SurMountor

SPECIFICATION

SUR-2835FW120CC-10

Features:

- Input Voltage: 24V (18-30V)

- Watt: 14.4W/Meter

- Max application: 15M without votage drop

- Very bright & low power consumption.

- Operating temperature: -20~50°C.

- Long life span LED lights, more than 50,000 hours+.

- Adhesive back, peel & stick!

- Dimmable by controller or sensor switch.
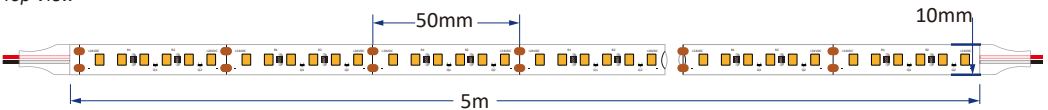
- IP Rate: IP20/IP65/IP67/IP68

IP20	IP65	IP65	IP67	IP67	IP68
Non-Waterproof	Silicone Resin	Silicone Extrusion	Silicone Tube	Silicone Extrusion	Silicone Resin

IP Rated

IP Rated	Picture	Description	Size	Optional CCT/color for finished product	Lumen output rate
IP20		Non-waterproof	10mm*1.5mm	3000K/4000K/6500K/customized	100%
IP65		Silicone Resin	10mm*2mm	3000K/4000K/6500K/customized	98%
IP65		Silicone Extrusion	10mm*4mm	3000K/4000K/6500K/customized	90%
IP67		Silicone Tube	12mm*4mm	3000K/4000K/6500K/customized	88%
IP67		Silicone Extrusion	12mm*5mm	3000K/4000K/6500K/customized	86%
IP68		Silicone Resin	12mm*4mm	3000K/4000K/6500K/customized	86%

Assembly drawing

Top View

50mm

10mm

5m

Section

1.5mm

The Chromaticity Diagram

Photometric of 1M strip

AAI Figure

※ **Warranty is based on indoor use**

Electronic & output data

CRI: 80/90
Input voltage: 24V (18-30V)
Typical Power: 14.4W(1m) /72W(5m)

Copper foil： 3oz
On-off times： 10000（test times）

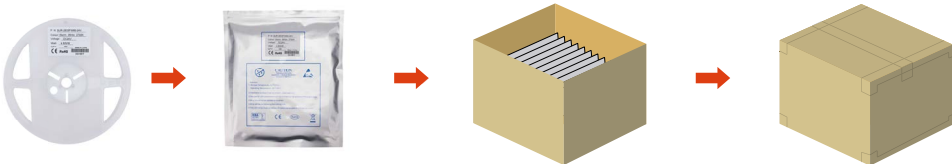| CRI	Color	CCT	Lumen(lm)
Ra>80	WW	3000K	1300
Ra>80	NW	4000K	1450
Ra>80	CW	6500K	1600

CRI	Color	CCT	Lumen(lm)
Ra>90	WW	3000K	1100
Ra>90	NW	4000K	1200
Ra>90	CW	6500K	1300

Recommend Accessories

Name	Picture		Description
QC-IP20-M10EE-2			Quick connector: Strip -Strip , 10mm PCB, IP20
CT121			CT001: 8MM Click Plug, strip to strip
TD003			TD003: Touch Switch Dimmer

General customized package

IP Process	Product size (mm)	Quantity / CTN (m)	Carton Size (cm)	Weight (kg)
IP20	5000*8*1.5	250	51*27*39	11
IP65	5000*8*4	150	51*27*39	13
IP67	5000*10*5	150	51*27*39	17
IP68	5000*10*4	150	51*27*39	19

⚠ Cautions:

When install the led strip, please note the installation technique. The led strip can be bent, but not distorted, as shown below:

R>=50MM
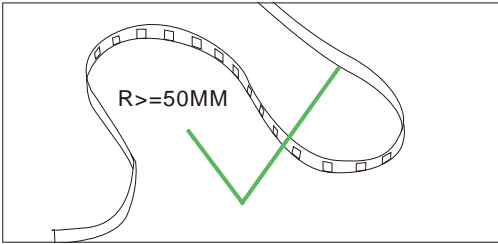
Bend (Right)
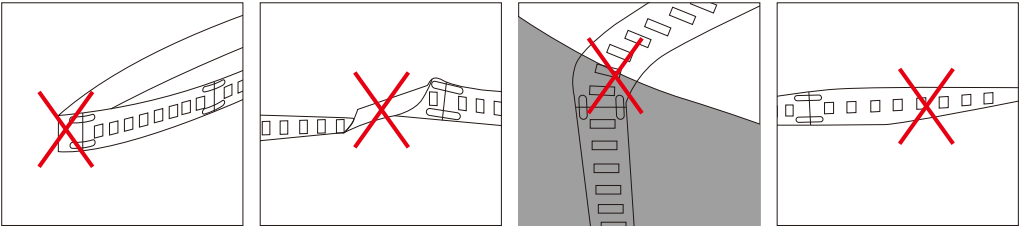
Distortion(Wrong)

※ Please drive the led strip with 12VDC isolated power, and the ripple of the constant voltage source should be less than 5%.

※ Please do not bend the strip into an arc with a diameter less than 60mm to ensure the longevity and reliability.

※ Do not fold it in case any damage of LED beads.

※ Do not pull the power wire hard to ensure the longevity. Any Crash may damage the LED light is prohibited.

※ Please make sure the wire is connected to the anode and cathode correctly. The power output should be consistent with the voltage of the strip to avoid damage.

※ LED lights should be stored in dry, sealed environment. Please only unpack it before usage. Ambient temperature: -25°C~40°C.Storage temperature: 0°C~60°C.Please use the strips without waterproof within indoor environment with humidity less than 70%.

※ Please be careful during operation. Do not touch the AC power supply in case of electric shock.

※ Please leave at least 20% power for the power supply during using to ensure there is enough power supply to drive the product.

※ Do not use any acid or alkaline adhesives to fix the product (e.g.: glass cement).