

# SPECIFICATION

SUR-2835FW144-24V



### Features:

- Available in 24V DC maximum.
- High Light Efficiency: 205LM/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

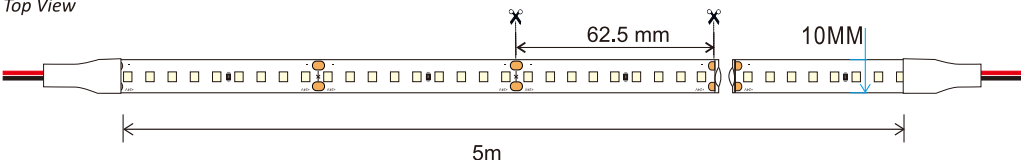


### IP Rated

IP Rated	Picture	Description	Size	Optional CCT/color for finished product	Lumen output rate
IP20		Non-waterproof	10mm*1.5mm	2700K/3000K/4000K/6500K/customized	100%
IP65		Silicone Resin	10mm*2mm	2700K/3000K/4000K/6500K/customized	98%
IP65		Silicone Extrusion	10mm*4mm	2700K/3000K/4000K/6500K/customized	90%
IP67		Silicone Tube	12mm*4mm	2700K/3000K/4000K/6500K/customized	88%
IP67		Silicone Extrusion	12mm*5mm	2700K/3000K/4000K/6500K/customized	86%
IP68		Silicone Resin	12mm*4mm	2700K/3000K/4000K/6500K/customized	86%

### Assembly drawing

Top View



Section



### Electronic & output data

CRI: 80

Input voltage: DC24V

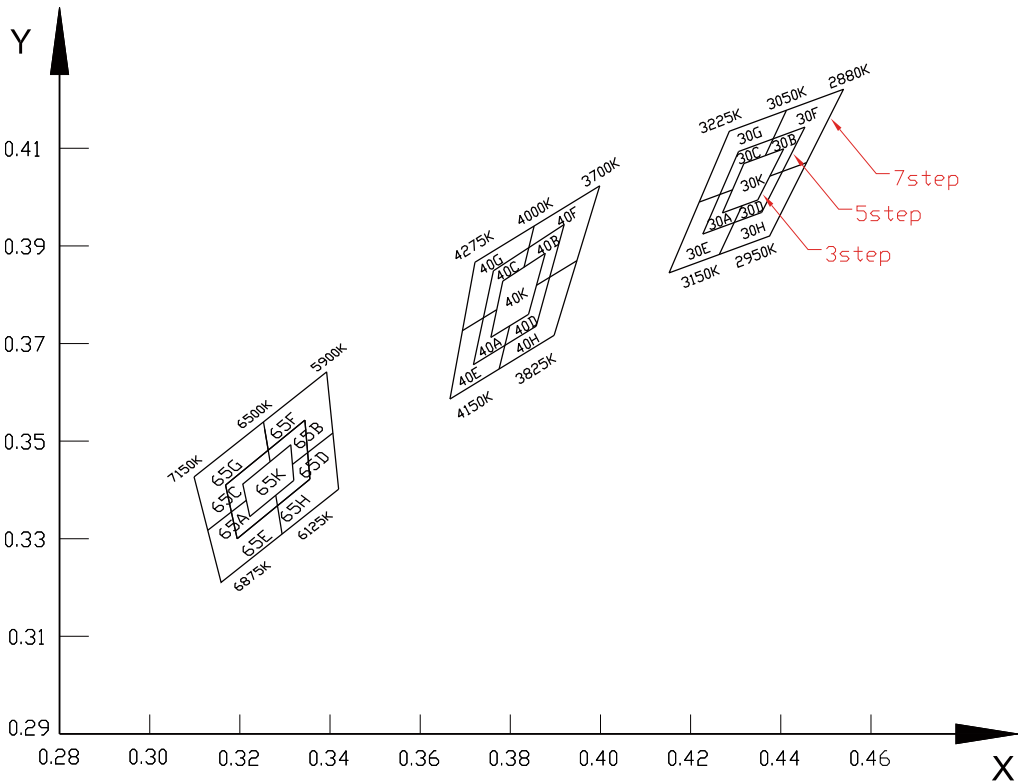
Typical Power: 7.6W(1m) /38W(5m)

