

# Technical data

**CODE:**

582202

**PRODUCT:**

LED FLEX PANEL DE-FL1

**NOTE:**

TECHNICAL DATA

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

12/2025



CATEGORY

**LED TECHNOLOGY**

# LED FLEX PANEL DE-FL1

## Model 1200 PCS LED/METER; DC24V;IP20; 120 mm

- 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

### Applications:

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

### Installations:

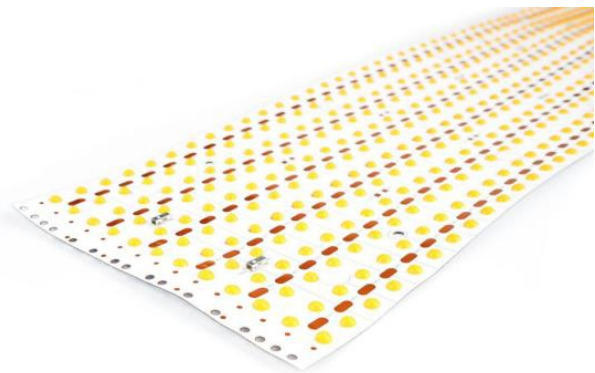
- 3M adhesive, screws installation (KA3\*10)

### Warranty:

- 5 years

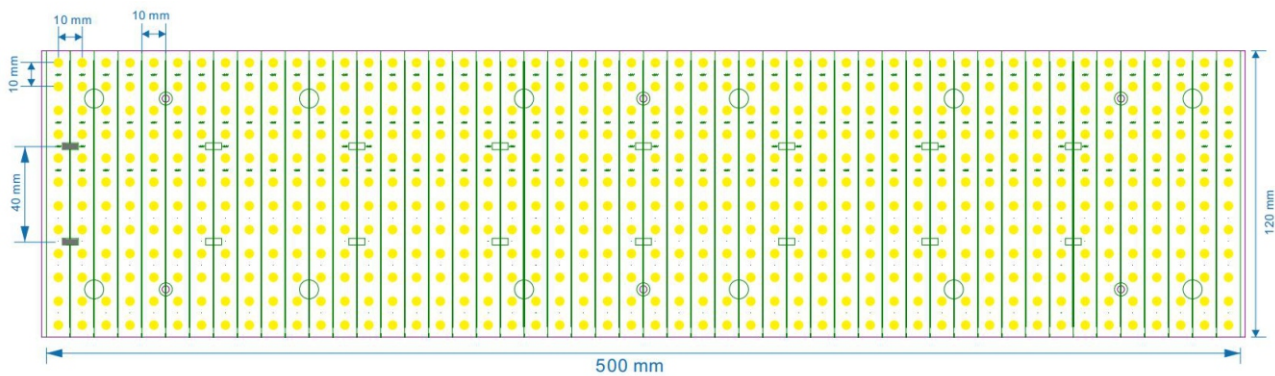
### Technical parameters

Parameters	DE-FL1 582202
Color	CW
CCT (K)	6500
Ra	≥90
Beam angle	150°
Lumen	860 lm/m
Efficiency	86 lm/W
Voltage	24 V DC
Current	416 mA/m
Power	10 W/m
IP	Ip20
Working environment	-25 ~ 45°C
Storage environment	-30 ~ 80°C
Length	8 m
Max connection Length	8 m
LED Qty	1200 pcs/m
N.W	880 g/Roll

