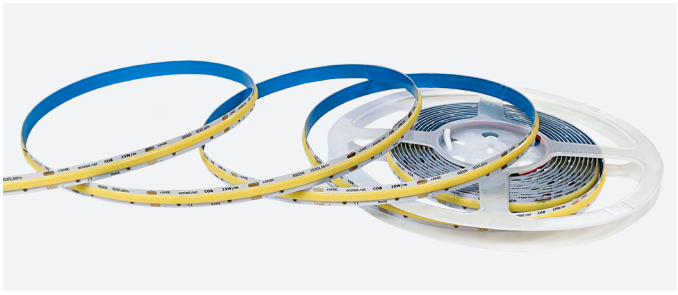
LUZ NEGRA
linear lighting solutions

COB 15W 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
31.001	6500K	1442	99.84	F
31.002	4000K	1530	96.83	F
31.003	3000K	1330	90.77	G
31.157	2700K	1398	93.23	F
31.004	2500K	1265	76.93	G

Technical characteristics

Technical data	
Power (x metre)	15W/m
Power of the roll (5m)	75W
Voltage	24V
Degree of protection	IP20

Photometric data	
CRI	>85
R9	>50
Colour consistency	≤3 sdcm
Opening angle	180º

Led information	
Type of led	COB
Number of leds per metre	480
Number of leds per section	24

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

*2 Adjustable with appropriate controllers.

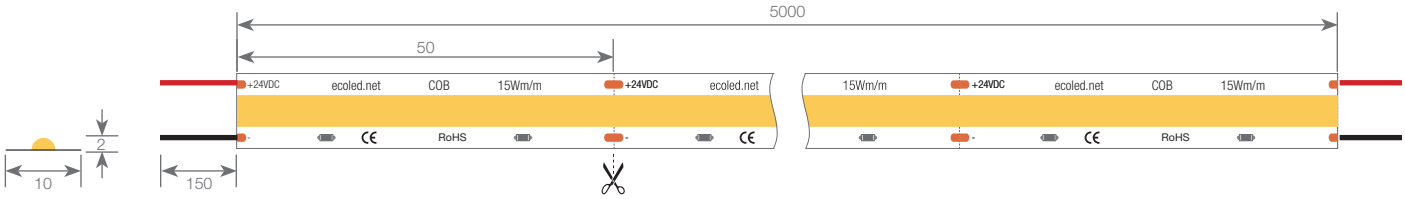
Temperatures and operating conditions	
Working tempetarure *1	-25ºC / +40ºC
Storage temperature	-40ºC / +80ºC

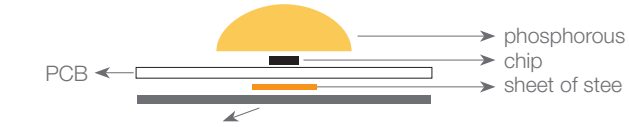
Useful lifespan	
Estimated lifespan	50.000h *3
Daily recommended use	12h

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

Luz Negra reserves the right to modify the technical specifications of its products.
For up-to-date information, please visit our website **www.luznegra.net**

COB 15W flexible led strips





3M VHB adhesive thermal tape

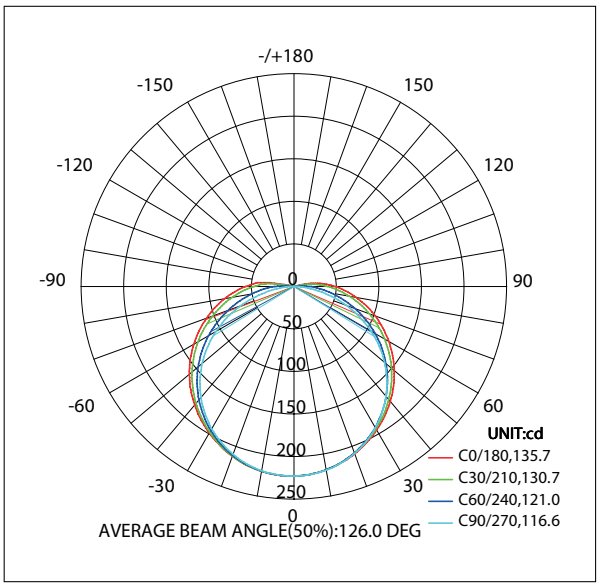
Dimensions and weight

Length	5000mm	Cutting section length	50mm
Width	10mm	Cable length	150mm
Height	2mm	Cable section	2x0.5mm²

Connection

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

Photometric curves

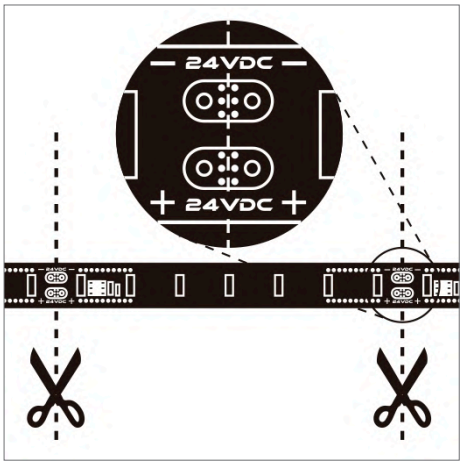


Luz Negra reserves the right to modify the technical specifications of its products.
For up-to-date information, please visit our website **www.luznegra.net**

