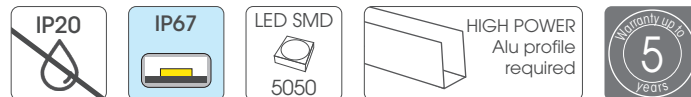# Ultraviolet Professional series led strips

FU-BLF-5060-UV-ESP*(W)X

Ultraviolet dimmable led strip with SMD5050 60 LEDs per meter

| IP20 | IP67 | LED SMD 5050 | HIGH POWER Alu profile required | Warranty up to 5 years |

Features

Available in 24 VDC.

Very bright and low power consumption, professional grade led strip.

LED type SMD5050 (3 in 1 chip) LED Qty: 60 LED/meter

Operating temperature: -20~50ºC.

Long life span LED: expected lifetime 50,000hours.

Can be used with controllers, dimmers and multiple amplifiers.

Waterproof IP67 or IP20 version available.

* LM80 CERTIFIED:
  LED LIFESPAN tested under LM80;

LM 80   RoHS   CE

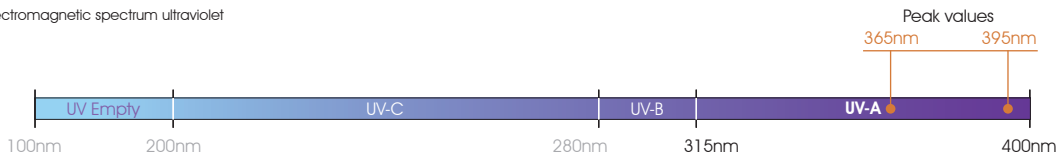## FU-BLF-5060-UV-ESP*(W)X

Professional series

fluorescence and curing

60 Led/m	12 W/m	24V	7 years Warranty up to

≤90 lm/m	UV-A		390 nm

LED SMD
5050

Electromagnetic spectrum ultraviolet

Peak values
365nm   395nm

UV Empty	UV-C	UV-B	UV-A

100nm   200nm   280nm   315nm   400nm

CAUTION

UV avoid eye and skin exposure

VHB 3M

driver NOT included

120°

5m

16,66mm

10cm

30.000 h

+50°C -20°C

Do not bend

ESD

Dimmable

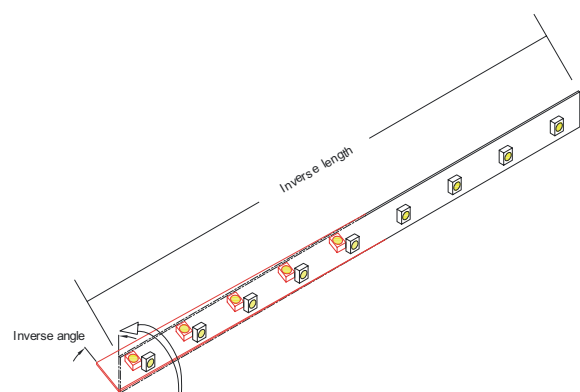Alu profile required
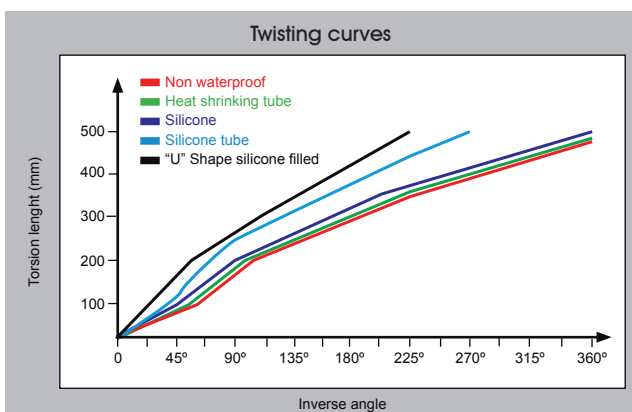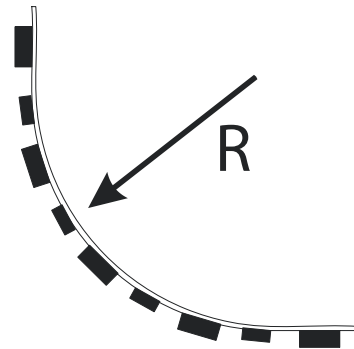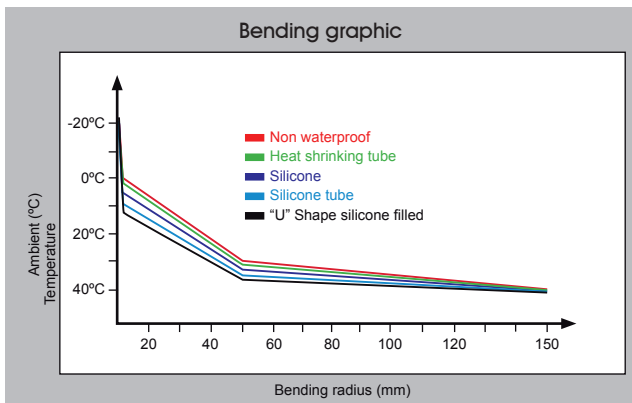
Working 50°C -20°C

Storage 60°C -40°C

Features

Part number	CCT / wavelength	Luminous intensity per m / flux	Efficiency lm / W	Ordinary strip	Strip with waterproof part number "W" suffix
				IP20	IP67
FU-BLF-5060-UV-ESP(W)X	±390~395nm	±90lm	±7,5	5000mm 1,25mm 12mm	5000mm 4mm 14mm
					No wavelength deviation.

