



## FINELED LIGHTING LIMITED

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## Company profile

Established in 2008, a professional leader in the LED luminaire business, designs, develops, manufacturers and markets a broad ranges of high performance LED. Which include LED strip, Decorative lights and variety of illuminated retrofit lights. The entire production process is supervised by professional personnel, every products undergoes multiple QC stages to ensure optimum performance and functionality and is CE certified as well as RoHs compliant.

Our R&D department are specialized in all areas from electronics, thermal management and optics to industrial design with their high techniques. For now we OEM one brand new products and manufactured some custom design according to the customer's standard. Each of our products against EU electrical safety standards for considering the design and the selection of raw-materials.

Fine LED has had a successful annual sales achievement of more than 3 million LED strip light and 800000 series of illuminated retrofit lamp.

We insist to research and develop more energy efficient and longer life LED lighting. You are welcome to communicate with us at excellent international sales and after-sales team. Save your electrical bill is our great responsibility and honor.

## Honor and Certificates





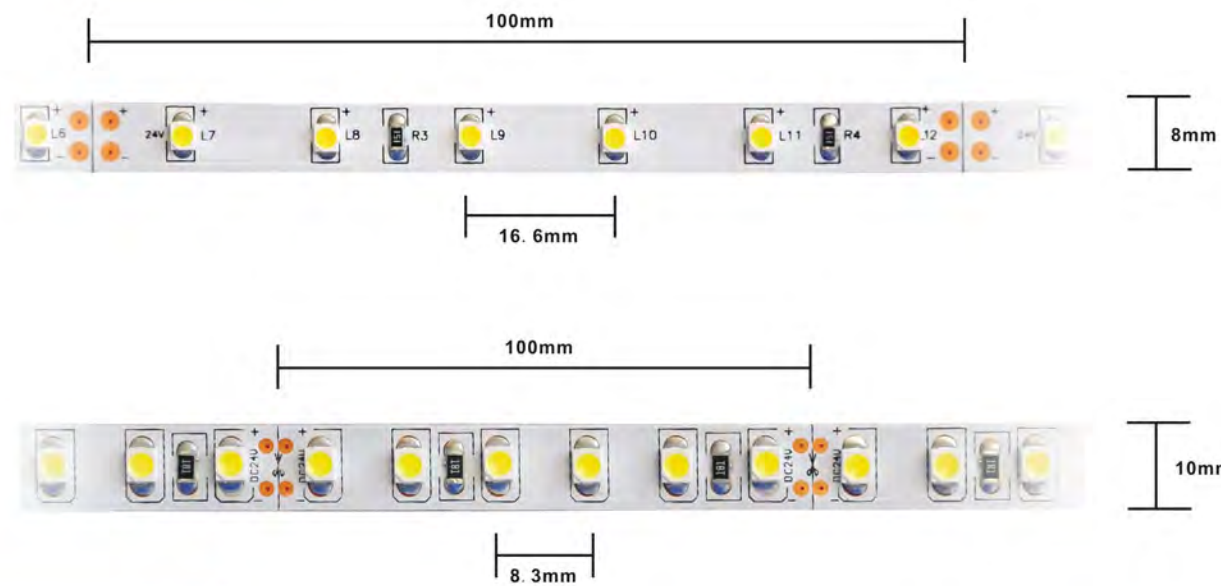
## Standard LED Strip 3528 60 & 120 LEDs/m



### Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High lumen high CRI90+ 3528 SMD LEDs in single color or RGB
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

### Dimension Drawing



### Technical data



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (Mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS3528-60	RGB	5	60	3528 SMD	360	8	24V	0.2Amps	4.8W	>90
FL-24FS3528-120	RGB	5	120	3528 SMD	780	10	24V	0.4Amps	9.6W	>90

1) 2528 60 & 120 LEDs/m standard is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

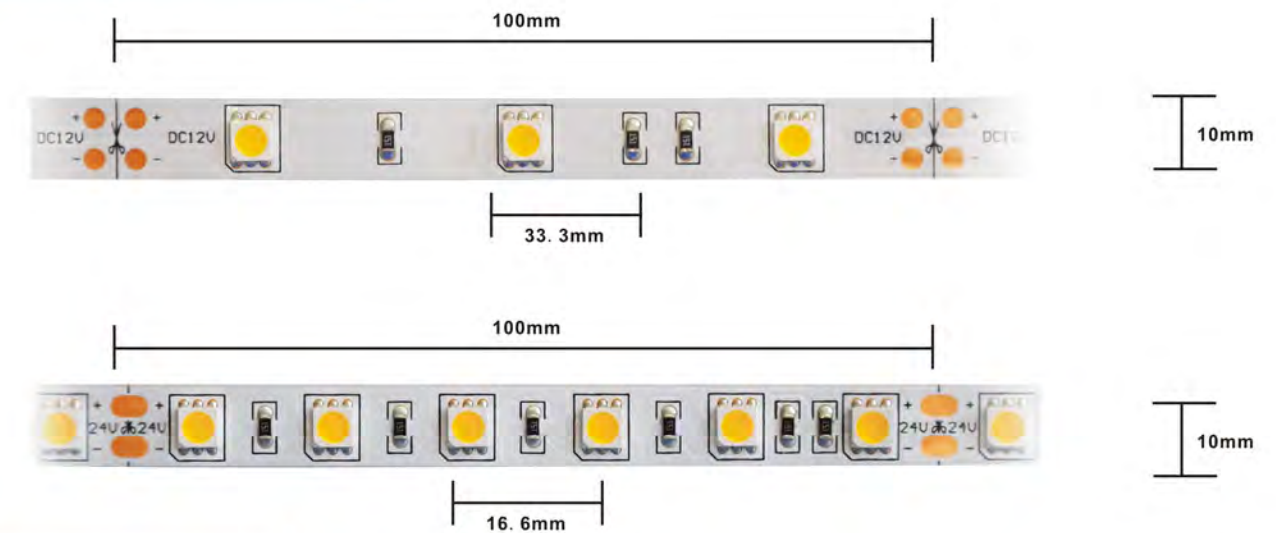
## Standard LED Strip 5050 30 & 60 LEDs/m



### Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High lumen high CRI90+ 5050 SMD LEDs in single color or RGB
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

### Dimension Drawing



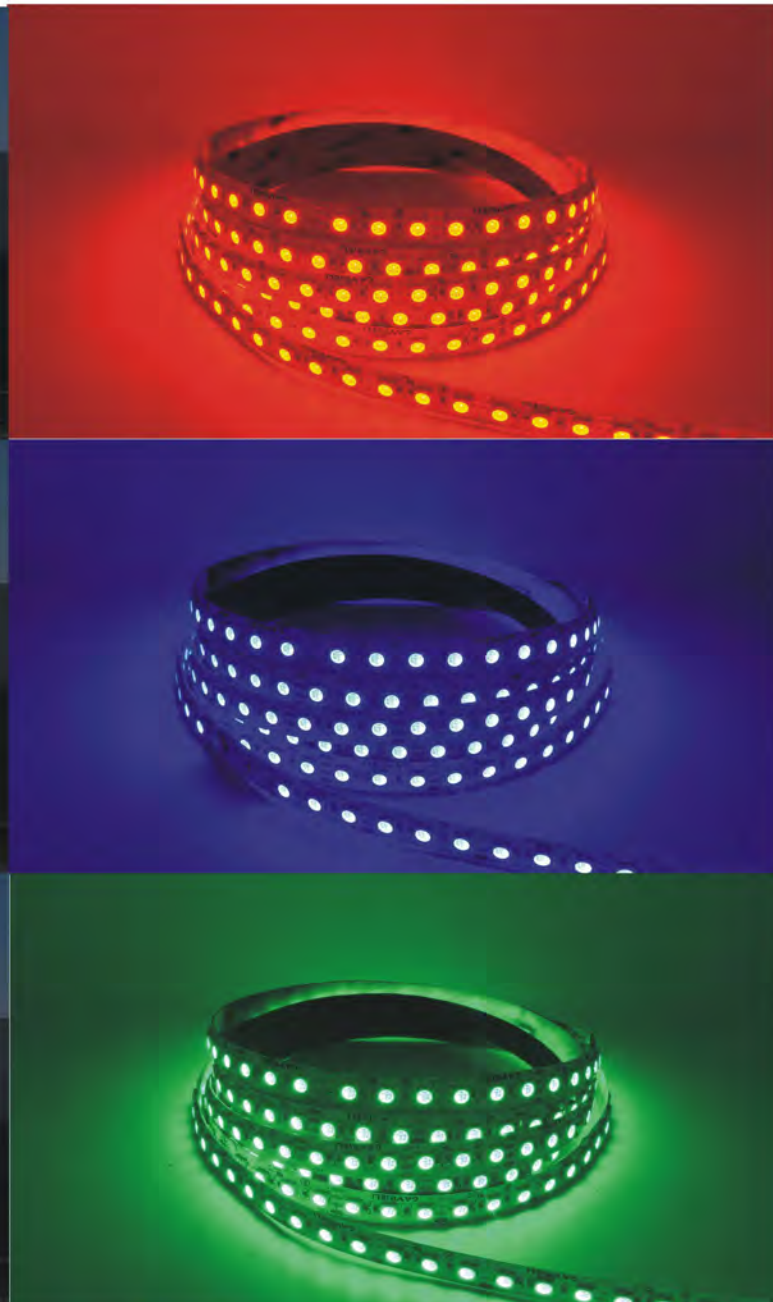
### Technical data



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS5050-30	RGB	5	30	5050 SMD	450-510	10	24V	0.52-0.6	7.2	>90
FL-24FS5050-60	RGB	5	60	5050 SMD	900-1020	10	24V	1.02-1.2	14.4	>90
FL-24FS5050-30-RGB	RGB	5	30	5050 SMD	/	10	24V	0.52-0.6	7.2	>90
FL-24FS5050-60-RGB	RGB	5	60	5050 SMD	/	10	24V	1.02-1.2	14.4	>90

1) 5050 30 & 60 LEDs/m single color or RGB standard is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

