



SHENZHEN BESTON ELECTRONICS CO., LTD.

2835 Strip Series Specification

2017.03 V-2.0



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General

High lighting effect series led strip, apply to main lighting, auxiliary lighting, etc. lighting place. With the features of low LM depreciation, long life time. Multi-colors are available, able to ensure consistent CCT without any aberration, keeps same bin for every shipment.

Material & Technology:

SMD 2835 LED as lighting sources. Ra>80/Ra>90/Ra>95 & high brightness.

3M adhesive, more viscous.

Multi-accessories available makes convenient installation.

Working voltage: DC12V/DC24V .

IP20, IP55, IP65, IP67, IP68 for option .

Working temperature and Storage temperature: -25°C - 65°C .

Characteristics

Multiple colors



Multiple color temperature



Multiple waterproof grades



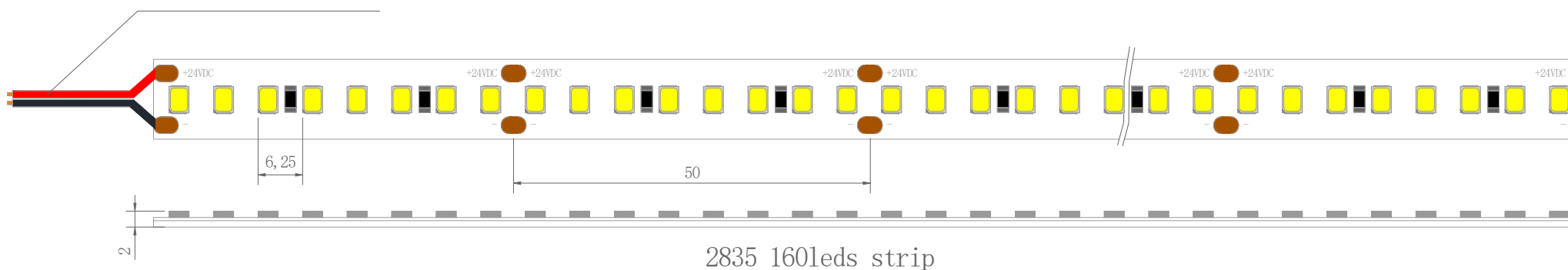
High brightness Efficacy >100lm/W/ Efficacy >150lm/W/ Efficacy >190lm/W

CRI >80 >90 >95

Specification

Model: 2835 160 LEDS strip **150LM/W**

Red/black wire L=120mm, 20AWG

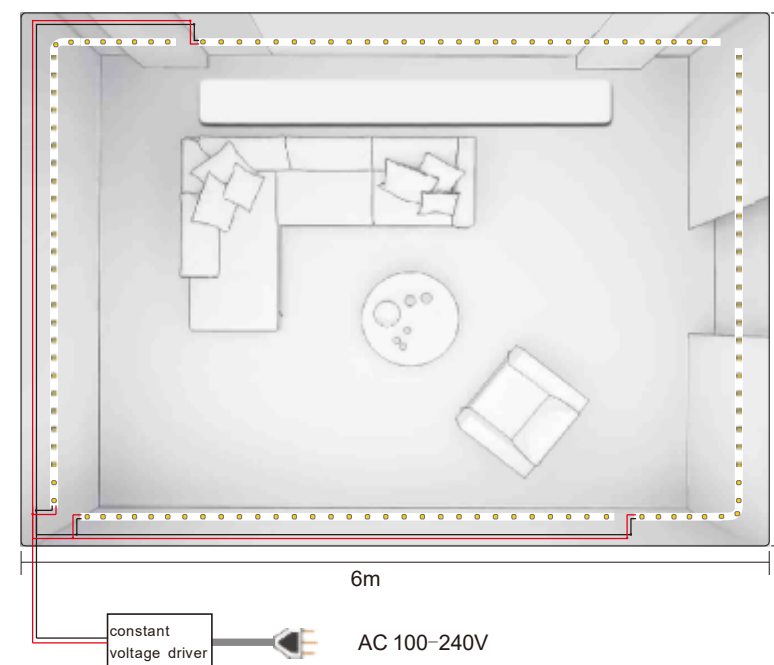
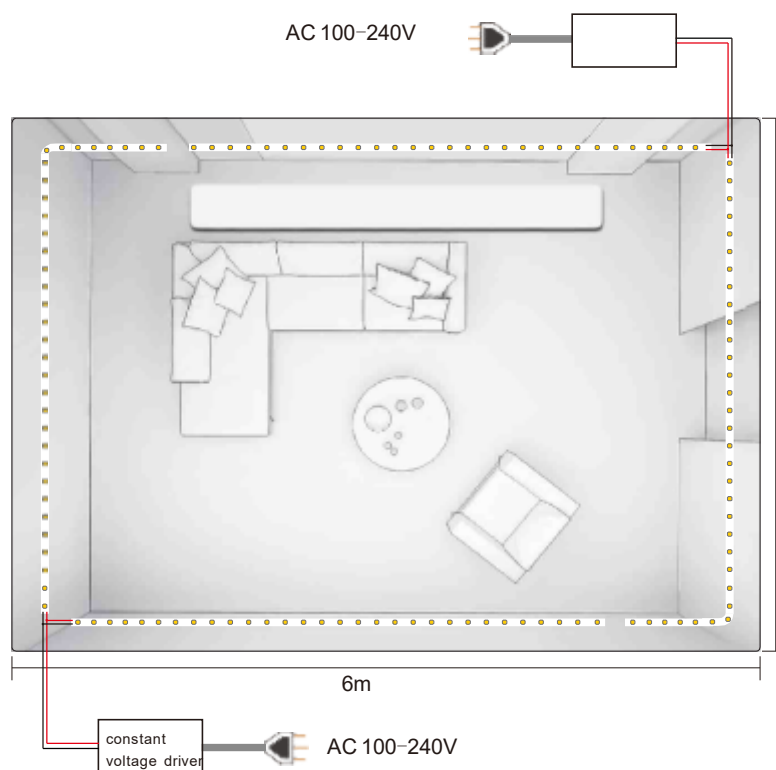


