

2835 SMD LED Flexible Strip

2835 60 Leds/m 14.4W

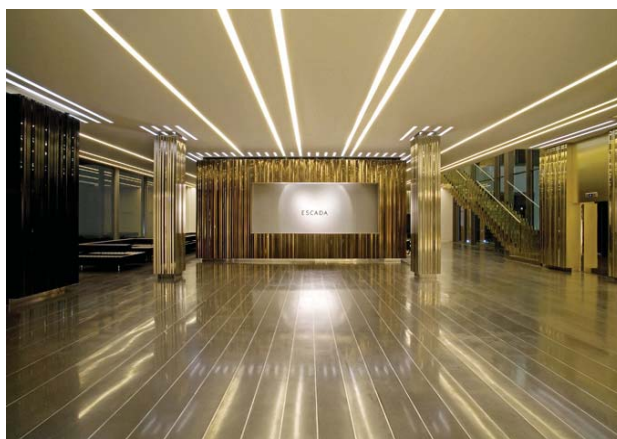


Features

- Eco friendly.
- Long life span, standard warranty 3 years.
- Complete cut / connection accessories.
- No need of constant-current power feed.
- Low power consumption.
- Custom packing.

Application

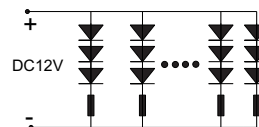
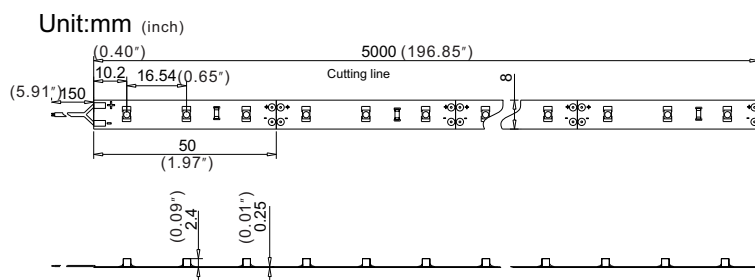
- Cove lighting.
- Architectural lights for canopy, corridor, window, archway.
- Backlight or edge lighting for signage.
- DIY lights for home use.
- Path and contour marking.
- Decorative lights for holiday, event, show, exhibition.



