

COB 5mm flexible led strips

Features:

- COB design.
- They allow linear illumination without the led spots being visible.
- Provides a continuous and uniform light effect.
- Wide beam angle, softer light.
- Our COB led strips have a small iron strip incorporated at the back of the PCB which improves heat dissipation.
- Its strong point is that it offers 80% more in torsional resistance.
- Easy assembly thanks to self-adhesive tape.



| Reference | Colour temp. | Lumens/m | Lumens/W | Energy efficiency |
|-----------|--------------|----------|----------|-------------------|
| 31.142 | 6000K | 1089 | 114 | F |
| 31.141 | 4000K | 1069 | 108 | F |
| 31.140 | 2700K | 995 | 95 | F |

Technical characteristics

Technical data

| | |
|------------------------|-------|
| Power (x metre) | 10W/m |
| Power of the roll (5m) | 75W |
| Voltage | 24V |
| Degree of protection | IP20 |

Led information

| | |
|----------------------------|-----|
| Type of led | COB |
| Number of leds per metre | 384 |
| Number of leds per section | 15 |

Temperatures and operating conditions

| | |
|------------------------|---------------|
| Working tempetarure *1 | -20C / +50°C |
| Storage temperature | -40°C / +80°C |

Photometric data

| | |
|--------------------|------|
| CRI | >90 |
| R9 | >64 |
| Colour consistency | - |
| Opening angle | 180° |

Services

| | |
|---------------|-------------|
| Dimmable | Yes *2 |
| Self-adhesive | 3M VHD tape |
| Apt for | Indoor |

*2 Adjustable with appropriate controllers.

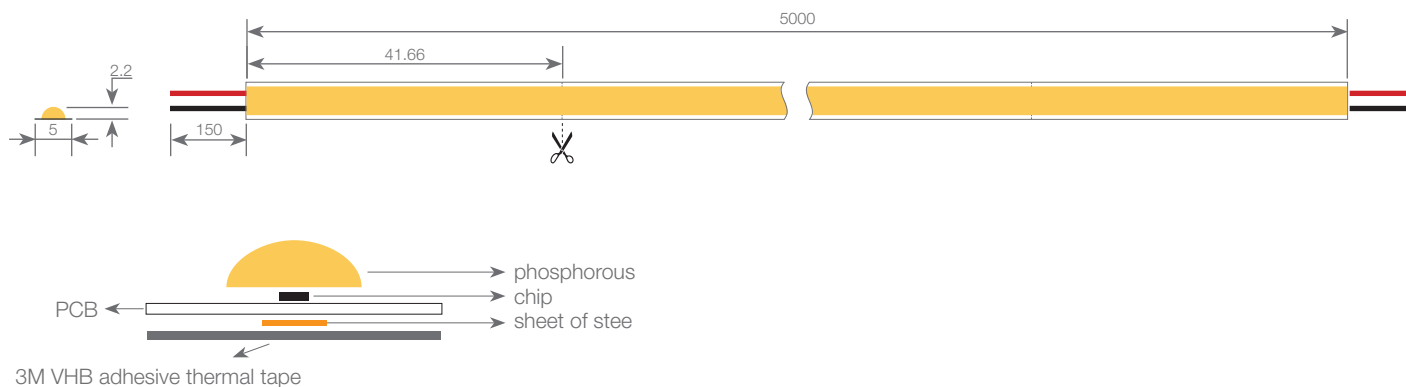
Useful lifespan

| | |
|-----------------------|------------|
| Estimated lifespan | 50.000h *3 |
| Daily recommended use | 18h |

*3 Depending on the dissipation of the profile, the daily working hours and the external environmental working temperature.



COB 5mm flexible led strips



Dimensions and weight

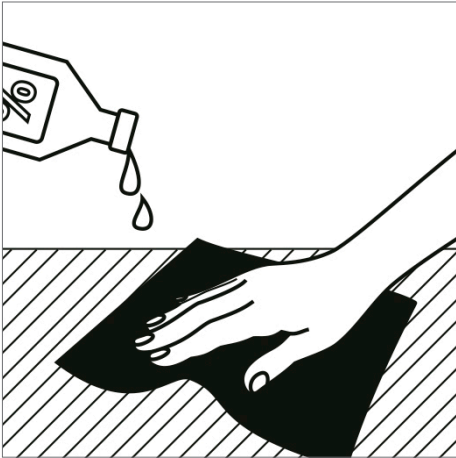
| | | | |
|--------|--------|------------------------|----------------------|
| Length | 5000mm | Cutting section length | 41.66mm |
| Width | 5mm | Cable length | 150mm |
| Height | 2.2mm | Cable section | 2x0.5mm ² |

Connection

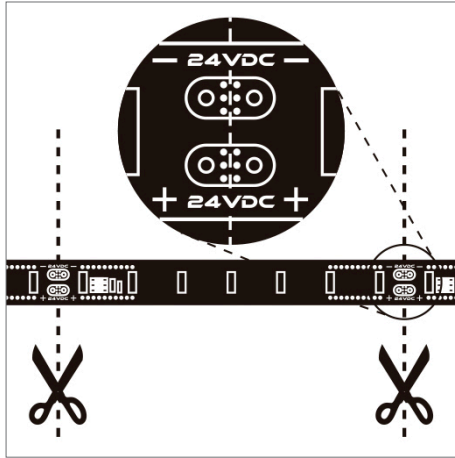
| | | | |
|------------------------------------|----|--------------------------------------|-----|
| Maximum connection in open circuit | 5m | Maximum connection in closed circuit | 10m |
|------------------------------------|----|--------------------------------------|-----|