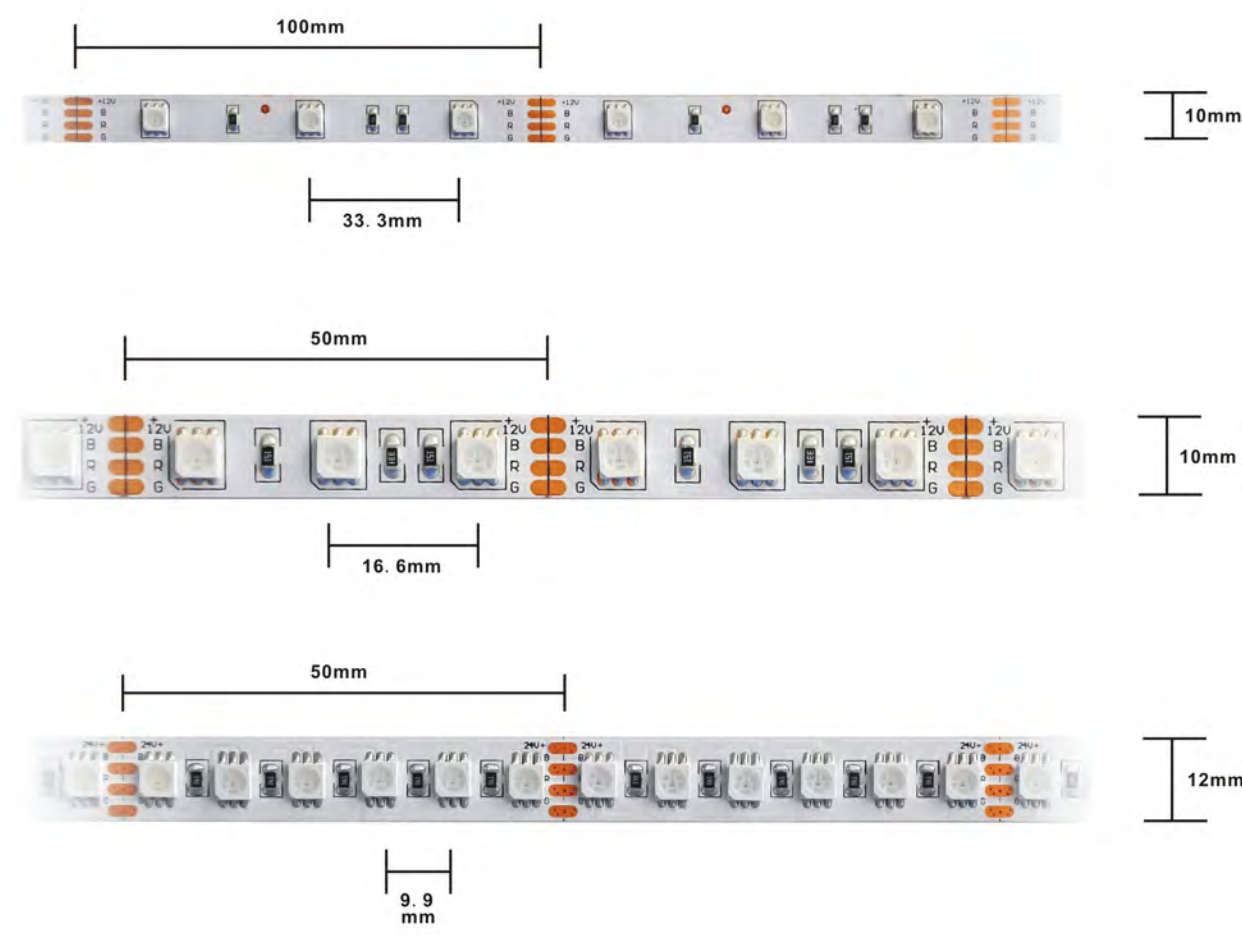




**Standard RGB  
5050 30/60/96 LEDs/m**

**Dimension Drawing**

UNIT:mm/inch



**Features**



- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High lumen 5050 RGB SMD LEDs in 30 & 60 & 96 per meter
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty



**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-12FS5050-30-RGB	RGB	5	30	SMD 5050	/	10	12Vdc	0.6Amps	7.2	>80
FL-12FS5050-60-RGB	RGB	5	60	SMD 5050	/	10	12Vdc	1.2Amps	14.4	>80
FL-24FS5050-96-RGB	RGB	5	96	SMD 5050	/	12	24Vdc	0.96Amps	23	>80

1) 5050 30 & 60 & 96 LEDs/m standard RGB is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
 2) Can be 12V or 24V considering of full heat dissipation capacity

1) 5050 30 & 60 & 96 LEDs/m standard RGB is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
 2) Can be 12V or 24V considering of full heat dissipation capacity



**SAMSUNG  
5730 30 LEDs/m**

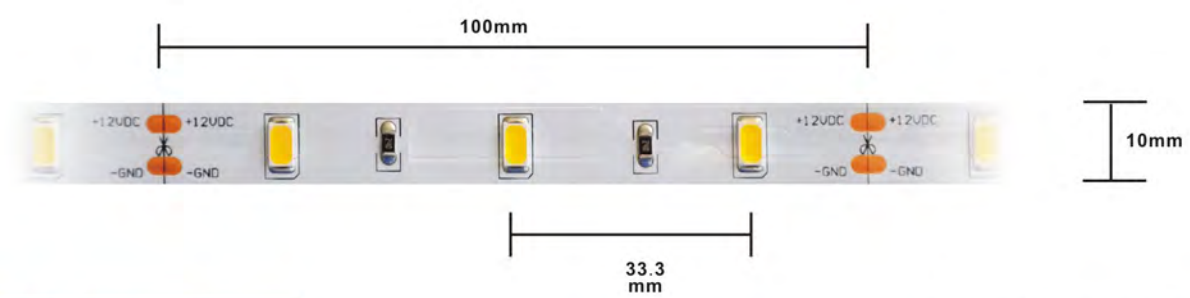


**SAMSUNG  
5730 60 LEDs/m**



**Dimension Drawing**

UNIT:mm/inch



**Technical data**

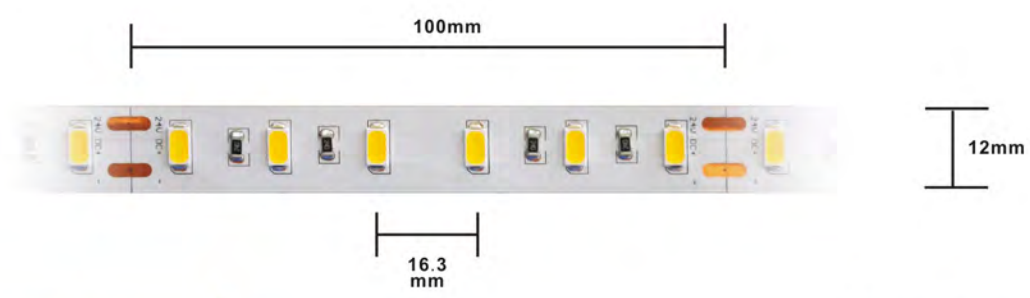


Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (Mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS5730-30-W	CW	5	30	SMD 5730	940	10	12/24	0.42Amps	10	>90
FL-24FS5730-30-NW	NW	5	30	SMD 5730	880	10	12/24	0.42Amps	10	>90
FL-24FS5730-30-WW	WW	5	30	SMD 5730	780	10	12/24	0.42Amps	10	>90

1) 5730 30 LEDs/m high brightness is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 24V ONLY with a high efficiency 150lm per watt

