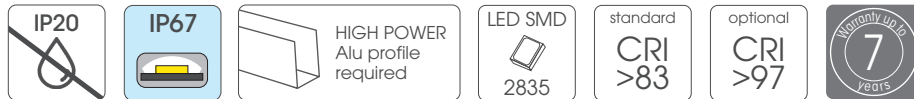# fullwat®

professional *solutions*

Led Strip **Extra Professional Series**

FU-BLF-2835-2165-(W)X

White strip with color change
with 112 SMD2835 LEDs per meter

| IP20 | IP67 | HIGH POWER Alu profile required | LED SMD 2835 | standard CRI >83 | optional CRI >97 | Warranty up to 7 years |

Warm white   Cold white

Features

High brightness SMD 2835 LEDs compliant with LM80.

Cuttable by groups to facilitate use.

Uniform shine along entire length.

Constant current design extends useful life.

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

International certifications available.
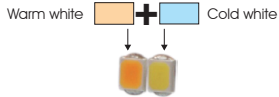
Aplications

Decoration of shop windows and hotels.

Decoration of ceilings, furniture, automobiles.

Flexible for long distance connections, especially suitable for special lighting requirements.

* LM80 CERTIFIED:
 LED LIFESPAN tested under LM80;
 Expected LIFETIME of 30,000h.

LM 80   RoHS   CE

FU-BLF-2835-2165-(W)X

Professional series

White strip with tonality change

| 112 Led/m | 22 W/m | 24V | Warranty up to 7 years |

| ≤2100 lm/m | ≤123 lm/w | LED SMD 2835 | MacAdam 3 level SDCM BIN1 |

| standard CRI >83 | optional CRI >97 |

Warm white + Cold white

Tunable white color

White color temperature range

2100k ———————————————————————— 6500k

21   BF

extra warm white   cold white

| 10 Max. meters in series (one side powered) | VHB 3M | driver NOT included | 120° | 5m | 17,86mm | 10,66cm ✂ | 30.000 h 🕐 |

| 20 Max. meters in series (two side powered) | ADF PCB | Do not blend | ESD | Dimmable | HIGH POWER Alu profile required | Working 50°C / -20°C | Storage 60°C / -40°C |

Features

Part number	CCT / wavelength	Luminous intensity per m / flux	Efficiency lm / W	Energy efficiency	Ordinary strip	Strip with waterproof part number "W" suffix
FU-BLF-2835-2165-(W)X	±2100~6500k	±1350lm/m/canal	±123	E	IP20 5000mm 1,25mm 10mm	IP67 5000mm 4mm 12mm — No color temperature deviation.

Notes

Waterproof led strips covered by silicone material use to suffer an unavoidable CCT value modification owing to optical effect caused when light beam passes through material.

Initial CCT values are increased several hundreds or thousands of °K. This increasing is much higher in coldest white CCTs.

New FULLWAT molded silicone system avoids this effect and our waterproof led strips are CCT rated at original value without modification.

Please, contact with your local sales office to get more details.

25m — 25 length models are available.

50m — 50 length models are available under request. Contact to our Sales Department.

Specific parameters

Reference	Waterproof materials	Size (mm)	Connections	Modo de fijación	Grado IP
FU-BLF-2835-2165-X	Non waterproof	10x1,25	Silicone wire red, white and yellow	Adhesive 3M VHB	IP20
FU-BLF-2835-2165-WX	silicone tube + silicone gel	12x4		clips + screws	IP67

■ **NON WATERPROOF MODEL**

Features

• IP20 easier assembling 3M VHB.

• Small size, light weight, flexible.

