LUZ NEGRA
www.luznegra.net

ecoled

MEDIUM BRIGHTNESS | CRETA | FLEXIBLE STRIP

Ref: 31.150 2300ºK / 6000ºK

Led strip only for "H" connections.
Single-coloured flexible strip "**PRO**"
IP20 with 240 leds/metre 2835SMD.

Requires use with led profile to permit dissipation.

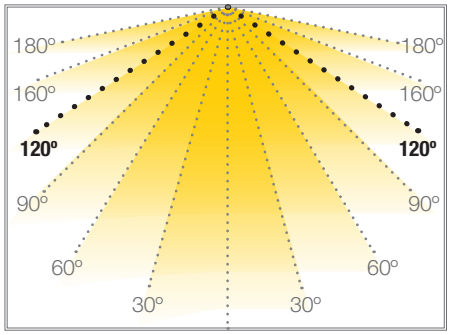
Heat dissipation tape included.

5mm PCB

Daily recommended use: 18h
Maximum connection in open circuit: 2.5m
Maximum connection in closed circuit: 5m
Estimated lifespan: 30000h *

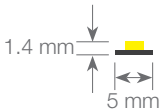
* Depending on the dissipation of the profile, the daily working hours and the external environmental working temperature.

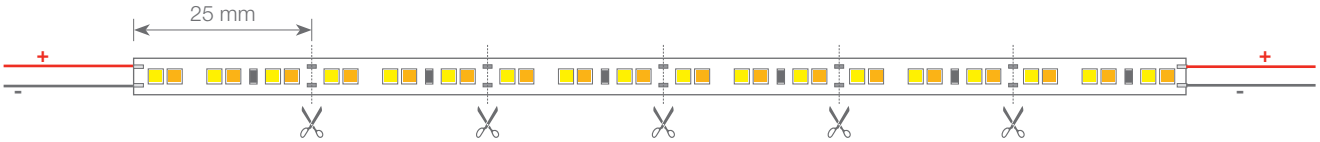
W 10	120º	12V	IP20	25mm	indoor	outdoor	18h máx.
power		voltage					work



Power (W)	10W/m
Voltage (V)	12V
Led type	SMD2835
Lumens (2300K)	713 Lm/m
Lumens (6000K)	796 Lm/m
Light emission	120º
Waterproofing	IP20
CRI	>90
Nº leds/m	240/m
Measurements	5000x5x1.4mm
Cuttable	every 25mm
PCB	5mm
Working temperature	-25°C / +45°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

Approved by: CE RoHS COMPLIANT





BARCELONA
C/ Carles Buhigues, 13
08420 Canovelles
Info@luznegra.net
Tel: +34 938 402 598

MADRID
C/ Adaptación, 27
28906 Getafe
centro@luznegra.net
Tel: +34 916 416 081

PARIS
113 Avenue Joffre
77450 Esbly
france@luznegra.net
Tel: +33 (0) 160 426 585

MEDIUM BRIGHTNESS | **CRETA** | **FLEXIBLE STRIP**

Features

Ecoled Creta is a flexible CTT led strip that is only controlled (lit) by two wires. A positive wire and a negative wire.

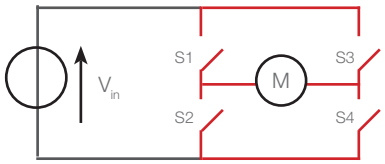
How do we perform temperature control when we only have two wire?

By means of an "H" connection. They are widely used in engines.

What is a bridge or 'H' connection?

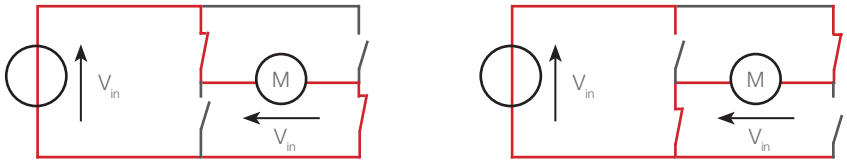
- H-bridge (electronics): is an electronic circuit generally used to allow a DC electric motor to rotate in both forward and reverse directions. They are widely used in robotics and as power converters. H-bridges are available as integrated circuits, but can also be built from discrete components.

1. Structure of an 'H' bridge (marked in red).



The term 'H-bridge' is derived from the typical graphical representation of the circuit. An 'H' bridge is constructed with 4 switches (mechanical or transistor). When switches S1 and S4 are closed (and S2 and S3 open) a positive voltage is applied to the motor, causing it to rotate in one direction. By opening switches S1 and S4 (and closing S2 and S3), the voltage is reversed, allowing the motor to rotate in the reverse direction.

2. The 2 basic connections of the circuit.

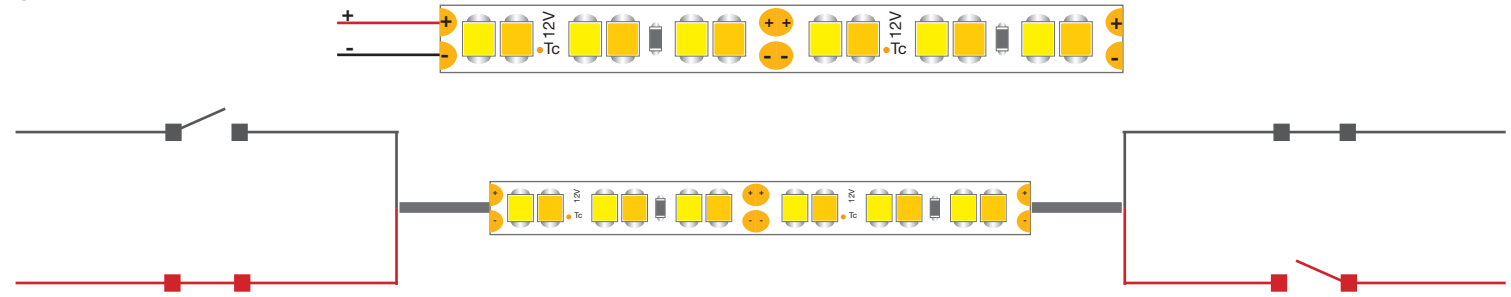


What does it mean, applying this to a led strip?