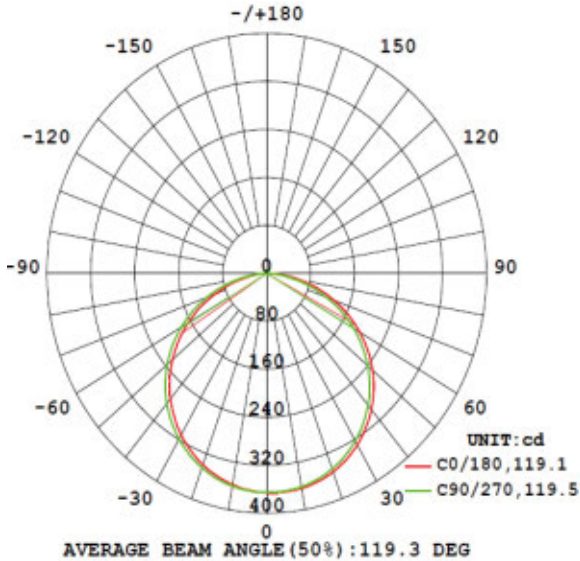
Copper foil: 3oz

On-off times: 10000 ( test times)

CRI	Color	CCT	Lumen(lm)	lm/W	Energy efficiency class
Ra>80	WW	2700K	1482	195	B
Ra>80	WW	3000K	1520	200	B
Ra>80	NW	4000K	1560	205	B
Ra>80	CW	6500K	1560	205	B

### The Chromaticity Diagram

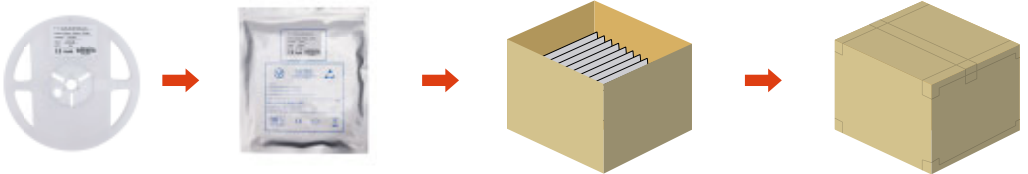




Photometric of 1M strip

※Warranty is based on indoor use

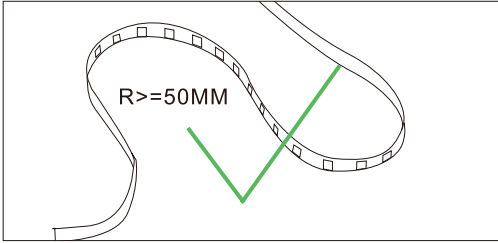
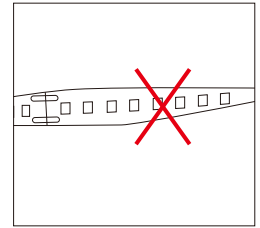
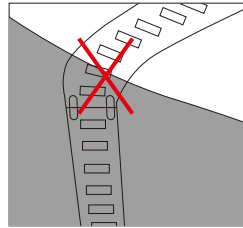
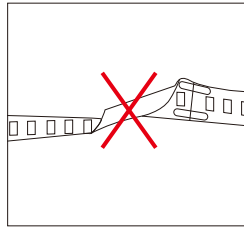
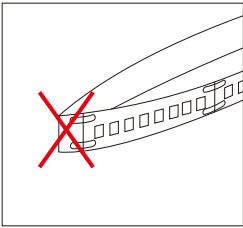
### General customized package



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 24VDC 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).