

Castellon PRO flexible led strips

Features:

- Easy to install.
- Requires use with led profile for dissipation.
- Heat dissipation tape included.
- Puede utilizarse en espacios como pasillos, vitrinas, estanterías, etc.
- Degree of protection: IP20
- Easy assembly due to self-adhesive tape.



Reference	Colour temp.	Lumens/m	Lumens/W	Energy efficiency
33.036	6000K	1828	145	E
33.037	4000K	1325	108	F
33.038	2800K	1332	106	F

Technical characteristics

Technical data

Power (x metre)	12.8W/m
Power of the roll (10m)	128W
Voltage	48V
Degree of protection	IP20

Led information

Type of led	SMD2835
Number of leds per metre	150
Number of leds per section	15

Temperatures and operating conditions

Working tempetarure ^{*1}	-20°C / +40°C
Storage temperature	-30°C / +80°C

Photometric data

CRI	>80
R9	>22
Colour consistency	-
Opening angle	120°

Services

Dimmable	Yes ^{*2}
Self-adhesive	3M tape
Apt for	Indoor

^{*2} Adjustable with appropriate controllers.

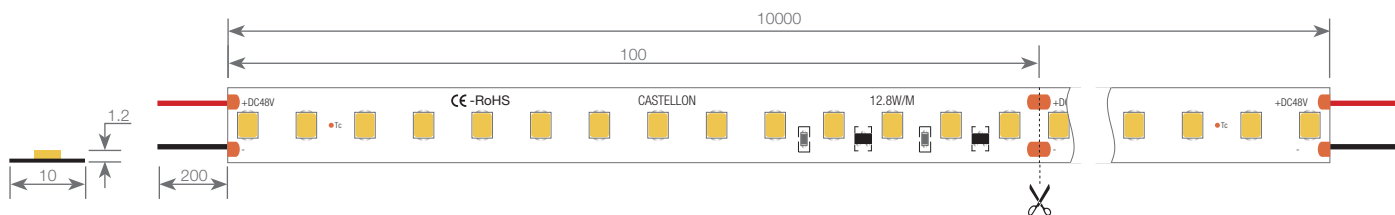
Useful lifespan

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.



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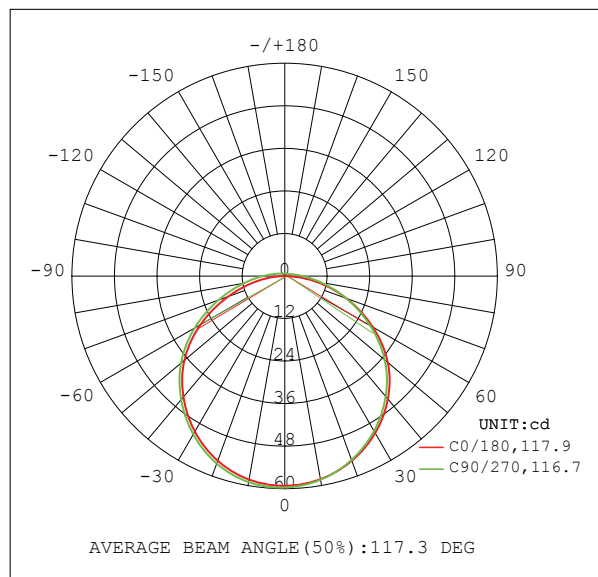
Dimensiones

Length	10000mm	Cutting section length	100mm
Width	10mm	Cable length	200mm
Height	1.2mm	Cable section	2x0.5mm ²

Conexionado

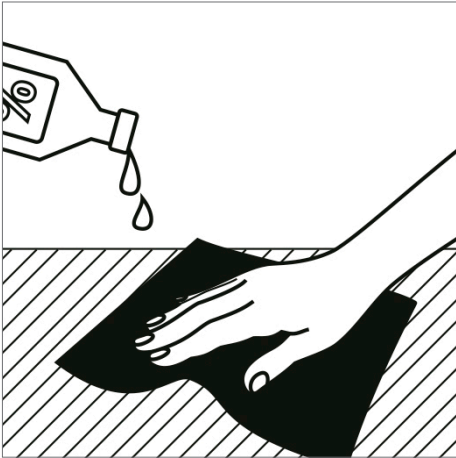
Maximum connection in open circuit	30m	Maximum connection in closed circuit	50m
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Photometric curves

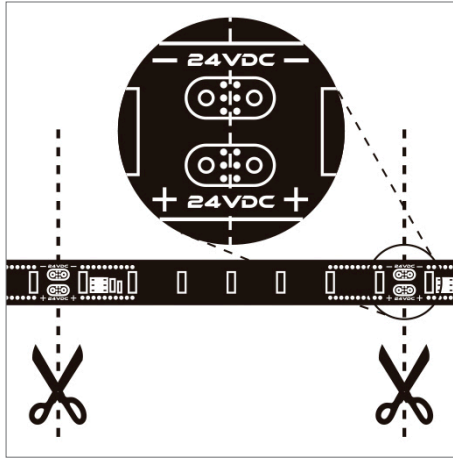


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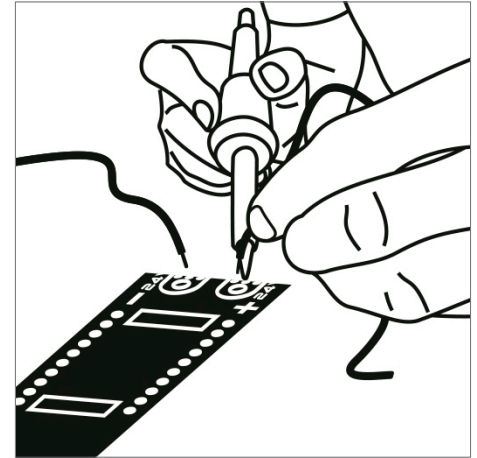
Assembly instructions