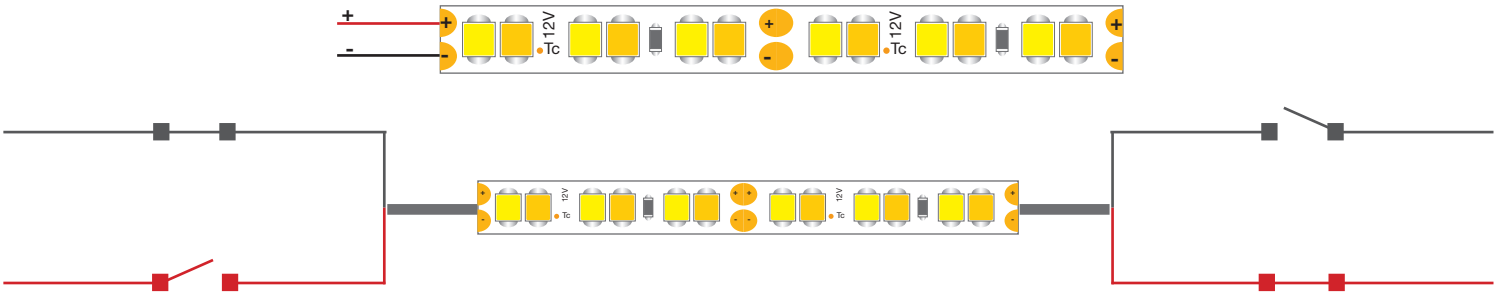
As we already know, all leds strips have a positive and a negative connection, as we can see in the image the below. We must place the positive cable of our power supply with the positive of the flexible strip and with the negative the same.

With our ecoled strip Creta, depending on how we connect the cables of the power supply to the strip, we will make it light up in one tone or another, as it can be connected in 'H' and as it has a small integrated circuit which determines in which tone it has to light up. If we generate voltages in the following ways, we will obtain one tone or another.

CW



WW



BARCELONA
C/ Carles Buhigues, 13
08420 Canovelles
Info@luznegra.net
Tel: +34 938 402 598

MADRID
C/ Adaptación, 27
28906 Getafe
centro@luznegra.net
Tel: +34 916 416 081

PARIS
113 Avenue Joffre
77450 Esbly
france@luznegra.net
Tel: +33 (0) 160 426 585

MEDIUM BRIGHTNESS | **CRETA** | **FLEXIBLE STRIP**

How to obtain the neutral tonality

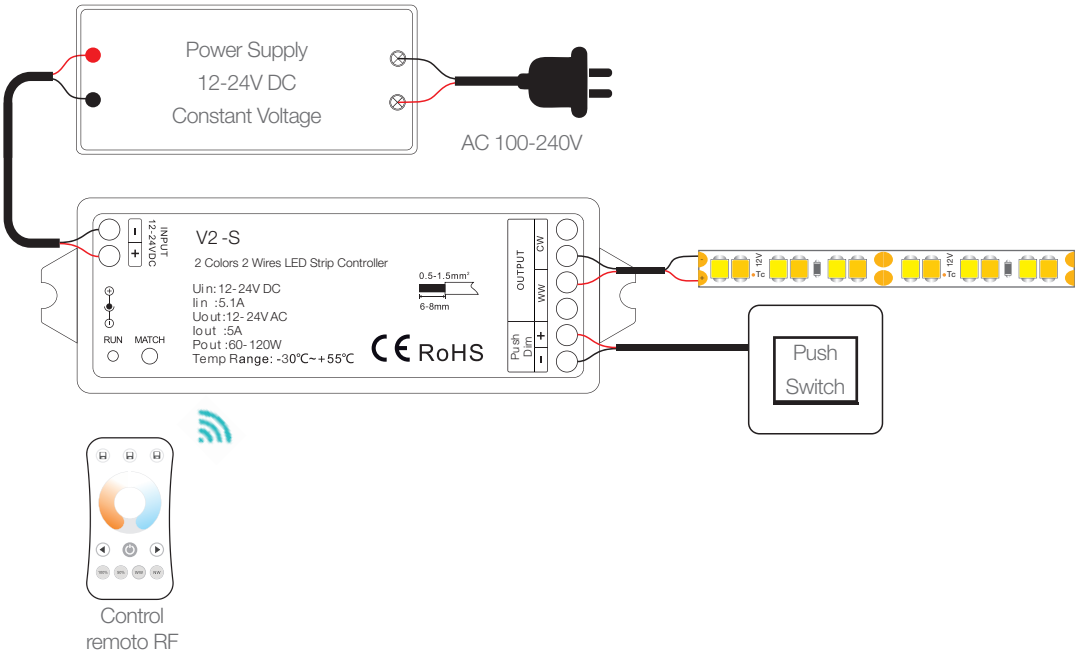
It cannot be generated directly by taking voltage from the power supply, because if we try to make the two connections simultaneously to the same source or independent sources, they short-circuit.

Compatible controllers

41.095

41.096

Type of connections:



Control
remoto RF