2835 160leds strip

Optical		Electric		Others	
LED type	SMD2835	current/meter	0.625A/m	Energy grade	A+
Color rendering index	>80	Input voltage	DC24V	Warranty	3years
CCT	2700K/3000K/4000K/6500K	Power/meter	15W/m	Working hour	50000h
Irritation angle	120°	Adhesive	3M 300LSE	Working temperature	-20 °C ~ +65 °C
Lumen output/meter	1800lm/2000lm/2200lm/2500lm			Working humidity	40%-70%RH
				IP	IP20/IP65/IP67/IP68







Measurement	5000*8*2mm
LEDs/meter	160LEDs/m
Size of	50mm(8LEDs)




Installation







- 1、 Please make LED drivers compatible with flexible LED strips light before use LED strips;
- 2、 To use LED strips 5M in serial, longer than 5M in parallel;
- 3、 Before use, first check the power supply used in compliance with of the power requirements;
- 4、 Each roll ask for independent power supply; not to use of multi-volume series use;

Accessories

Type	Name	Picture	Quantity	Size/mm	Code	Color	IP	Remark
Wire	SM-female wire		1pcs	150	SM201501	Red & black	IP33	20AWG L=150mm current:3A
	SM-male wire		1pcs	150	SM201502	Red & black	IP33	20AWG L=150mm current:3A
	DC-male wire		1pcs	150	DC201501	White/black	IP33	20AWG L=150mm current:3A
	DC-female wire		1pcs	150	DC201502	White/black	IP33	20AWG L=150mm current:3A
	PVC-female wire		1pcs	150	PVC201501	White	IP55/IP65/ IP67	20AWG L=150mm current:3A
	PVC-male wire		1pcs	150	PVC201502	White	IP55/IP65/ IP67	20AWG L=150mm current:3A

Lucid male wire		1pcs	150	LU201501	Lucid	IP55/IP65/ IP67	20AWG L=150mm current:3A
Lucid female wire		1pcs	150	LU201502	Lucid	IP55/IP65/ IP67	20AWG L=150mm current:3A
Lucid wire		1pcs	150	LU201500	Lucid	IP55/IP65/ IP67	20AWG L=150mm current:3A

Type	Name	Picture	Quantity	Size/mm	Code	Color	IP	Remark
Others	Fixed Clip		10pcs	Suit 8mm strip	FC0108001	White	IP65/IP67	10pcs/bag
	End cap		5pcs	Suit 8mm strip	EC0108001	White	IP65/IP67	5pcs/bag
	2 holes cap		5pcs	Suit 8mm strip	EC0108002	White	IP65/IP67	5pcs/bag
	Silicon glue		1pcs	—	SL00001	White	IP65/IP67	5pcs/bag