**Dimension Drawing**

UNIT:mm/inch



**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (Mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS5730-60-W	CW	5	60	SMD 5730	2020	12	12/24	0.83Amps	20	>90
FL-24FS5730-60-NW	NW	5	60	SMD 5730	1920	12	12/24	0.83Amps	20	>90
FL-24FS5730-60-WW	WW	5	60	SMD 5730	1850	12	12/24	0.83Amps	20	>90

1) 5730 60 LEDs/m high brightness is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 24V ONLY with high efficiency 150lm per watt





**High Efficiency 150lm/w  
2835 64/128/224 LEDs/m**

Dimension Drawing

Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High efficiency 150lm/W 2835 SMD LEDs
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty



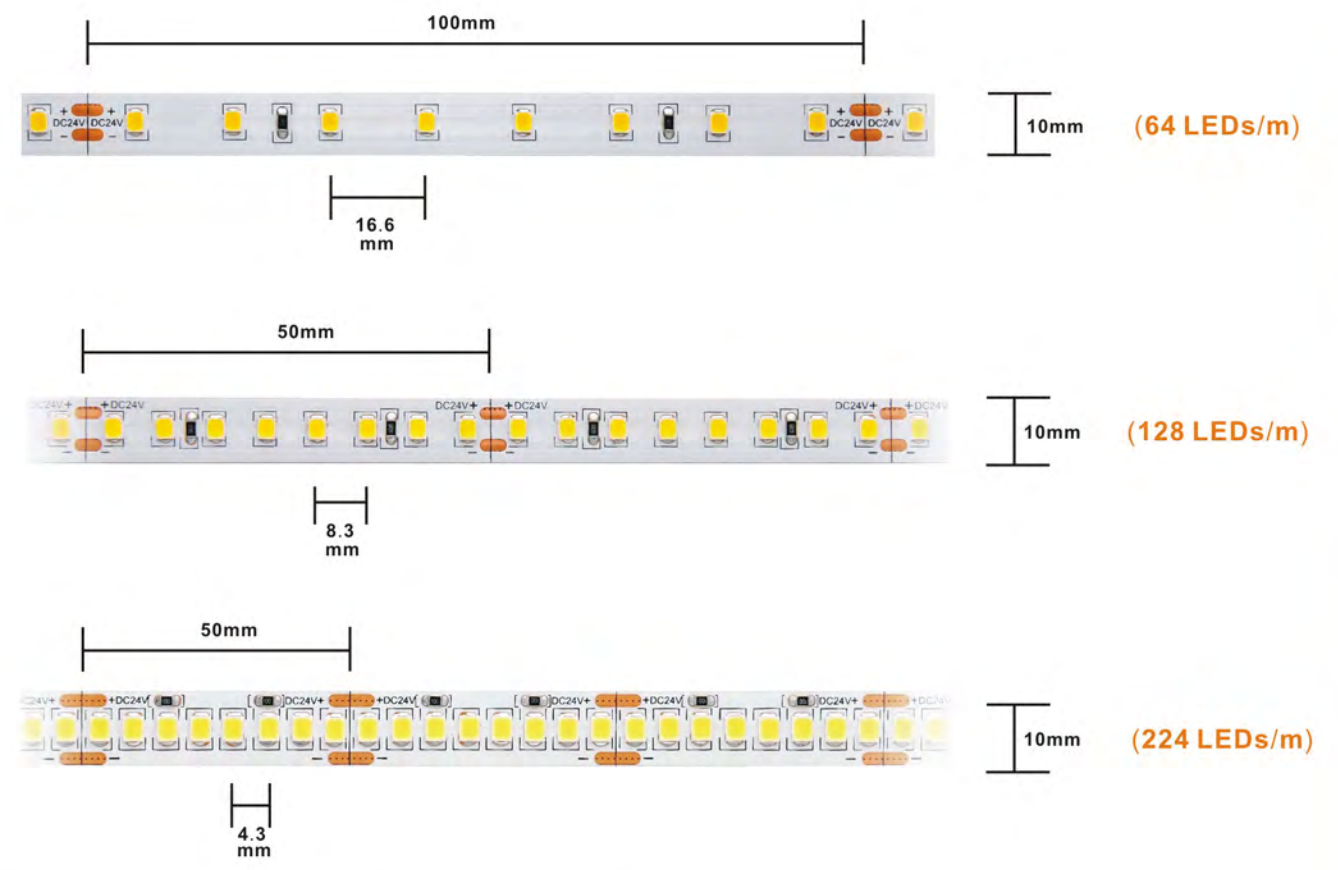
Technical data



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2835-64-H	W	5	60	SMD 2835	940	10	24	0.26Amps	6.4	>90
FL-24FS2835-128-H	W	5	128	SMD 2835	1870	10	24	0.53Amps	12.8	>90
FL-24FS2835-224-H	W	5	224	SMD 2835	3340	10	24	0.93Amps	22.4	>90

1) 2835 64/128/224 LEDs/m high efficiency is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 24V ONLY with a high efficiency 150lm per watt

UNIT:mm/inch



1) 2835 64/128/224 LEDs/m high efficiency is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 24V ONLY with high efficiency 150lm per watt



**Standard Brightness  
2835 60 LEDs/m**



**High Brightness  
2835 120 LEDs/m**



**Features**

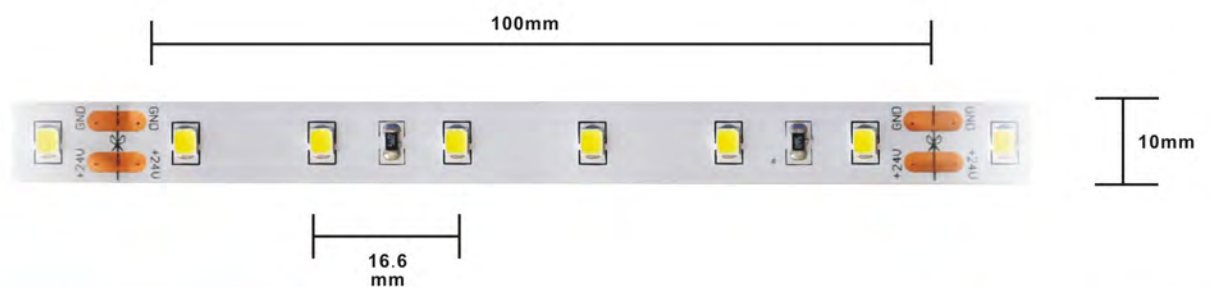
- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness high CRI90+ 2835 SMD LEDs
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness high CRI90+ 2835 SMD LEDs
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