COB 5mm flexible led strips

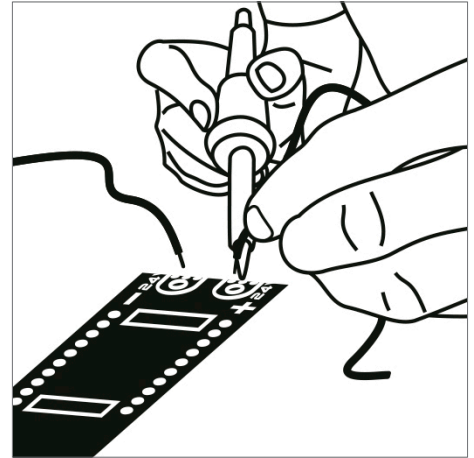
Assembly instructions



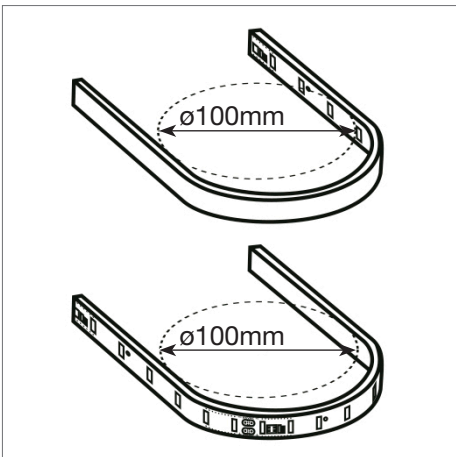
1. Clean the installation surface from dirt and grease.



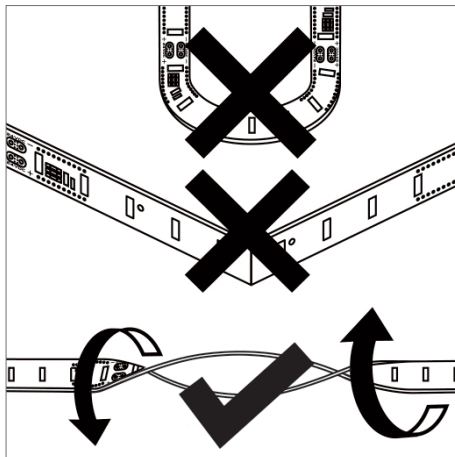
2. Cut only along the lines indicated on the PCB.



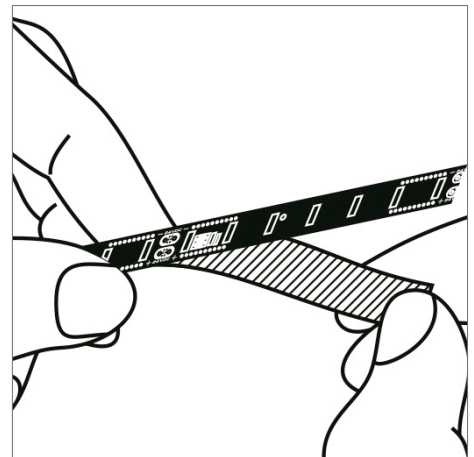
3. Polarity (+/-) must be respected. The soldering temperature must not exceed 360°.



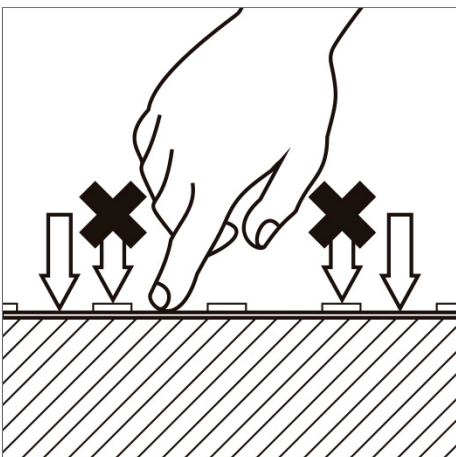
4. The bending diameter of the flexible strips must not be more than $\varnothing 100\text{mm}$.



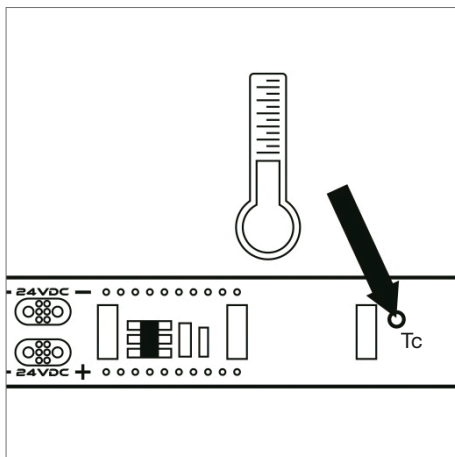
5. Flexible strips cannot be bent by the welding part. Never bend to an angle of 90°. It can have a radius of $\geq 20\text{mm}$ or an angle of 180°.



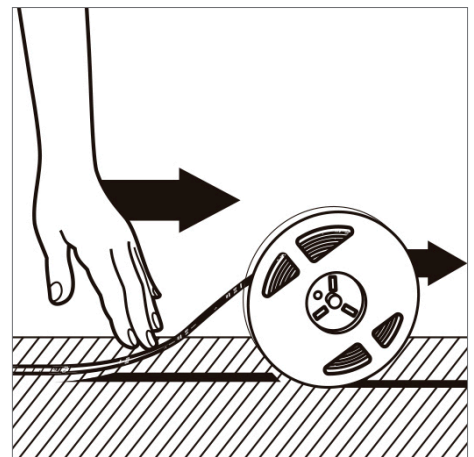
6. Fix by removing the back tape protector.



7. When applying the strip, press between the leds and not on the surface of the led.



8. The use of an aluminium profile is recommended for heat dissipation. The temperature should not exceed the recommended values in the data sheet*1.



9. Only handle the flexible strip when off unwind and place gradually.