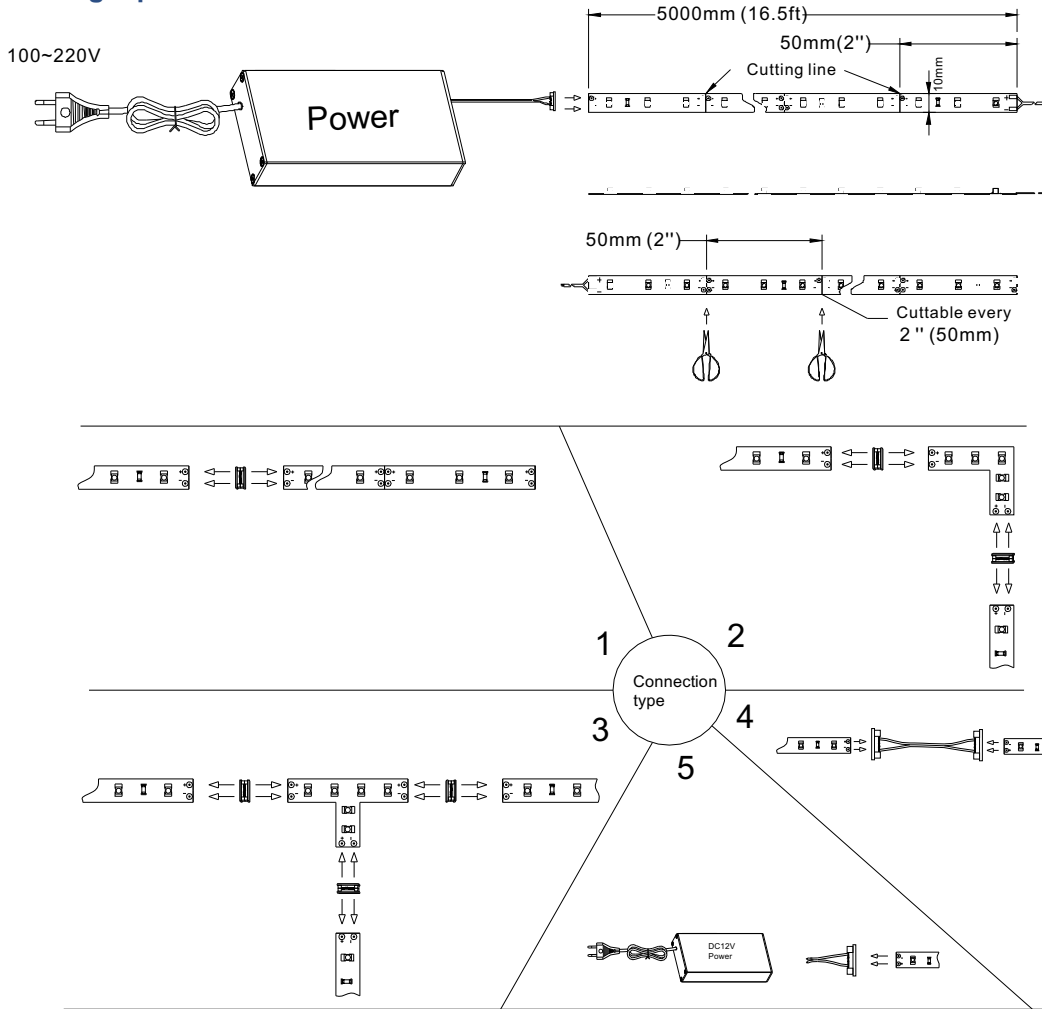
Technical parameters

Model Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lumen/m)	Beam Angle (degrees)	Voltage (V DC)	Current (Amps/m)	Max. Power Consumption (W/m)	IP	Continuous Connection (m)
FL-12FS2835-60-CW	White	5	300	2835	1440	120	12	1.2	14.4W	20	10
FL-12FS2835-60-NW	Natural White	5	300		1280	120	12	1.2	14.4W	20	10
FL-12FS2835-60-WW	Warm White	5	300		1170	120	12	1.2	14.4W	20	10
FL-24FS2835-60-CW	White	5	300		1440	120	24	0.6	14.4W	20	10
FL-24FS2835-60-NW	Natural White	5	300		1280	120	24	0.6	14.4W	20	10
FL-24FS2835-60-WW	Warm White	5	300		1170	120	24	0.6	14.4W	20	10