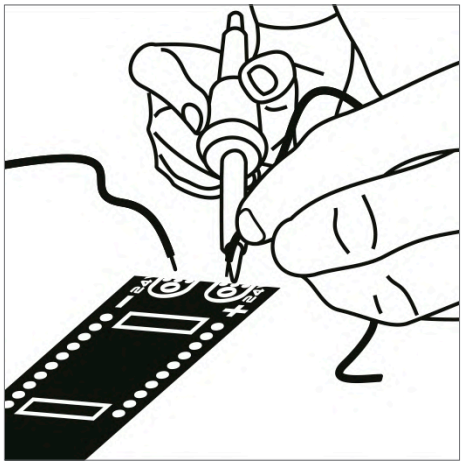
COB 15W flexible led strips

Assembly instructions

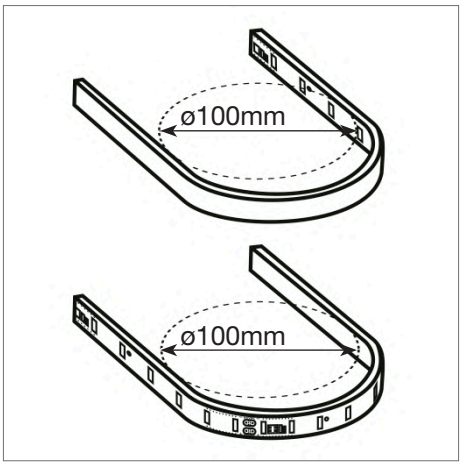
1. Clean the installation surface from dirt and grease.



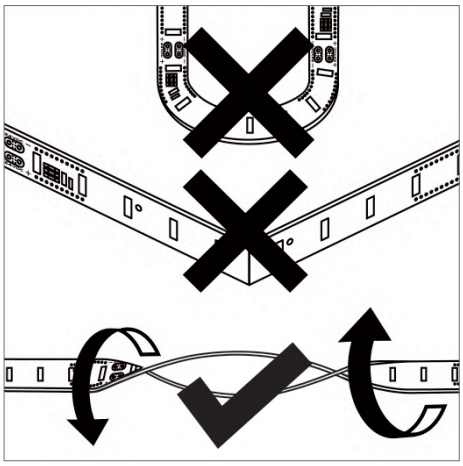
2.Cut only along the lines indicated on the PCB.



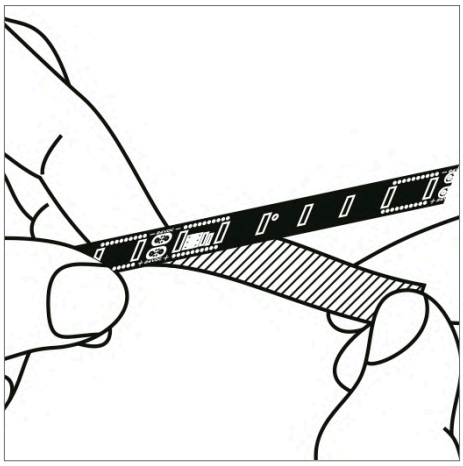
3. Polarity (+/-) must be respected.
The soldering temperature must not exceed 360°.



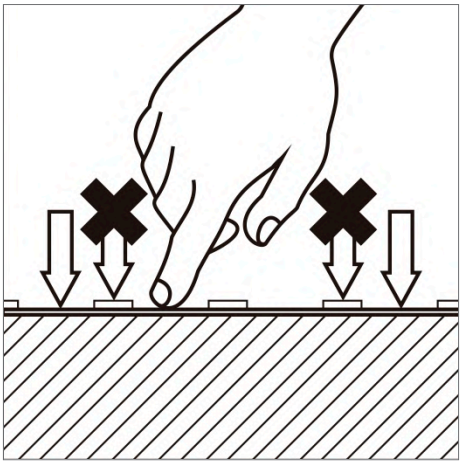
4. The bending diameter of the flexible strips must not be more than ø100mm.



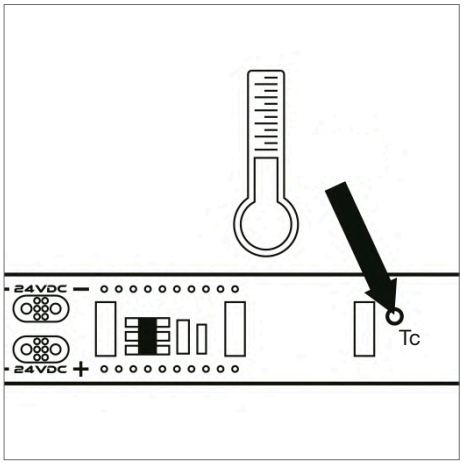
5. Flexible strips cannot be bent by the welding part. Never bend to an angle of 90°. It can have a radius of ≥20mm or an angle of 180º.



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.

Luz Negra reserves the right to modify the technical specifications of its products.
For up-to-date information, please visit our website **www.luznegra.net**