Standard series led strips

DOMOX-2835-XX-4(WD)X

High efficiency led strip with160 SMD2835 leds per meter

| IP20 | IP65 | Alu profile required | LED SMD 2835 |

Features

High brightness SMD 2835 LEDs according to "LM80".

Allows cutting by groups to facilitate its use.

Uniform shine along its entire length.

Powered at 24VDC, safe and suitable for universal use.

"SDCM5" Seleccion de MacAdam "step5".

"3M 300LSE" High performance adhesive.

Standard color reproduction "CRI>83".

Optional color reproduction "CRI>90".

International certifications available.

* COMPLIANT WITH LM80:
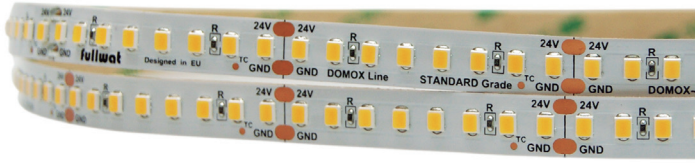 The life of the LED diodes has been tested according to the LM80 standard to achieve a
  expectation of 30,000 hours or more.

LM 80   RoHS   CE

fullwat
professional solutions

DOMOX-2835-XX-4(WD)X

Standard series

High efficiency led strip with 160 leds

160 Led/m	15 W/m	24V	Warranty up to 5 years

≤2411 lm/m	≤160 lm/w	LED SMD 2835	MacAdam 5 level SDCM BIN1

standard CRI >83	optional CRI >90

White color temperature range

2100k	2300k	2700k	3000k	4000k	6500k
21	23	BH	BC	BN	BF

extra warm white   cold white

10 Max. meters in series (one side powered)	3M 300 LSE	driver NOT included	120º	5m	6,25mm	5cm	30.000 h

20 Max. meters in series (two side powered)	Do not bend	ESD	Dimmable	Alu profile required	Working 50ºC -20ºC	Storage 60ºC -40ºC

Features

	Part number	CCT / wavelength	Luminous intensity per m / flux	Efficiency lm / W	Energy efficiency	Ordinary strip	Strip with waterproof part number "WD" suffix
	DOMOX-2835-21-4(WD)X	±2050~2150k	±1850lm	±123	E		
	DOMOX-2835-23-4(WD)X	±2250~2350k	±1900lm	±126	D	IP20	IP65
	DOMOX-2835-BH-4(WD)X	±2650~2800k	±2209lm	±147	C		
	DOMOX-2835-BC-4(WD)X	±2950~3250k	±2274lm	±151	C	5000mm 1,25mm 10mm	5000mm 5mm 11,5mm
	DOMOX-2835-BN-4(WD)X	±3800~4200k	±2411lm	±160	C		
	DOMOX-2835-BF-4(WD)X	±6400~6700k	±2313lm	±154	C		No color temperature deviation.

Notes
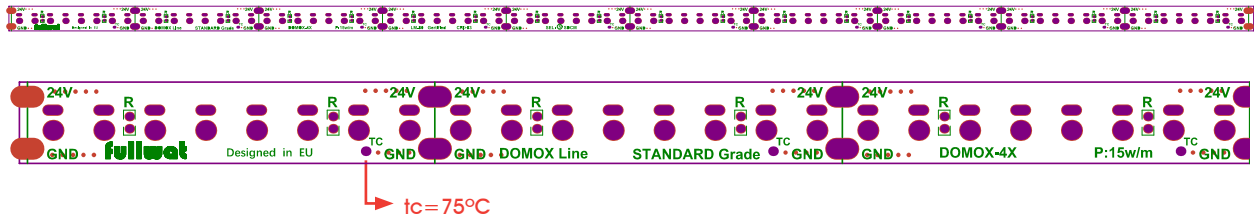
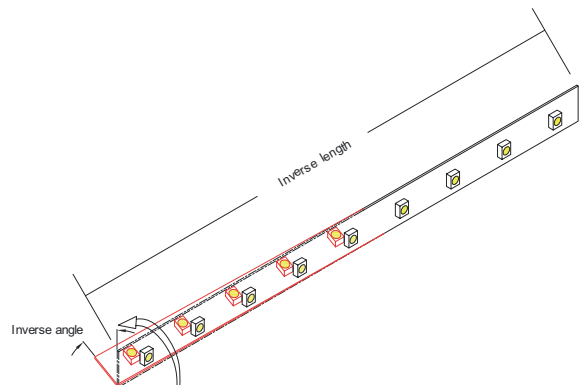| 25m	25 length models are available.
50m	50 length models are available under request. Contact to our Sales Department.