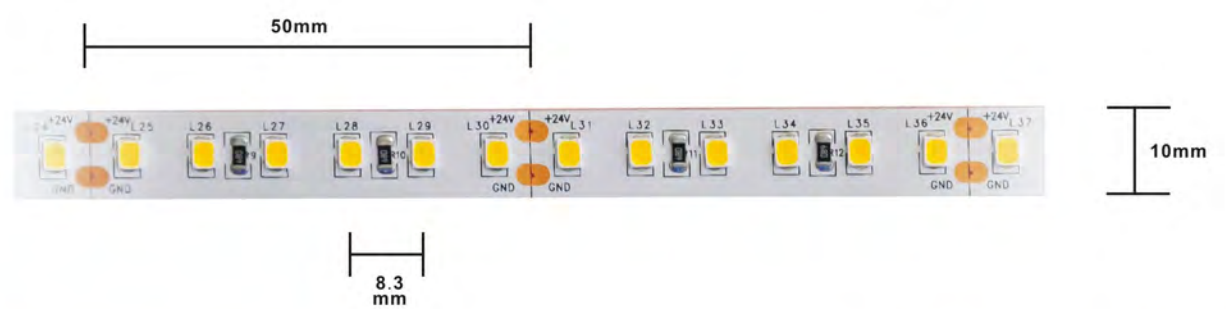
**Dimension Drawing**

UNIT:mm/inch



**Dimension Drawing**

UNIT:mm/inch



**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2835-60	CW	5	60	SMD 2835	1440	10	12/24	1.2Amps	14.4	>90
FL-24FS2835-60	WW	5	60	SMD 2835	1170	10	12/24	1.2Amps	14.4	>90

1) 2835 60 LEDs/m is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2835-120	CW	5	120	SMD 2835	2400	10	12/24	2Amps	24	>90
FL-24FS2835-120	WW	5	120	SMD 2835	2150	10	12/24	2Amps	24	>90

1) 2835 120 LEDs/m is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity



**High Brightness**  
3528 180 LEDs/m

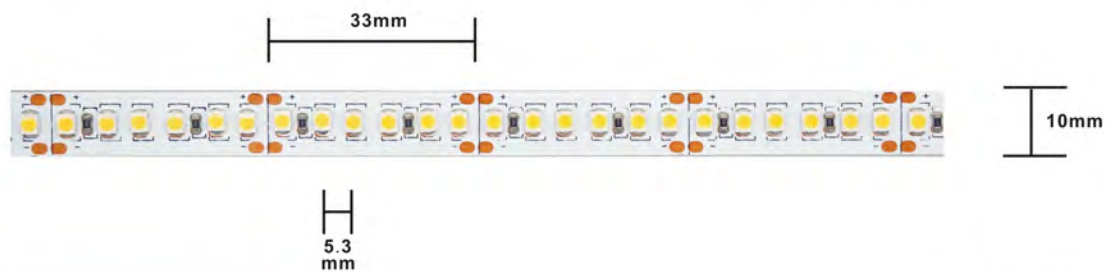


**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness high CRI95+ 3528 SMD LEDs in single row
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

**Dimension Drawing**

UNIT:mm/inch



**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS3528-180	CW	5	180	SMD 3528	1240	10	12/24	0.6Amps	14.4	>90
FL-24FS3528-180	NW	5	180	SMD 3528	1100	10	12/24	0.6Amps	14.4	>90
FL-24FS3528-180	WW	5	180	SMD 3528	980	10	12/24	0.6Amps	14.4	>90

1) 3528 180 LEDs/m is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

**High Density**  
3528 240 LEDs/m

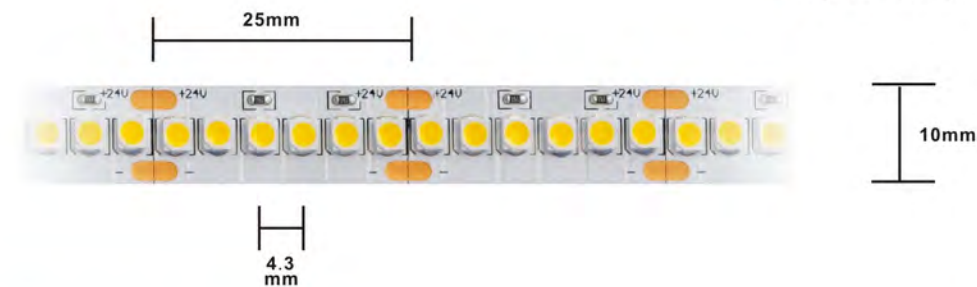


**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness high CRI95+ 3528 SMD LEDs in single row
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

**Dimension Drawing**

UNIT:mm/inch



**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	Beam Angle (°)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS3528-240-W	CW	5	240	SMD 3528	1660	120	12/24	0.8Amps	19.2	>90
FL-24FS3528-240-NW	NW	5	240	SMD 3528	1550	120	12/24	0.8Amps	19.2	>90
FL-24FS3528-240-WW	WW	5	240	SMD 3528	1360	120	12/24	0.8Amps	19.2	>90