Packing

Reel



5m/Reel

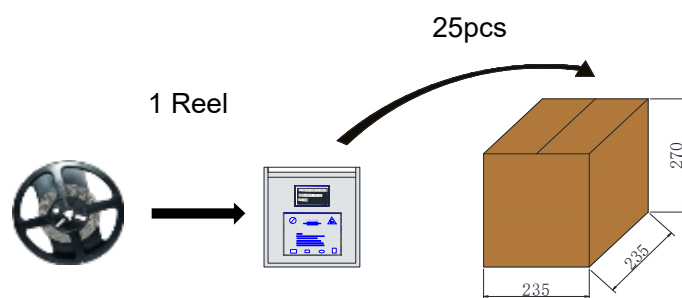
Anti-static PE bag

Label

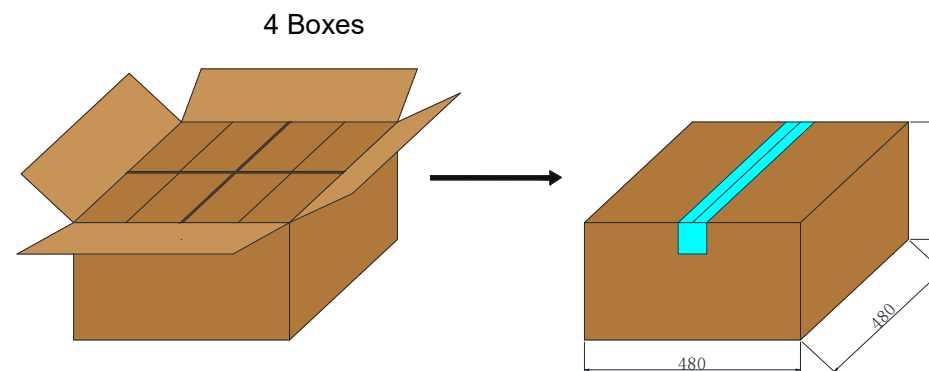


Real product photo show

Packing Information



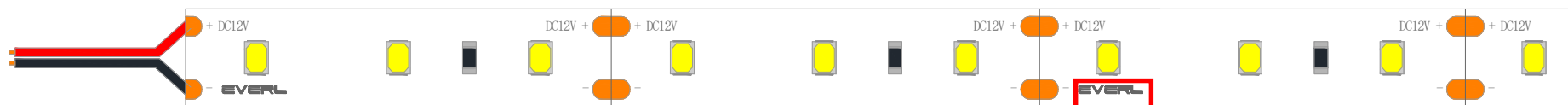
Carton box



Order Guidance

Customized item: LOGO, CRI, CCT, Color, Label, Package, Power, size & type of wire

- LOGO



Black and white logo

- CRI: Ra>70., Ra>80, Ra>85, Ra>90, Ra>95
- CCT: 2200K, 2800K, 3000K, 4000K,6000K
- Color: Red (620-630nm), Green (520-530nm), Yellow (585-595nm), Blue (465-470nm), Pink.
- Label can be customized
- Package can be customized
- Power: Strip's LED source quantity and power can be customized
- Size can be customized
- Wire can be customized

Application notes for led flexible strip

- ✧ Please use 12V/24VDC isolated power supply to drive the led strip, and the constant voltage source ripple less than 5%. Can't step-down the power by resistance-capacitance and non-isolated power supply driver led strip etc.
- ✧ To ensure the longevity and reliability of the strips, please do not bend the arc diameter 60mm or less, do not fold to avoid damaging the lamp beads or broken.

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- ✧ To ensure the life and environment of lights, in the use of force can't pull the power cord to avoid damage to prohibit collision LED lights.
 - ✧ During the installation of positive and negative attention to the power cord, do not pick the wrong voltage power supply and the product are the same, so as to avoid damage to the product.
 - ✧ LED lights should be stored in dry sealed environment, the proposed storage period should not be too long before using unpacking, the working temperature: $-20\text{ }^{\circ}\text{C} \sim +45\text{ }^{\circ}\text{C}$,
 - ✧ Storage temperature: $-0\text{ }^{\circ}\text{C} \sim +60\text{ }^{\circ}\text{C}$, not waterproof lights band indoor use, relative humidity not higher than 70%.
 - ✧ In practical applications, the power supply should leave 20% margin (recommend using only 80% of the power) in order to ensure a sufficient amount of voltage drive products Do not use any acidic, alkaline adhesive securement products (including not limited to glass, plastic, etc.)