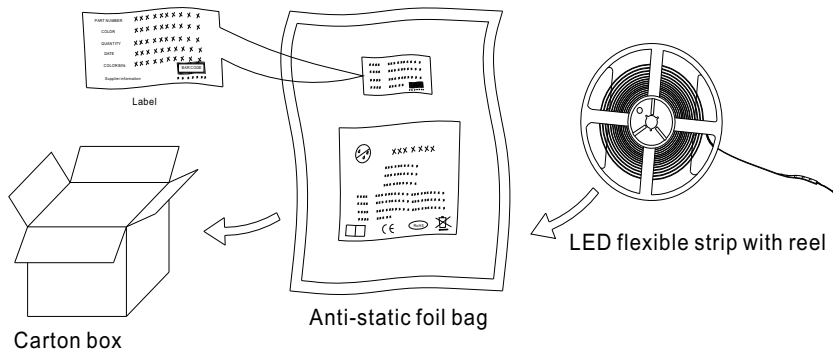
Dimension & Circuit drawings



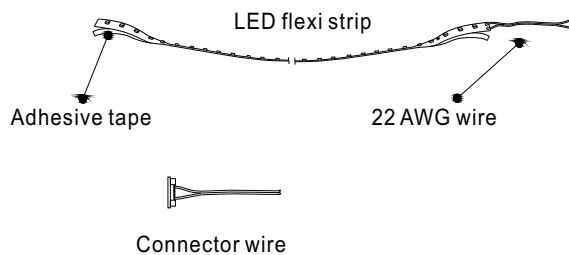
Linking operation



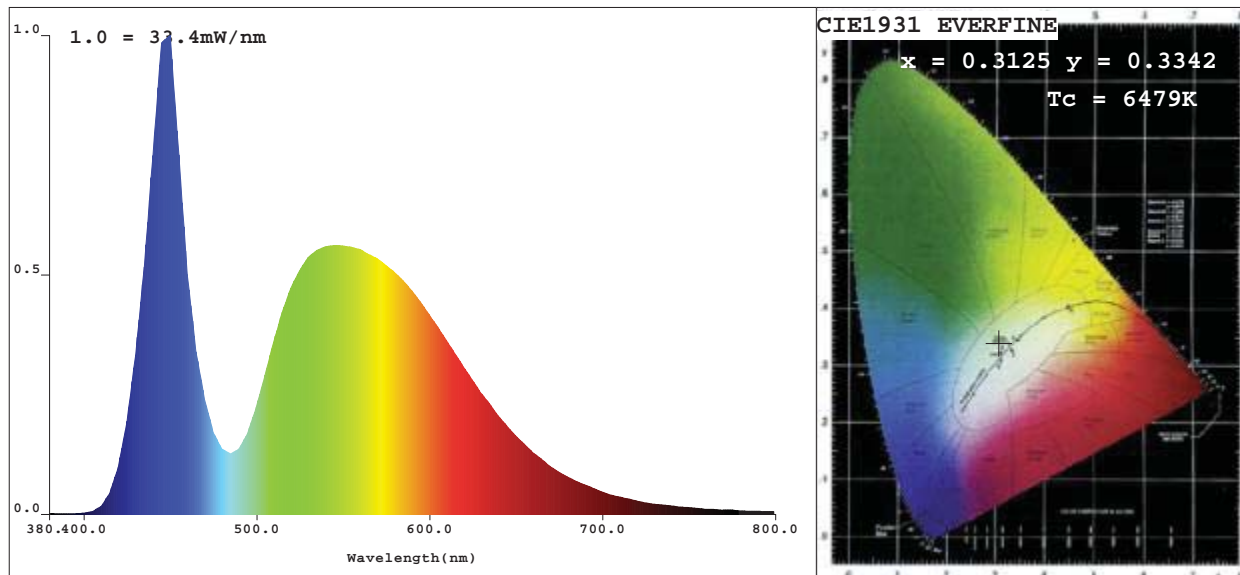
※ Packing information



※ Connectors



Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate: $x=0.3125$ $y=0.3342$ / $u'=0.1957$ $v'=0.4711$ ($duv=5.98e$
 CCT: $T_c= 6479K$ Prcp WaveL: $\lambda_d=492.3nm$ Purity=7.0%
 Peak WaveL: $\lambda_p=450nm$ Half Width: $\Delta\lambda_p=25.4nm$ Ratio: $R=11.8\%$ $G=84.3\%$ $B=3.8\%$
 Average Wave: 541nm PB=3.4061 PG=3.3008 PR=2.1787 PT=102.5312
 Rendering Index: $R_a=71.2$
 R1 =69 R2 =74 R3 =77 R4 =73 R5 =70 R6 =66 R7 =81 R8 =60
 R9 =0 R10=38 R11=70 R12=42 R13=69 R14=87 R15=63

Photo Parameters:

Flux: $\Phi=1440.1(lm)$ Luminous Efficacy: 82.15(lm/W) Luminous Power: $P=3.437(W)$

Electrical Parameters:

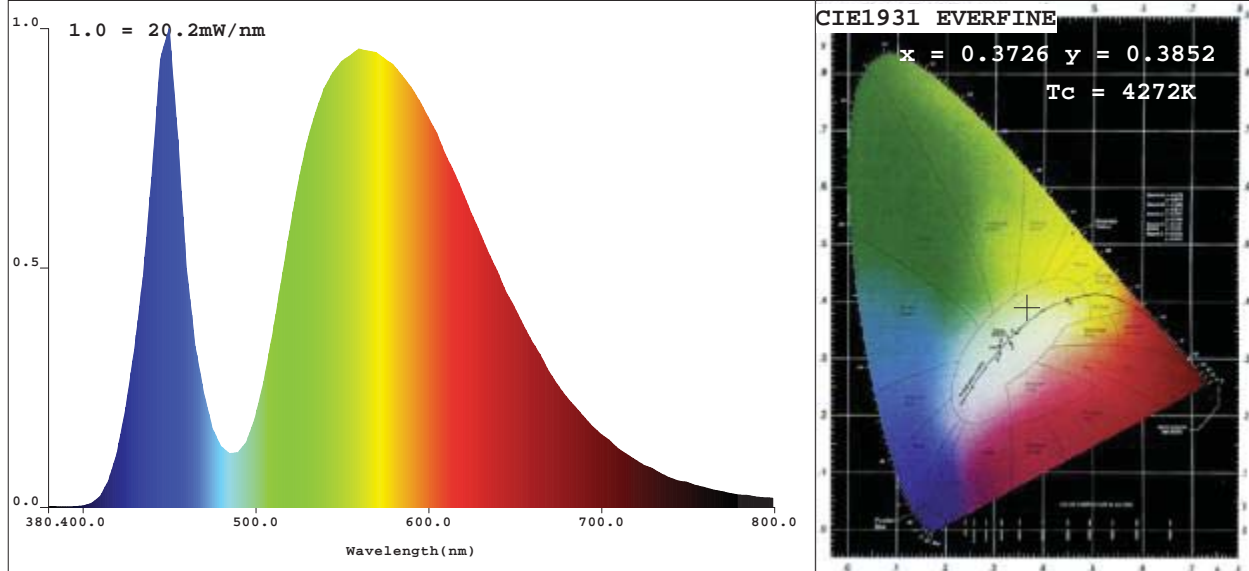
$U=12.00V$ $I=1.167A$ $P=14.00W$ $PF=1.000$

Instrument Status:

Scan Range:380.0nm-800.0nm Interval:5.0nm $I_p = 16447(G=3,D=48)$
 REF = 22886 TMP(PMT) = 26.7(deg.celsius) Test Mode: Fast Test

Product Type:FL-12FS2835-60CW-1M Manufacturer:FINE LED
 Instrument:PMS-50 System Test Department: FINE LED
 Temperature:50.6deg Humidity:65.0%
 Test Operator: Test Date:2012-12-06 11:42

Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate: $x=0.3726$ $y=0.3852$ / $u'=0.2167$ $v'=0.5041$ ($duv=6.30e$)
 CCT: $T_c=4272K$ Prcp WaveL: $\lambda_d=574.7nm$ Purity=27.4%
 Peak WaveL: $\lambda_p=450nm$ Half Width: $\Delta\lambda_p=24.5nm$ Ratio: R=15.2% G=82.6% B=2.2%
 Average Wave: 567nm PB=3.3910 PG=5.1106 PR=4.4256 PT=159.3968
 Rendering Index: Ra=67.9
 R1 =64 R2 =73 R3 =78 R4 =67 R5 =63 R6 =60 R7 =81 R8 =55
 R9 =0 R10=34 R11=59 R12=29 R13=65 R14=87 R15=60

Photo Parameters:

Flux: $\Phi=1280.0(lm)$ Luminous Efficacy: 85.34(lm/W) Luminous Power: P=3.239(W)

Electrical Parameters:

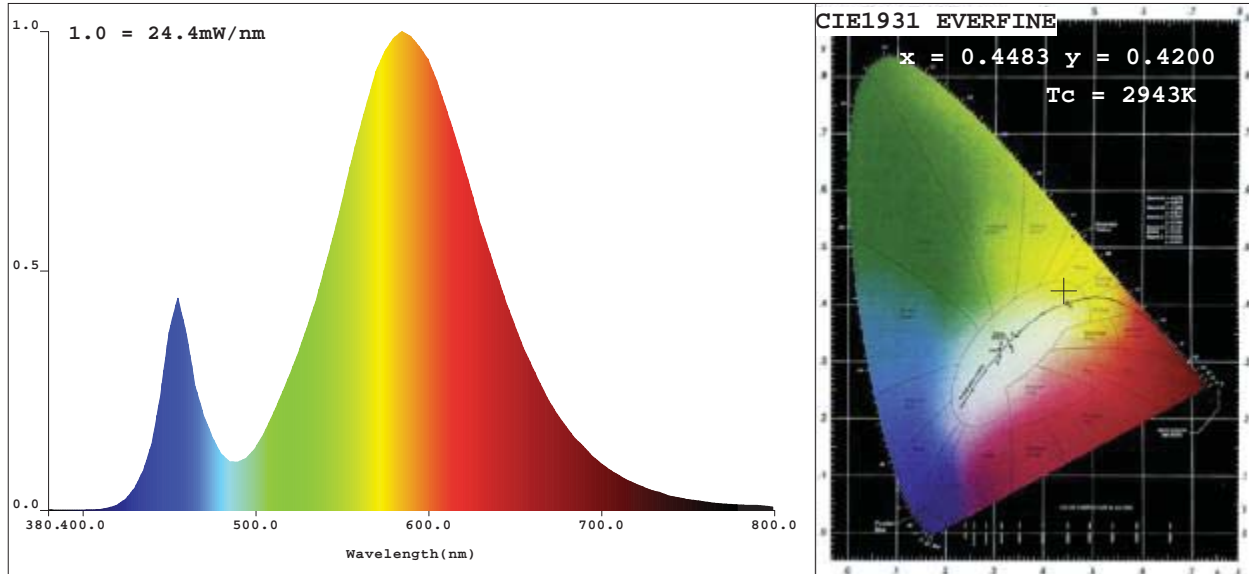
U=12.00V I=1.080A P=12.96W PF=1.000

Instrument Status:

Scan Range: 380.0nm-800.0nm Interval: 5.0nm Ip = 39525(G=4,D=49)
 REF = 22777 TMP(PMT) = 26.4(deg.celsius) Test Mode: Fast Test

Product Type: FL-12FS2835-60NW-1M Manufacturer: FINE LED
 Instrument: PMS-50 System Test Department: FINE LED
 Temperature: 50.7deg Humidity: 65.0%
 Test Operator: Test Date: 2012-12-06 11:50

Light Source Test Report



CIE Color Parameters:

Chromaticity Coordinate: $x=0.4483$ $y=0.4200$ / $u'=0.2510$ $v'=0.5292$ ($duv=4.69e$)
 CCT: $T_c=2943K$ Prcp WaveL: $\lambda_d=581.6nm$ Purity=60.7%
 Peak WaveL: $\lambda_p=585nm$ Half Width: $\Delta\lambda_p=99.3nm$ Ratio: $R=19.7\%$ $G=78.6\%$ $B=1.6\%$
 Average Wave: 585nm PB=1.8341 PG=3.0475 PR=5.0195 PT=123.6242
 Rendering Index: $R_a=62.1$
 R1 =55 R2 =76 R3 =93 R4 =52 R5 =53 R6 =64 R7 =74 R8 =29
 R9 =0 R10=45 R11=39 R12=28 R13=59 R14=96 R15=48

Photo Parameters:

Flux: $\Phi=1155.9(lm)$ Luminous Efficacy: 85.39(lm/W) Luminous Power: $P=3.030(W)$

Electrical Parameters:

U=12.00V I=1.102A P=13.22W PF=1.000

Instrument Status:

Scan Range: 380.0nm-800.0nm Interval: 5.0nm Ip = 24925(G=4,D=50)
 REF = 23070 TMP(PMT) = 24.5(deg.celsius) Test Mode: Fast Test

Product Type: FL-12FS2835-60WW-1M Manufacturer: FINE LED
 Instrument: PMS-50 System Test Department: FINE LED
 Temperature: 25.4deg Humidity: 65.0%
 Test Operator: mo fu mei Test Date: 2012-12-12 09:36

Safety Information

- The strip itself and all its components may not be mechanically stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- Installation of LED ribbon (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Correct electrical polarity needs to be observed. Wrong polarity may destroy the strip.
- Parallel connection is highly recommended as safe electrical operation mode.
- Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the strip.
- Please ensure that the power supply is of adapters power to operate the total load.
- When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between strip and the mounting surface.
- Pay attention to standard ESD precautions when installing the strip.
- Damaged by corrosion will not be honored as a materials defect claim.

It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.