Product size

Frontal view

Units: mm

5000 *

106,6

17,86

150

10

10

10

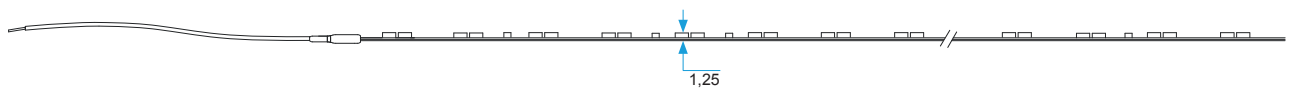### Size view

Units: mm

1,25
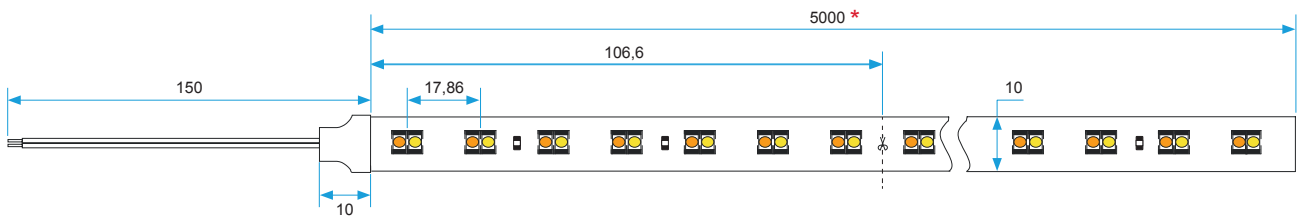
* 25 meter models for references FU-BLF-2835-2165-X/25.
  50 meter models for references FU-BLF-2835-2165-X/50.
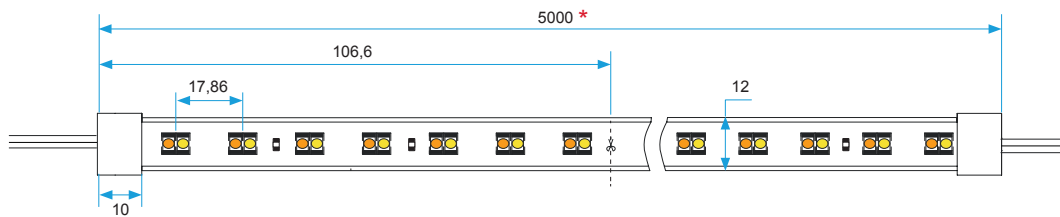
■ WATERPROOF MODEL

Features

• IP67 Rating with high performance molded silicone.

• High temperature, maximum flexibility, anti- UV, non toxic and improved optical transmittance >92%
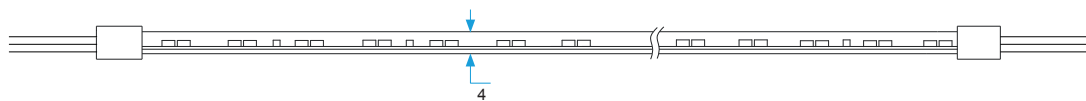