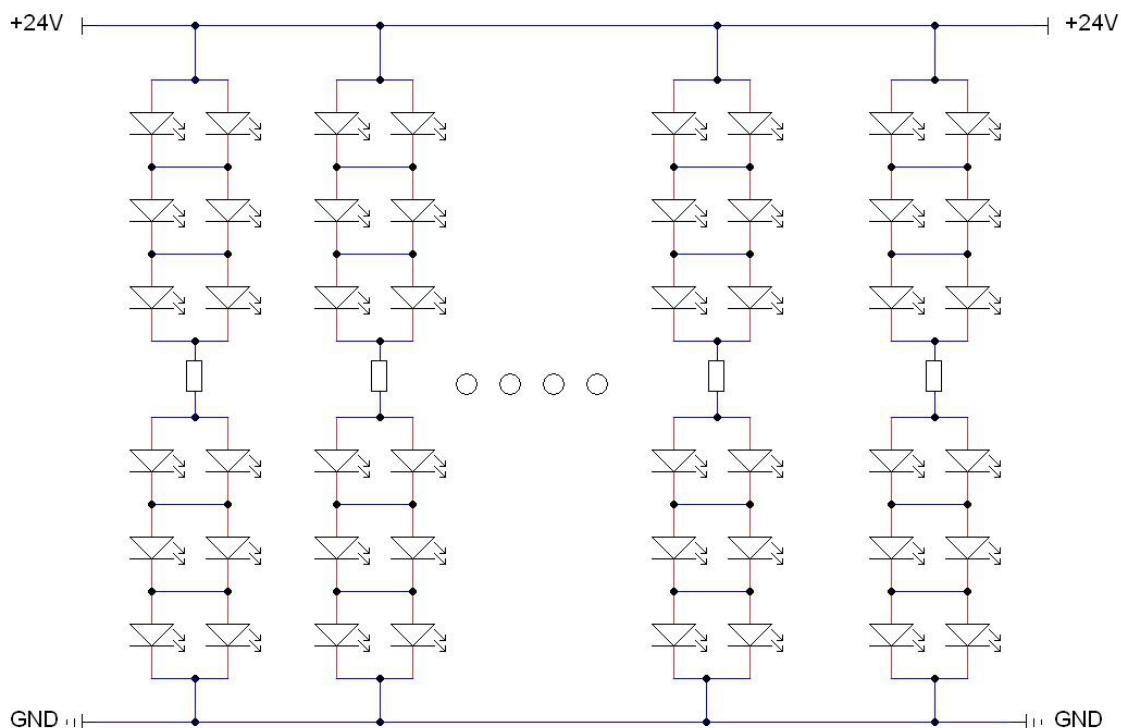


Notes:  
Testing environment temperature: 25±2°C  
Above data confirmed on the basis of 1M sample, RA90, IP20.  
Different IP grade with different Data.  
Mark"—"means no testing requirement.

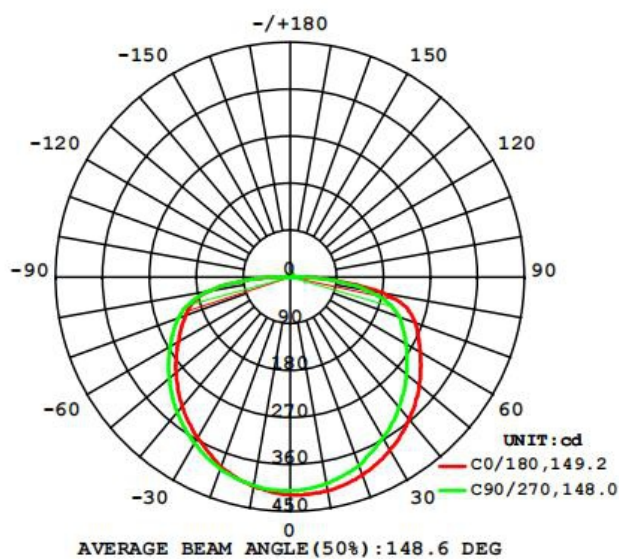
### Dimensions



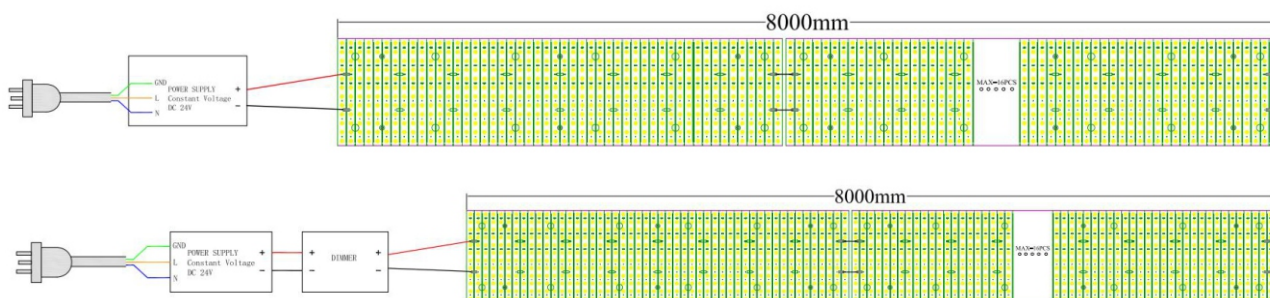
## Electris principle:



## Optical / Lux graph:

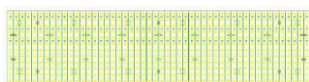


## Schematic:

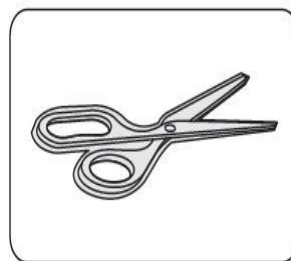


“+”: red wire  
“-”: black wire  
(PS: Strip positive connect to the driver positive,  
Strip negative connect to driver negative)

## Product and needed tools

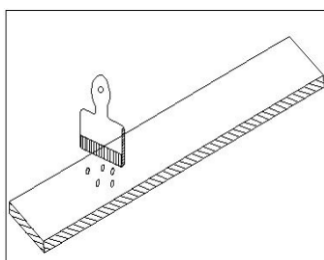


**Product**  
Led strip

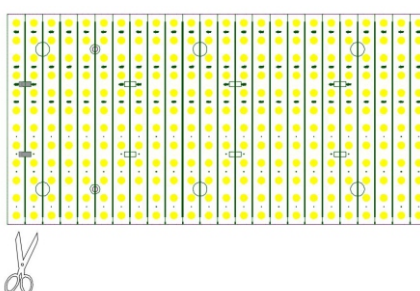


**Needed tools**  
scissor

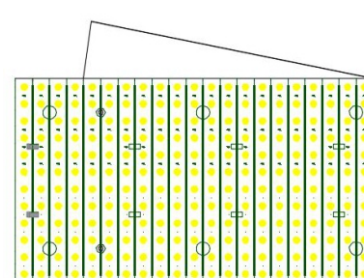
## Installation steps



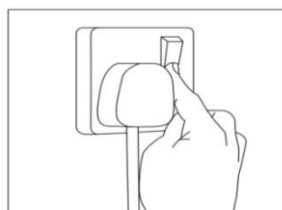
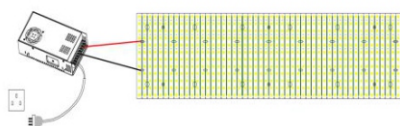
- Clean the installation surface



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

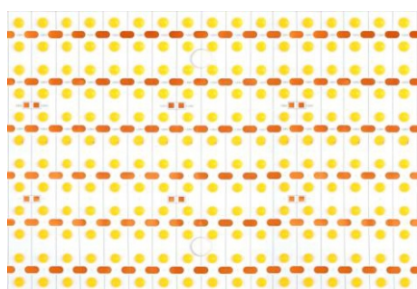


- Pull apart 3M tape from the led strip, paste on installation surface.

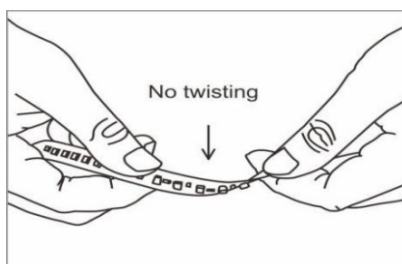


- Connect the led strip wire to the driver output side (Positive to positive, negative to negative.)
- Connect the driver input side to power-supply.

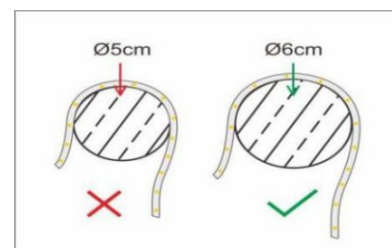
- Switch on and enjoy.



- No bending at the point of leds



- No contortion of the led strip.



- No bending with Diameter < 6cm



## Usual problem with soluions

Problem	Possible reasons	Solution
All fail	- No power supply	Give power supply
	- Automatic switch-off because of the open circuit and short circuit	Solve the problem, switch on again.
Part fail	- Wrong connection (positive connect with negative)	Check and get right connection.
	- Part power-supply fail	Check and make sure the power supply well.
Inconsistent brightness or insuffiscent brightness	- Part circuit error	Check and get right connection.
	- Part wrong connection(positive connect negative)	Use higher-power driver
	- overload of the driver Use higher-power driver	Keep the strip working voltage is more or less 5% than the Rated voltage.
	- Too big power consumption of the switch, or unbalanced power consumption from different strip series	1.shorten the connection cable length, or change to thicker cable. 2.Make sure the strip quantity is less than the allowed connection quantity. Keep the led strip quantity of each series similar.
LED flash	- Too many LED strips connection	Adjust the LED strip quantity, make sure sufficient power supply
	- Poor welding connection of wires	Check, find and solve it
	- Switch problem	Change to right switch

## 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.