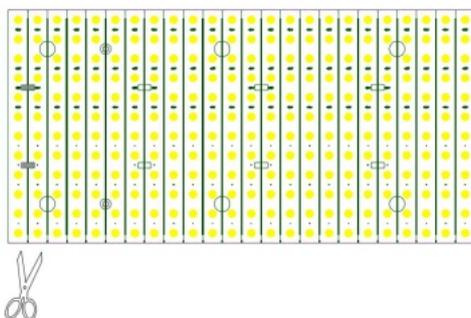


Scissor

## Installation steps



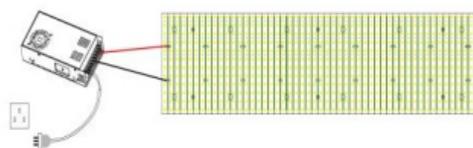
Clean the installation surface



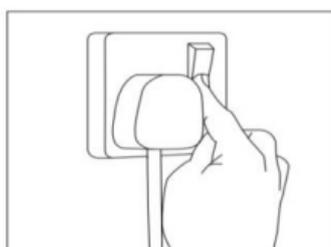
Measure the length you need to install, cut at the nearest scissor mark line



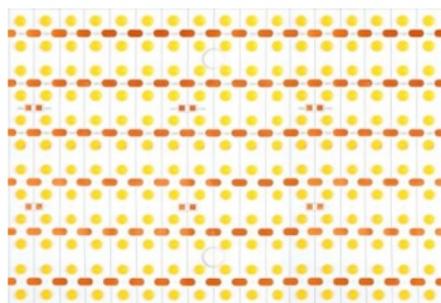
Put apart 3M tape from the led strip, paste on installation surface



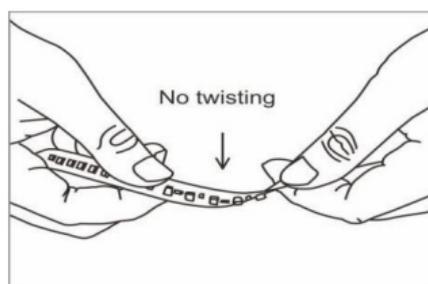
Connect the led strip wire to the driver output side (Positive to positive, negative to negative)  
Connect the driver input side to power-supply



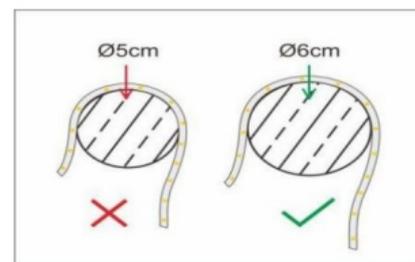
Switch on and enjoy



No bending at the point of leds



No contortion of the led strip



No bending with diameter <math>< 6\text{cm}</math>

### Usual problem with solutions

Problem	Possible reasons	Solution
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All fail	<ul style="list-style-type: none"> <li>No power supply</li> <li>Automatic switch-off because of the open circuit and short circuit</li> <li>Wrong connection (positive connect with negative)</li> <li>Part power-supply fail</li> </ul>	<ul style="list-style-type: none"> <li>Give power supply</li> <li>Solve the problem, switch on again</li> <li>Check and get right connection</li> <li>Check and make sure the power supply</li> </ul>
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Problem	Possible reasons	Solution
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Part fail	<ul style="list-style-type: none"> <li>Part circuit error</li> <li>Part wrong connection (positive connect negative)</li> <li>Overload of the driver</li> </ul>	<ul style="list-style-type: none"> <li>Check and get right connection</li> <li>Use higher-power driver well</li> </ul>
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Problem	Possible reasons	Solution
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Inconsistent brightness or insufficient brightness	<ul style="list-style-type: none"> <li>Too big power consumption of the switch, or unbalanced power consumption forem different strip series</li> <li>Too many Led strips connection</li> </ul>	<ul style="list-style-type: none"> <li>Keep the strip working voltage is more or less 5% than the Rated voltage</li> <li>1. shorten the connection cable length, or change to thicker cable</li> <li>2. make sure the strip quantity is less than the allowed connection quantity</li> <li>Keep the led strip quantity of each series similar</li> <li>Adjust the led strip quantity, make sure sufficient power supply</li> </ul>
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Problem	Possible reasons	Solution
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LED flash	<ul style="list-style-type: none"> <li>Poor welding connection of wires</li> <li>Switch problem</li> </ul>	<ul style="list-style-type: none"> <li>Check, find and solve it</li> <li>Change to right switch</li> </ul>
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## Statements

- For safety, the product wire should be moved and replaced by the manufacturer, agent or other authorized person.
- Please refer to the product manual before installation.
- Above-refered data is from our standard product. Please subject to your actual product data if there is difference.
- Above-refered schematic diagrams are from our standard product. Please subject to your actual product data if there is difference.
- In actual use, we suggest 80% consumption of the driver. Keep 20% as power to start the led strip.
- For safety, no touch the AC terminal.
- Any acidic or alkaline substance is forbidden.
- No notice for updated of this product.
- Starwire reserve the final interpretation of the specification.