1) 3528 240 LEDs/m is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity



## Constant Current 5730 60 LEDs/m

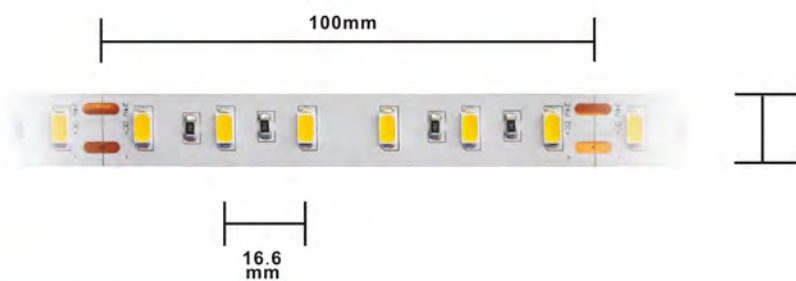


## Constant Current 5730 126 LEDs/m



### Dimension Drawing

UNIT:mm/inch



### Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High consistence 5730 SMD LEDs constant current
- ◆ 120° viewing angle
- ◆ Compatible with class 2 constant voltage power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

### Technical data

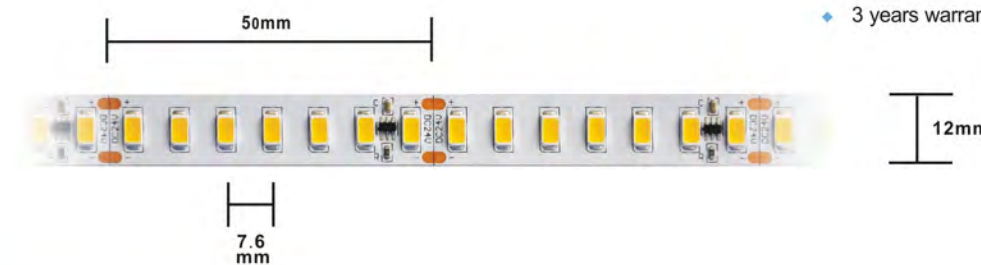


Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (Mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS5730-60-CC-CW	CW	5	60	SMD 5730	1900	12	24V	0.7Amps	17.2	>90
FL-24FS5730-60-CC-NW	NW	5	60	SMD 5730	1720	12	24V	0.7Amps	17.2	>90
FL-24FS5730-60-CC-WW	WW	5	60	SMD 5730	1600	12	24V	0.7Amps	17.2	>90

- 1) 5730 60 LEDs/m Constant Current is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66
- 2) Compatible with a constant voltage power supply
- 3) Max continuous connection length is 10m with a sufficient power supply

### Dimension Drawing

UNIT:mm/inch



### Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High consistence 5730 SMD LEDs constant current
- ◆ 120° viewing angle
- ◆ Compatible with class 2 constant voltage power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

### Technical data



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (Mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS5730-126-CC-CW	CW	5	126	SMD 5730	2660	12	24V	1.4Amps	33	>90
FL-24FS5730-126-CC-NW	NW	5	126	SMD 5730	2450	12	24V	1.4Amps	33	>90
FL-24FS5730-126-CC-WW	WW	5	126	SMD 5730	2200	12	24V	1.4Amps	33	>90

- 1) 5730 126 LEDs/m Constant Current is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66
- 2) Compatible with a constant voltage power supply
- 3) Max continuous connection length is 10m with a sufficient power supply



**Constant Current  
2835 60 LEDs/m**

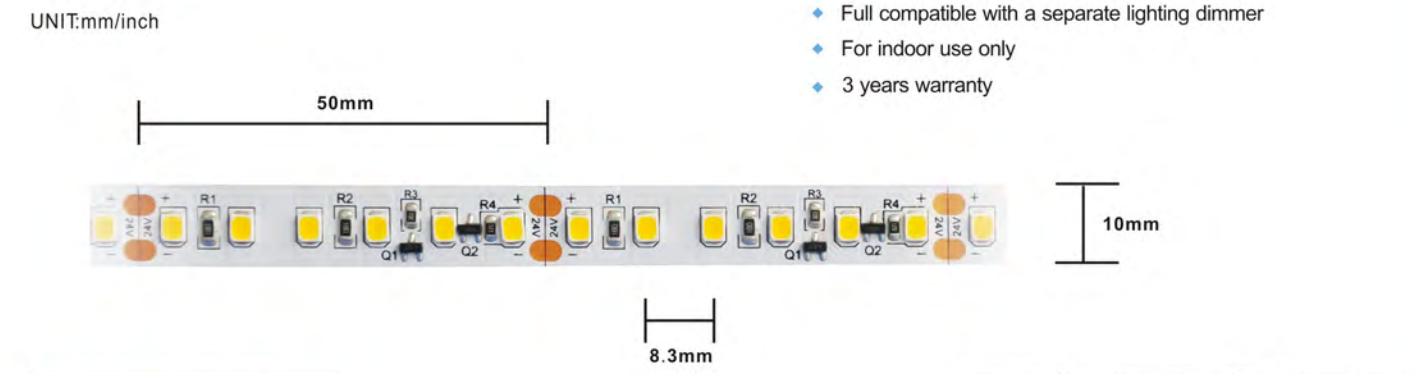
**Constant Current  
2835 120 LEDs/m**



**Dimension Drawing**



**Dimension Drawing**



**Technical data**

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (Mm)	Voltage (VDC)	Current (Amps/m)	Max.Power Consumption (W/m)	CRI
FL-24FS2835-60-CW	CW	5	60	SMD 2835	1220	10	24V	0.6Amps	14.4	>90
FL-24FS2835-60-NW	NW	5	60	SMD 2835	1050	10	24V	0.6Amps	14.4	>90
FL-24FS2835-60-WW	WW	5	60	SMD 2835	920	10	24V	0.6Amps	14.4	>90

1) 2835 60 LEDs/m constant current series is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
 2) Compatible with a constant voltage power supply  
 3) Max continuous connection length is 10m with a sufficient power supply

**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High consistence 2835 SMD LEDs constant current
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

**Technical data**

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (Mm)	Voltage (VDC)	Current (Amps/m)	Max.Power Consumption (W/m)	CRI
FL-24FS2835-60-CC-CW	CW	5	120	SMD 2835	2260	10	24V	1Amps	24	>90
FL-24FS2835-60-CC-NW	NW	5	120	SMD 2835	2150	10	24V	1Amps	24	>90
FL-24FS2835-60-CC-WW	WW	5	120	SMD 2835	1900	10	24V	1Amps	24	>90