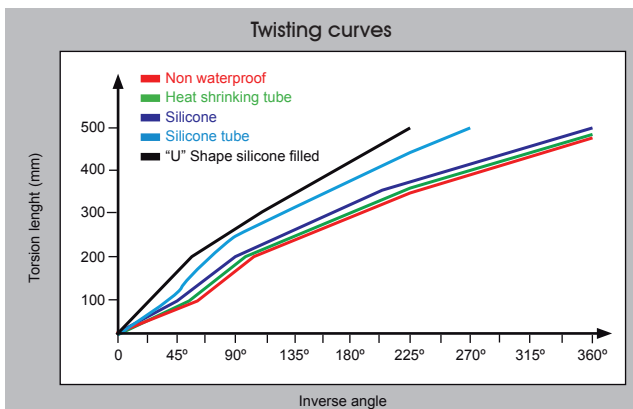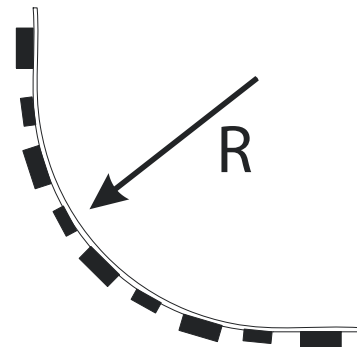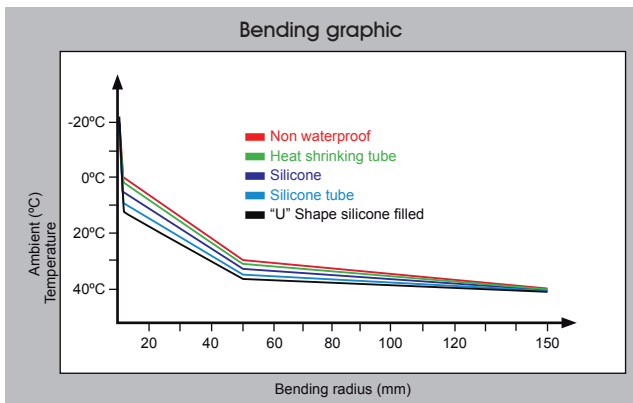## Specefic parameters

Reference	Waterproof materials	Size (mm)	Angle	Connections	Fixing mode	IP rate
DOMOX-2835-XX-4X	Non waterproof	10x1,25mm	120°	Wire red and black	Adhesive 3M 300 LSE	IP20
DOMOX-2835-XX-4WDX	Silicone extruded tube	11,5x5mm	120°	Wire red and black	Adhesive 3M 300 LSE	IP65

PCB Layout

tc = 75ºC

Bending grades

Bending graphic

- Non waterproof
- Heat shrinking tube
- Silicone
- Silicone tube
- "U" Shape silicone filled

Ambient (ºC) Temperature

Bending radius (mm)

R

Twisting curves

- Non waterproof
- Heat shrinking tube
- Silicone
- Silicone tube
- "U" Shape silicone filled

Torsion lenght (mm)

Inverse angle

Inverse length

Inverse angle

Reference point: strip bending at 0ºC.

DOMOX-2835-XX-4(WD)X

■ **NON-WATERPROOF MODEL**

Features

• IP20 easier assembling 3M 300LSE.
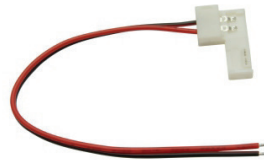
• Small in size, light in weight, flexible.