Specific parameters

Reference	Waterproof materials	Size (mm)	Connections	Fixing mode	IP rate
FU-BLF-5060-UV-ESPX	Non waterproof	10 x 1.25	Silicon wire black and red	Adhesive 3M VHB	IP 20
FU-BLF-5060-UV-ESPWX	Silicone extruded tube	12 x 4	5.5mm DC rate	Adhesive 3M VHB	IP 67

Bending grades

Bending graphic

Ambient (ºC) Temperature

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

Bending radius (mm)

R

Twisting curves

Torsion lenght (mm)

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

Inverse angle

Inverse length

Inverse angle

Reference point: strip bending at 0ºC.

■ **NON-WATERPROOF MODEL**

Features

• IP20 easier assembling 3M VHB.

• Small in size, light in weight, flexible.

Optional accesories

ACC10-JOIN-600

ACC10-CABLE-600

More optional accessories available (see catalog "LED decoration lighting)
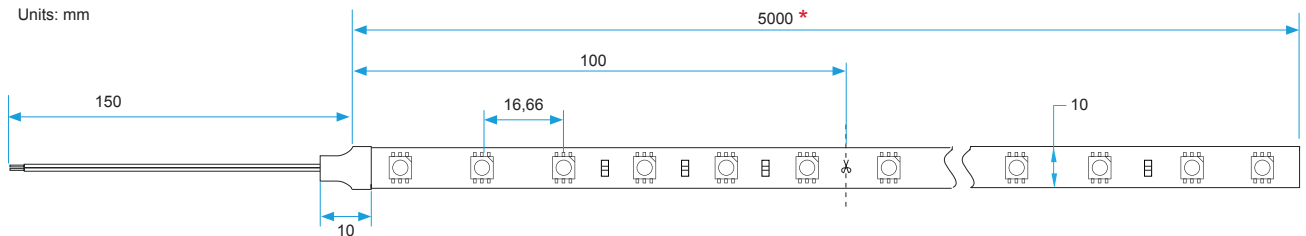
Operation specification

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

5000 *

100

150

16,66

10

10

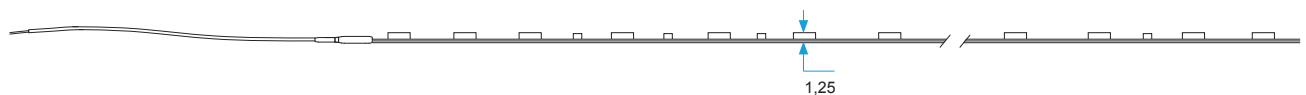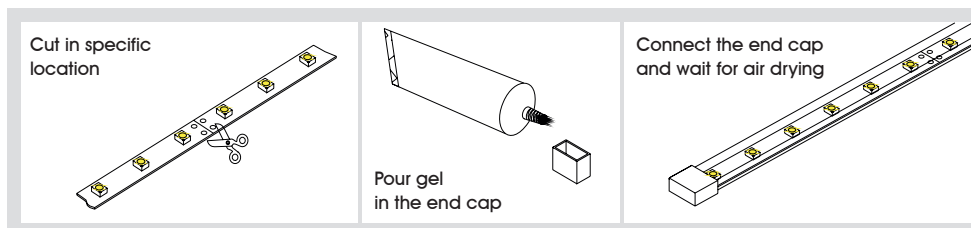Side view
Units: mm

1,25

■ WATERPROOF MODEL

Features

- IP67 tightness with silicone coating.

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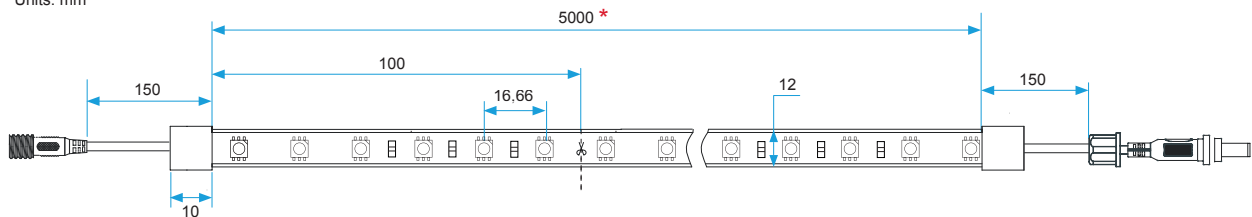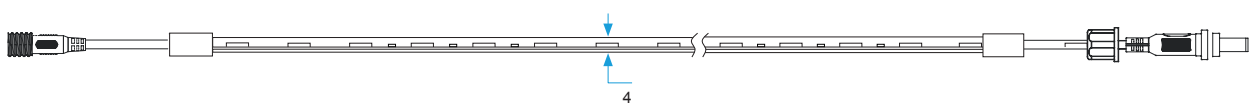high optical transmittance (≥92%), non-toxic.