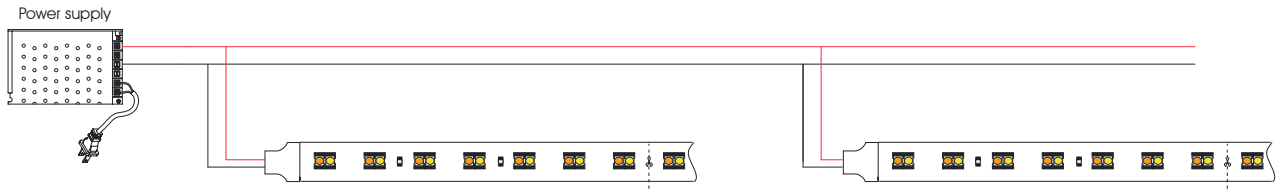### Product size

Front view
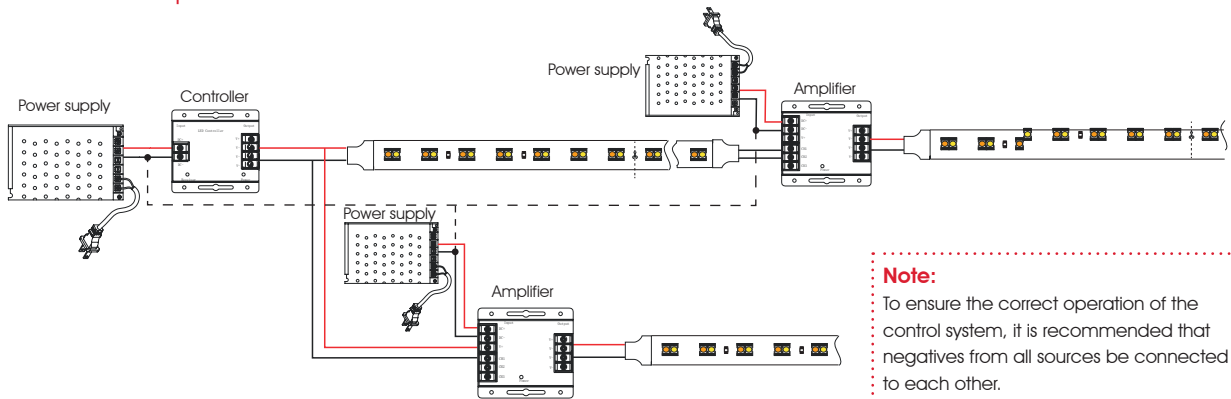
Units: mm

Side view

Units: mm

* 25 length models are available for references FU-BLF-2835-2165-WX/25.
   50 length models are available for references FU-BLF-2835-2165-WX/50.
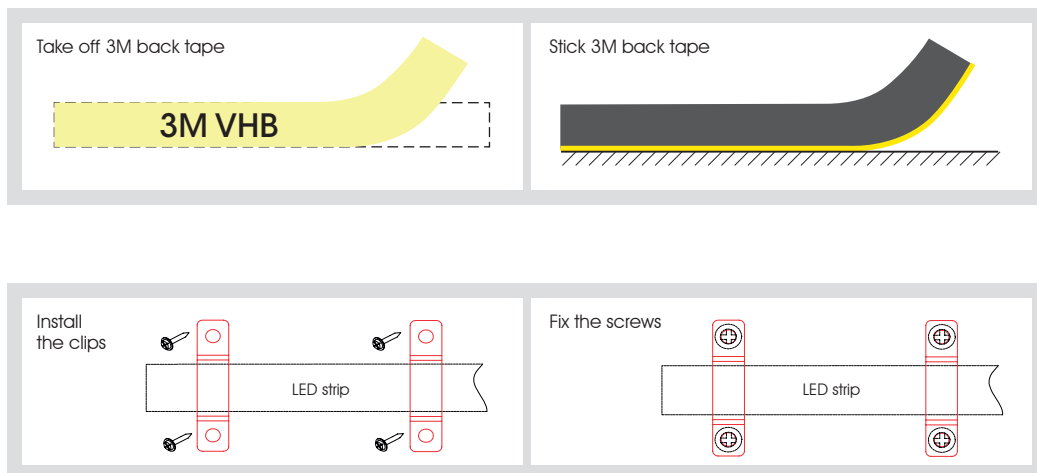
■ CONNECTION DIAGRAMS

Non dimmable option

Power supply

Dimmable option

Power supply

Controller

Power supply

Amplifier

Power supply

Amplifier

Note:
To ensure the correct operation of the control system, it is recommended that negatives from all sources be connected to each other.

■ INSTALLATION

Adhesive 3M VHB

3M VHB™

Take off 3M back tape	Stick 3M back tape
3M VHB	

Install the clips	Fix the screws
LED strip	LED strip

■ PACKAGING

Reel

ANTIESTATIC BAG

Certifications

Specifications

EAN bar code

Installation directives and cautions

Additional performance

■ NOTES

1. Choose the product with the appropriate IP rating for your application environment.

2. Do not damage the flexible PCB during installation.

3. Choose a suitable power supply for the strip.

4. Disconnect the power supply during installation and make sure the wiring is correct before reconnecting the power.

5. Connection length must not be greater than maximun legth. Exceeling maximun length may cause overcharging, uneven brightness, or other damage.

6. Do not stare at the LEDs for a long time, it may cause damage to your eyes.

7. Installation, maintenance and disassembly work must be carried out by qualified personnel.