Optional accesories
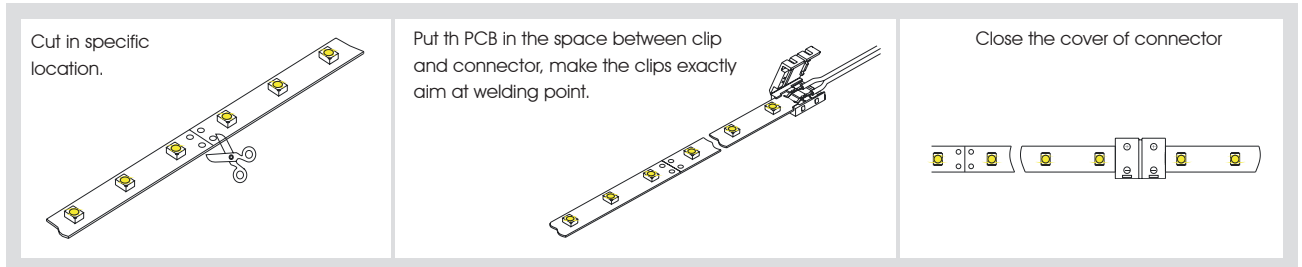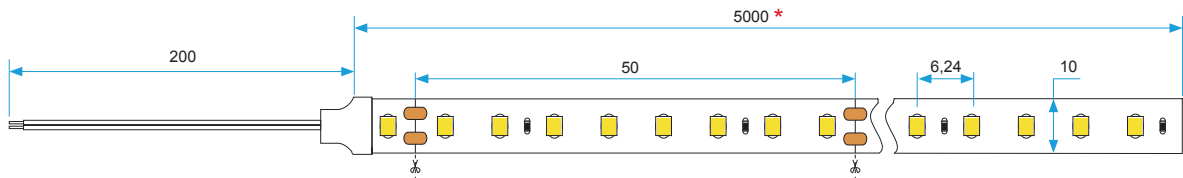
ACC10-JOIN-600

ACC10-CABLE-600

Operatin specification

Cut in specific location.	Put th PCB in the space between clip and connector, make the clips exactly aim at welding point.	Close the cover of connector

Product size
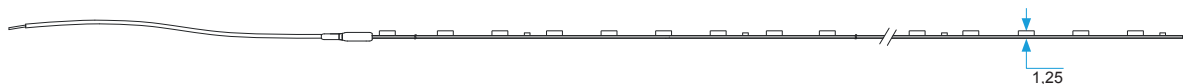
Front view

Units: mm

200   5000 *
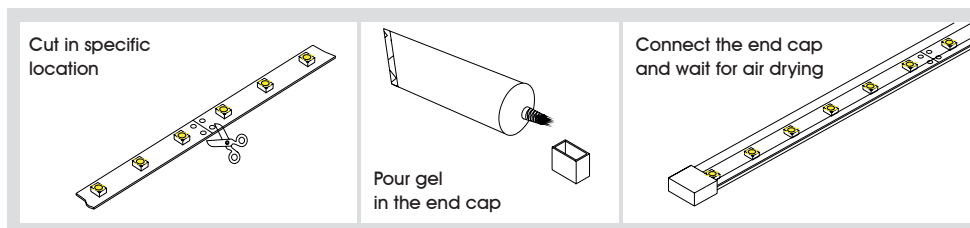
50   6,24   10

Side view

Units: mm

1,25

* 25 Length models are available for refences DOMOX-2835-XX-4X/25.
 50 Length models are available for references DOMOX-2835-XX-4X/50.

■ **WATERPROOF MODEL**

Features

• IP65 tightness with silicone coating.

• Resistance to high temperatures, high flexibility, anti UV, high optical transmittance (≥92%), non-toxic.

• **New sealing system** with extruded silicone that prevents changes to the original CCT value (color temperature). Easier handling of connections and welds between different sections.
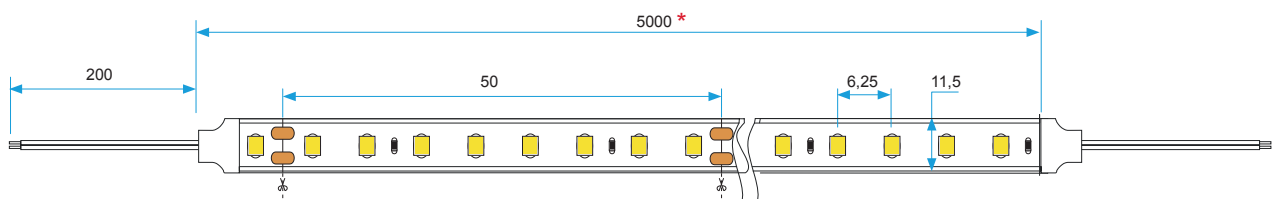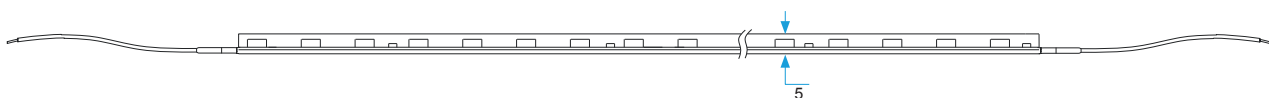
Handing