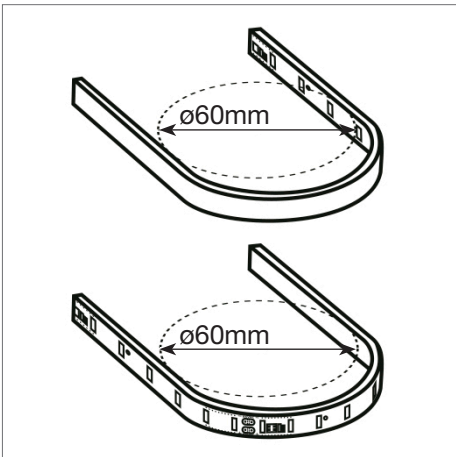
1. Clean the installation surface from dirt and grease.



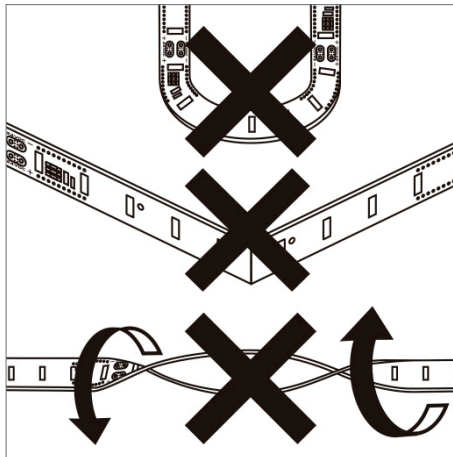
2. Cut only along the lines indicated on the PCB.



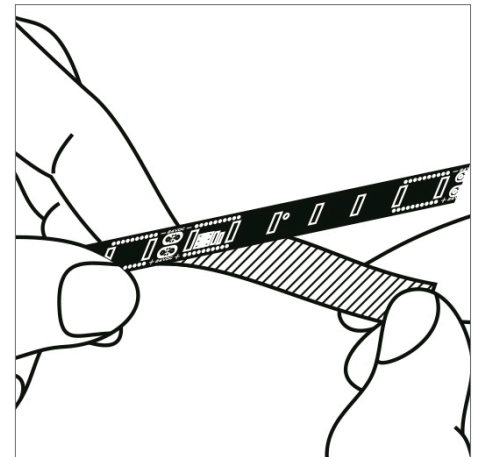
3. Polarity (+/-) must be respected.
The soldering temperature must not exceed 360°.



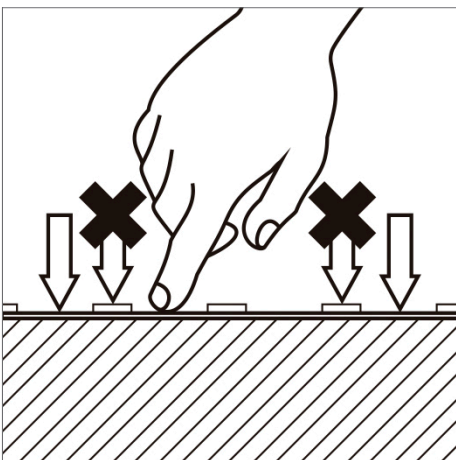
4. The bending diameter of the flexible strips must not be more than $\varnothing 60\text{mm}$.



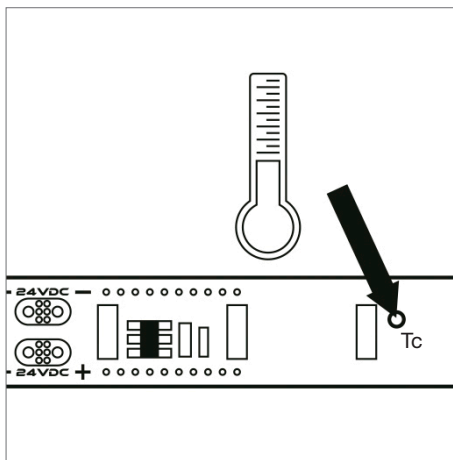
5. Flexible strips must not be twisted or bent at sharp angles.



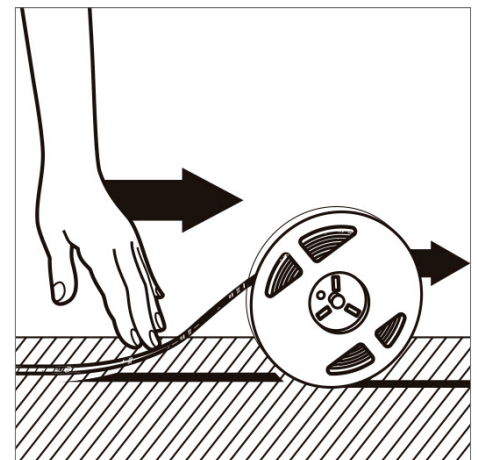
6. Fix by removing the back tape protector.



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.