


SPECIFICATION

SUR-2835FW160-24V




 **ENERGY**

Surmountor
SUR-2835FCW160-24V 6500K RA80 19.2W/M

A	
B	
C	
D	←
E	
F	
G	

96
kWh/1000h

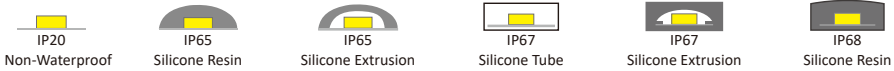


2019/2015



Features:

- Available in 24V DC maximum.
- High Light Efficiency: 160LM/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

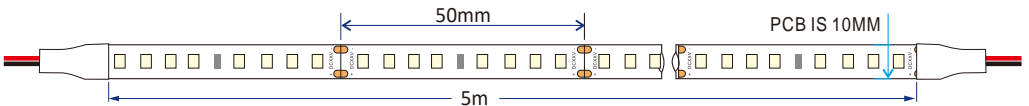


IP Rated

IP Rated	Picture	Description	Size	Optional CCT/color for finished product	Lumen output rate
IP20		Non-waterproof	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



Section



Electronic & output data

CRI: 80/90

Input voltage: DC24V

Typical Power: 21.6W(1m) /108W(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	3250	150	D	1012776
Ra>80	NW	4000K	3350	155	D	1012794
Ra>80	CW	6500K	3500	160	D	1012813
Ra>90	WW	3000K	2880	133	E	1012782
Ra>90	NW	4000K	3024	140	D	1012803
Ra>90	CW	6500K	3168	147	D	1012823

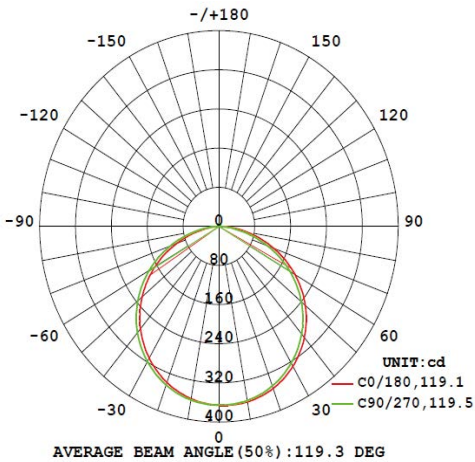
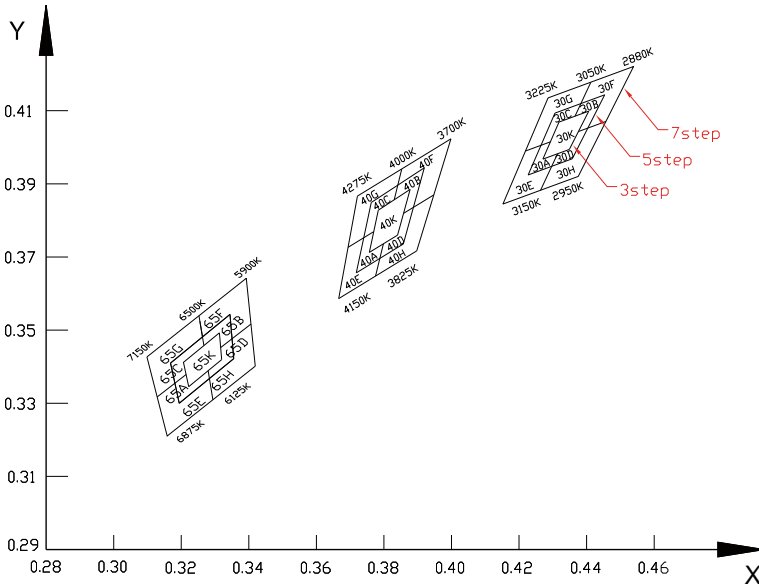
Typical Power: 19.2W(1m) /96W(5m)

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class	Energy efficiency label number
Ra>80	WW	3000K	2900	150	D	1012708
Ra>80	NW	4000K	3000	155	D	1012729
Ra>80	CW	6500K	3100	160	D	1012754
Ra>90	WW	3000K	2570.4	134	E	1012719
Ra>90	NW	4000K	2707.2	141	D	1012736
Ra>90	CW	6500K	2822.4	147	D	1012769

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

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class	Energy efficiency label number
Ra>80	WW	3000K	2150	150	D	1012050
Ra>80	NW	4000K	2250	155	D	1012359
Ra>80	CW	6500K	2350	163	D	1012368
Ra>90	WW	3000K	1965.6	137	D	1012056
Ra>90	NW	4000K	2044.8	142	D	1012361
Ra>90	CW	6500K	2160	150	D	1012693

The Chromaticity Diagram









Photometric of 1M strip

Height	Envg, Bmax	Angle: 119.11deg	Diameter
1m	92.40, 365.81x		340.27cm
2m	23.10, 91.451x		680.54cm
3m	10.27, 40.651x		1020.82cm
4m	5.775, 22.861x		1361.09cm
5m	3.696, 14.631x		1701.36cm
6m	2.567, 10.161x		2041.63cm
7m	1.886, 7.4661x		2381.90cm
8m	1.444, 5.7161x		2722.18cm
9m	1.141, 4.5161x		3062.45cm
10m	0.9240, 3.6581x		3402.72cm

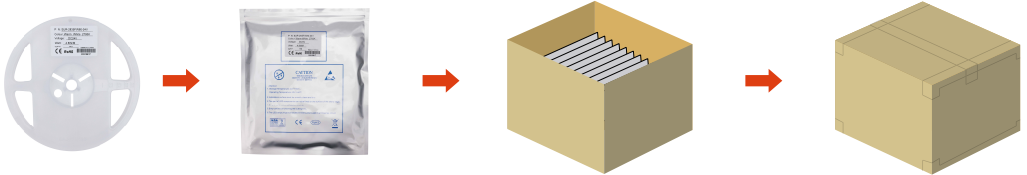
AAI Figure

※ Warranty is based on indoor use

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

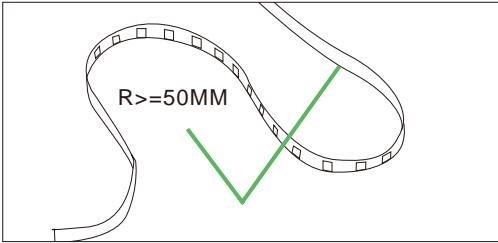
General customized package



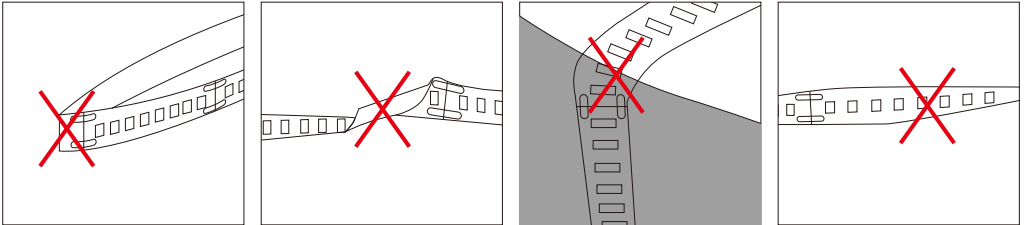
IP Process	Product size (mm)	Quantity / CTN (m)	Carton Size (cm)	Weight (kg)
IP20	5000*10*1.5	250	51*27*39	12
IP65	5000*10*4	150	51*27*39	14
IP67	5000*12*5	150	51*27*39	18
IP68	5000*12*4	150	51*27*39	20

⚠ 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°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).