Cut in specific location

Pour gel in the end cap

Connect the end cap and wait for air drying

Product size

Front view

Units: mm

5000 *

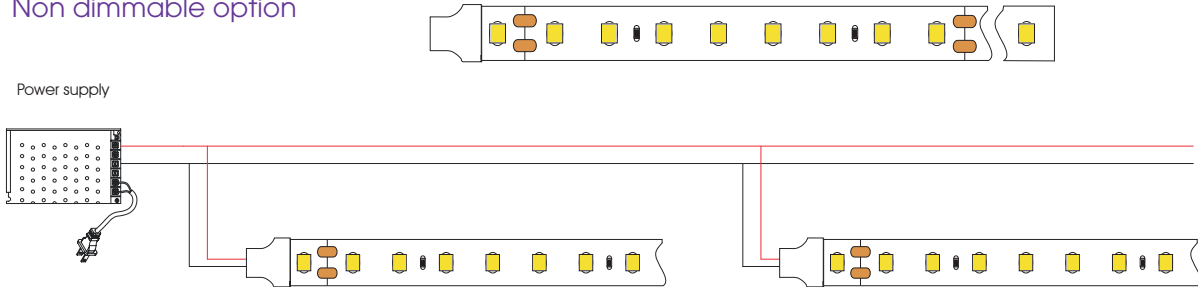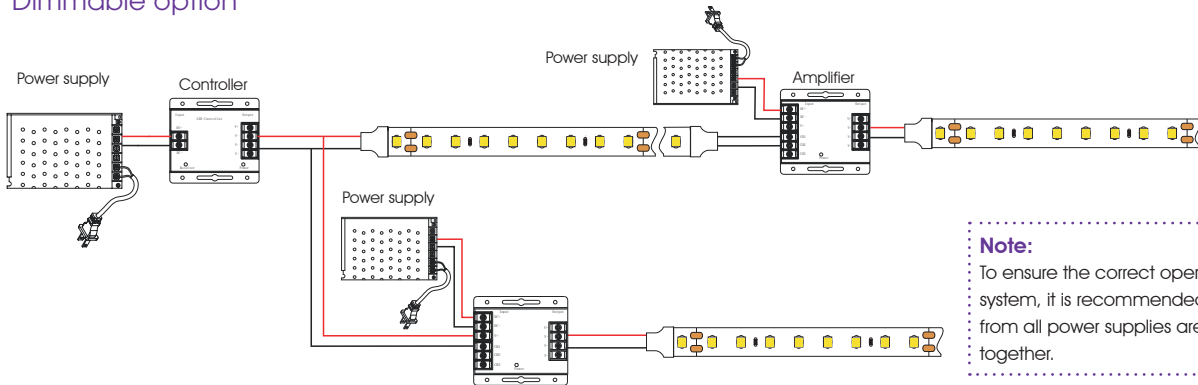200

50

6,25

11,5

Side view

Units: mm

5

* 25 Length models are available for references DOMOX-2835-XX-4WDX/25.
  50 Length models are available for references DOMOX-2835-XX-4WDX/50.

■ CONNECTION DIAGRAMS

Non dimmable option

Power supply

Dimmable option
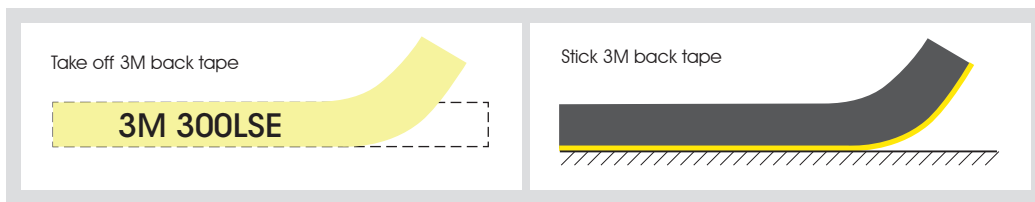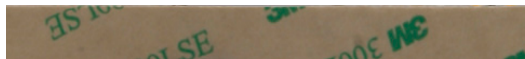
Power supply   Controller

Power supply

Amplifier

Power supply

Note:
To ensure the correct operation of the control system, it is recommended that negatives from all power supplies are connected together.

■ INSTALLATION

Adhesive 3M 300LSE

Take off 3M back tape

3M 300LSE

Stick 3M back tape

■ PACKAGING

Reel

ANTIESTATIC BAG

Certifications

Specifications

EAN bar code

Installation directives and cautions

Additional performance