Optional accesories

Silicone caps

ACC10-CAPS-SIDE1

ACC10-CAPS-SIDE2

Male-female DC conectors

FU-BLF-CON-SEALED

Silicone gel tube

FU-BLF-GLUE

Handling

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 *

150

100

16,66

12

150

10

Side view

Units: mm

4

■ CONNECTION DIAGRAMS

Non dimmable option

Power supply

Dimmable option

Power supply

Power supply

Controller

Amplifier

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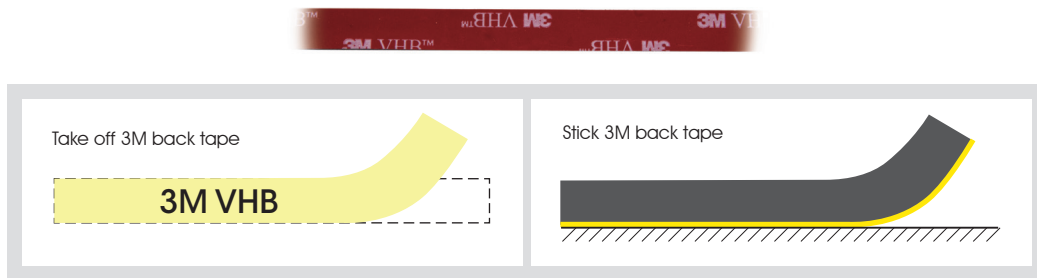
Amplifier
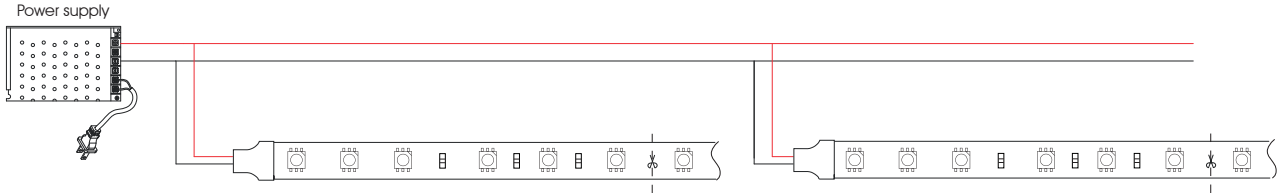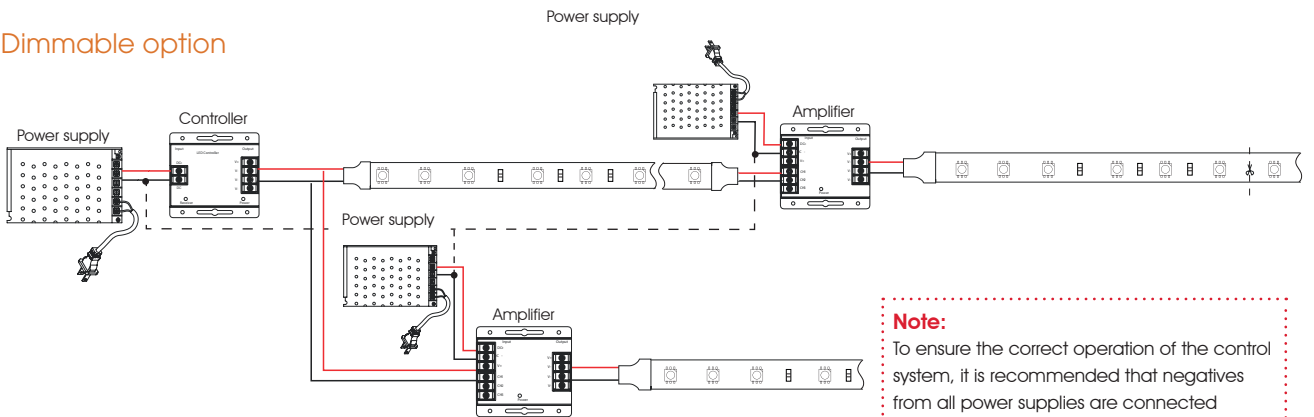
Note:
To ensure the correct operation of the control system, it is recommended that negatives from all power supplies are connected together.

■ INSTALLATION

Adhesive 3M VHB

Take off 3M back tape

3M VHB

Stick 3M back tape

■ PACKAGING

Reel

ANTIESTATIC BAG

Certifications

Specifications

EAN bar code

Installation directives and cautions

Additional performance