


SPECIFICATION

SUR-2835FW80-24V




 **ENERG**

Surmountor
SUR-2835FCW80-24V 6500K RA80 14.4W/M

A
B
C
D
E
F
G

D

72
kWh/1000h



2019/2015



Features:

- Available in 24V DC maximum.
- High Light Efficiency: 155LM/W.
- 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

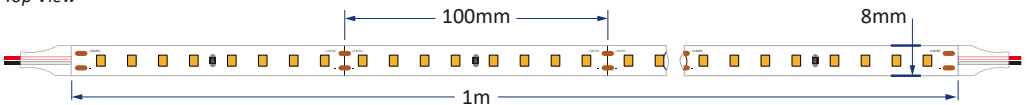


IP Rated

IP Rated	Picture	Description	Size	Optional CCT/color for finished product	Lumen output rate
IP20		Non-waterproof	8mm*1.5mm	3000K/4000K/6500K/customized	100%
IP65		Silicone Resin	8mm*2mm	3000K/4000K/6500K/customized	98%
IP65		Silicone Extrusion	8mm*4mm	3000K/4000K/6500K/customized	90%
IP67		Silicone Tube	10mm*4mm	3000K/4000K/6500K/customized	88%
IP67		Silicone Extrusion	10mm*5mm	3000K/4000K/6500K/customized	86%
IP68		Silicone Resin	10mm*4mm	3000K/4000K/6500K/customized	86%

Assembly drawing

Top View



Section



Electronic & output data

CRI: 80/90

Input voltage: DC24V

Typical Power: 14.4W(1m) /72W(5m)

Copper foil: 3oz

On-off times: 10000 (test times)

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class	Energy efficiency label number
Ra>80	WW	3000K	2100	145	D	1010648
Ra>80	NW	4000K	2150	150	D	1011288
Ra>80	CW	6500K	2250	155	D	1012047
Ra>90	WW	3000K	1850	128	E	1011280
Ra>90	NW	4000K	1950	135	D	1012044
Ra>90	CW	6500K	2050	142	D	1012049







Typical Power: 9.6W(1m) /48W(5m)

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class	Energy efficiency label number
Ra>80	WW	3000K	1450	150	D	1010594
Ra>80	NW	4000K	1500	155	D	1010613
Ra>80	CW	6500K	1550	160	D	1010631
Ra>90	WW	3000K	1285.2	134	E	1010603
Ra>90	NW	4000K	1353.6	141	D	1010623
Ra>90	CW	6500K	1411.2	147	D	1010637

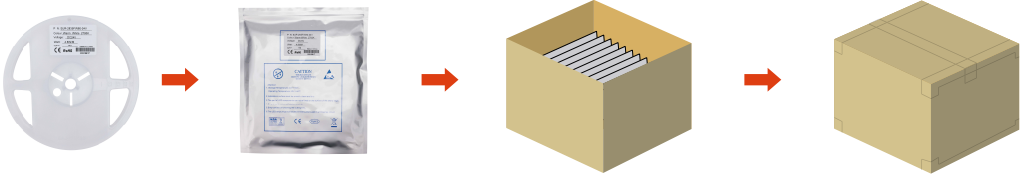
Typical Power: 4.8W(1m) /24W(5m)

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class	Energy efficiency label number
Ra>80	WW	3000K	700	146	D	1010279
Ra>80	NW	4000K	750	156	D	1010448
Ra>80	CW	6500K	790	165	D	1010580
Ra>90	WW	3000K	650	135	D	1010396
Ra>90	NW	4000K	680	142	D	1010475
Ra>90	CW	6500K	700	146	D	1010587

Recommend Accessories

Name	Picture		Description
QC-IP20-M8EE/M10EE-2			Quick connector: Strip -Strip , 8MM /10mm PCB, IP20
CT001			CT001: 8MM Click Plug, strip to strip
TD003			TD003: Touch Switch Dimmer

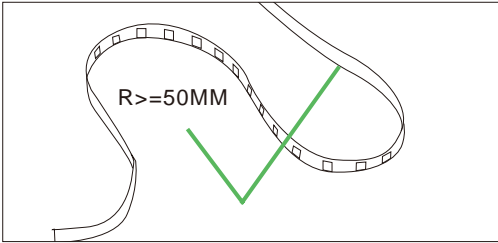
General customized package



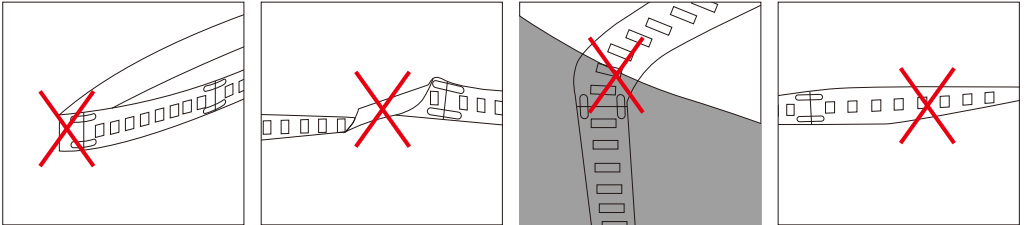
IP Process	Product size (mm)	Quantity / CTN (m)	Carton Size (cm)	Weight (kg)
IP20	5000*8*1.5	250	51*27*39	11
IP65	5000*8*4	150	51*27*39	13
IP67	5000*10*5	150	51*27*39	17
IP68	5000*10*4	150	51*27*39	19

⚠ Cautions:

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



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: $-25^{\circ}\text{C}\sim 40^{\circ}\text{C}$. Storage temperature: $0^{\circ}\text{C}\sim 60^{\circ}\text{C}$. 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).