1) 2835 120 LEDs/m constant current series is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
 2) Compatible with a constant voltage power supply  
 3) Max continuous connection length is 10m with a sufficient power supply



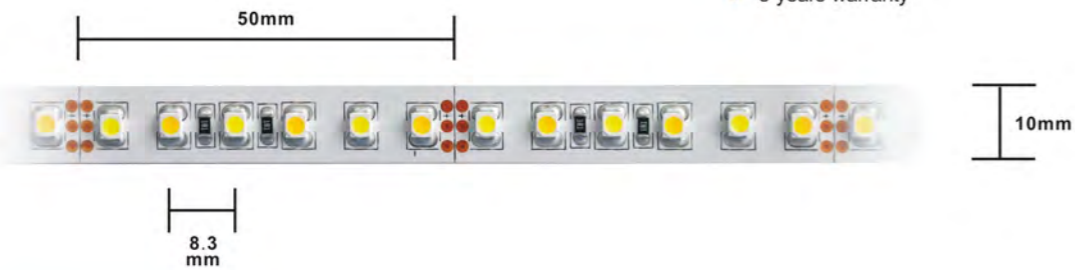


**WW+CW Tunable  
2835 120 LEDs/m**



**Dimension Drawing**

UNIT:mm/inch



**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (Mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS3528-60-CCT	2700-6000K	5	120	SMD 3528	720	10	24	0.4Amps	9.6	>90

1) 3528 120 LEDs/m WW+W tunable CCT is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

**WW+CW Tunable  
5050 60 LEDs/m**

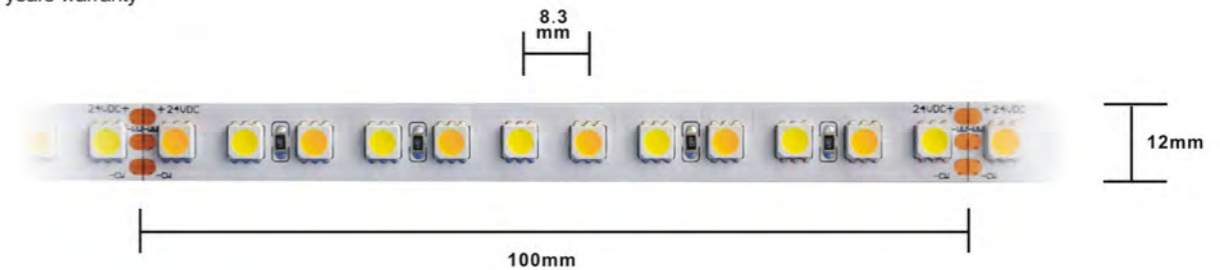


**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 5050 SMD LEDs with a separate WW+CW
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full color temp. 2700-6000K adjustable by a separate dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

**Dimension Drawing**

UNIT:mm/inch



**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (Mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-12FS5050-60-CCT	2700-6000K	5	60	SMD 5050	900	12	24	0.6Amps	14.4	>90

1) 5050 60 LEDs/m WW+W tunable CCT is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity



**LED Strip 2 in 1  
3527 60 EPISTAR**



**LED Strip 2 in 1  
5225 60 EPISTAR**



**Features**

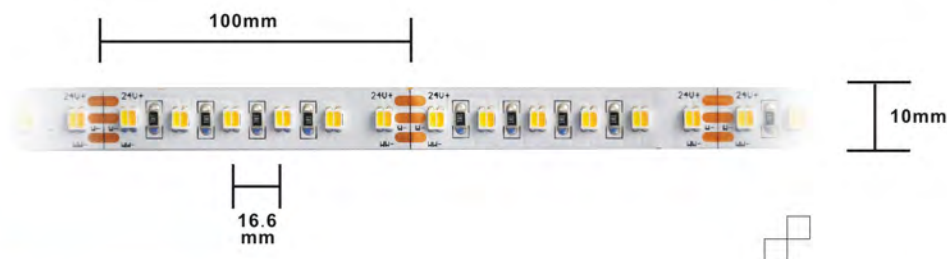
- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 3527 SMD LEDs with 90+ CRI
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full color temp. 2700-6000K adjustable by a separate dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 5225 SMD LEDs with 90+ CRI
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full color temp. 2700-6000K adjustable by a separate dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

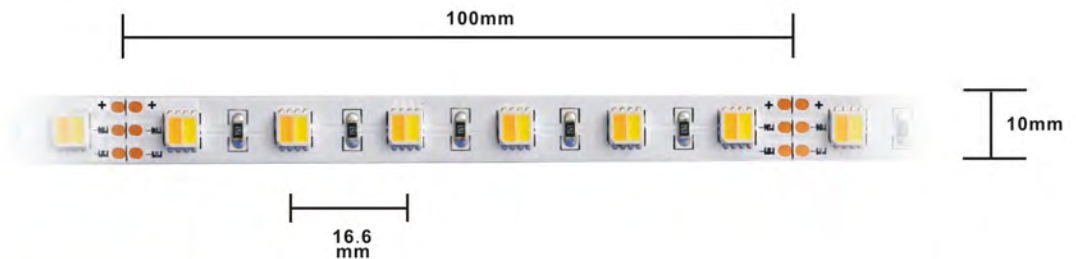
**Dimension Drawing**

UNIT:mm/inch



**Dimension Drawing**

UNIT:mm/inch



**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS3527-60-CCT	2700-7000K	5	60	3527 2 IN 1	980	10	24	0.5Amps	12	>80

1) 3527 60 LEDs/m 2 In 1 CCT is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS5225-60-CCT	2700-6500K	5	60	5050 2 IN 1	1900	10	24	1.2Amps	28.8	>80

1) 5225 60 LEDs/m 2 In 1 CCT is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity



RGB+W/ RGB+WW  
5050 60 EPISTAR

RGB 4 in 1  
5050 60 EPISTAR



Features

Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 5050 SMD LEDs RGB+W & RGB+WW
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full color temp. 2700-6000K / RGB+W mixed adjustable by a dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 5050 4-in-1 SMD LEDs RGBW & RGBWW
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full color temp. 2700-6000K / RGBW mixed adjustable by a dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

Dimension Drawing

UNIT:mm/inch



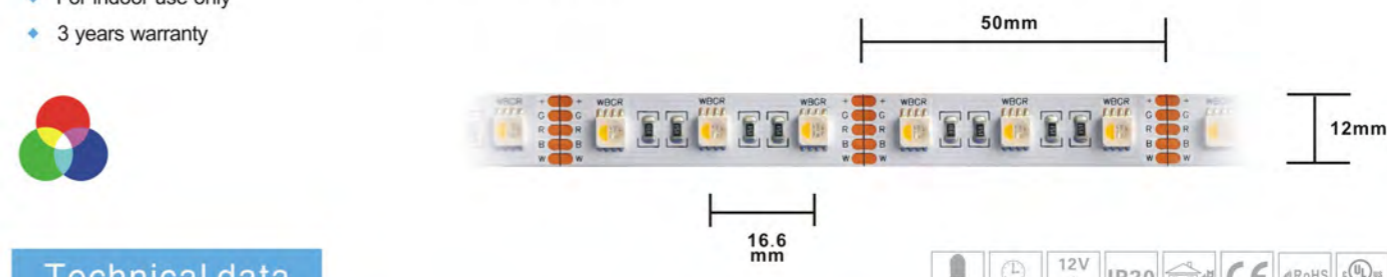
Technical data

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS5050-60-RGB+W	2700-7000K	5	60	5050 RGB+W	/	12	24	0.4Amps	9.6	>80

1) 5050 60 LEDs/m RGB+W is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

Dimension Drawing

UNIT:mm/inch



Technical data

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-12FS5050-60-RGBW	2700-7000K	5	60	5050 4 IN 1	/	12	12	1.3Amps	16	>80

1) 5050 60 LEDs/m 4 In 1 RGBW is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity



**95+ CRI Single Row  
2216 280 LEDs/m**



**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness high CRI95+ 2216 SMD LEDs in single row
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty



**Dimension Drawing**

UNIT:mm/inch



**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	Beam Angle (°)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2216-280-W	CW	5	280	SMD 2216	2030	120	12/24	0.83Amps	20	>90
FL-24FS3528-280-NW	NW	5	280	SMD 2216	1860	120	12/24	0.83Amps	20	>90
FL-24FS3528-180-WW	WW	5	280	SMD 2216	1670	120	12/24	0.83Amps	20	>90

1) 2216 280 LEDs/m single row is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

**95+ CRI Double Row  
2216 280 LEDs/m**



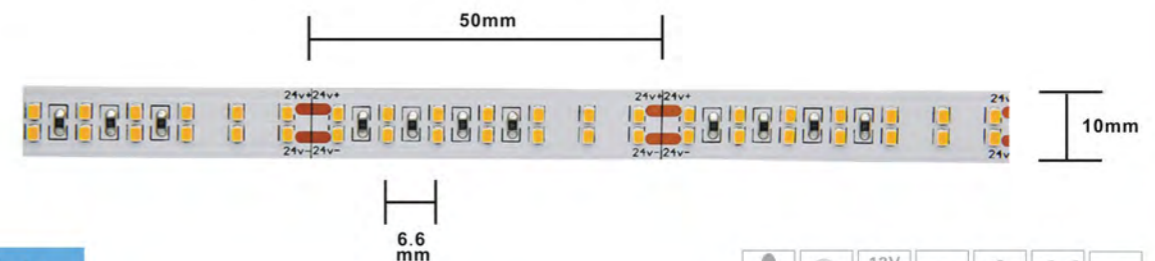
**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness high CRI95+ 2216 SMD LEDs in double row
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty



**Dimension Drawing**

UNIT:mm/inch



**Technical data**



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	Beam Angle (°)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	Continuous Connection (m)
FL-24FS2216-280D-W	CW	5	240	SMD 2216	2030	120	12/24	0.83Amps	20	5
FL-24FS2216-280D-NW	NW	5	240	SMD 2216	1860	120	12/24	0.83Amps	20	5
FL-24FS2216-280D-WW	WW	5	240	SMD 2216	1670	120	12/24	0.83Amps	20	5

1) 2216 280 LEDs/m double row is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity



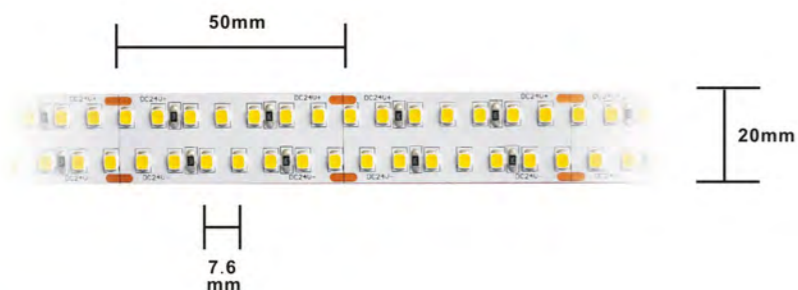
## Double Row 2835 280 Epistar

## Triple Row 2835 420 Epistar



### Dimension Drawing

UNIT:mm/inch



### Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 2835 SMD LEDs in double row
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full dimmable with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty



### Technical data

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2835-280-WW	2700-3000K	5	280	2835 SMD	2600	20	24	1.16Amps	28	>80
FL-24FS2835-280-NW	4000-4500K	5	280	2835 SMD	2520	20	24	1.16Amps	28	>80
FL-24FS2835-280-W	6000-6500K	5	280	2835 SMD	2440	20	24	1.16Amps	28	>80

1) 2835 280 LEDs double row is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

### Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 2835 SMD LEDs in triple row
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full dimmable with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty



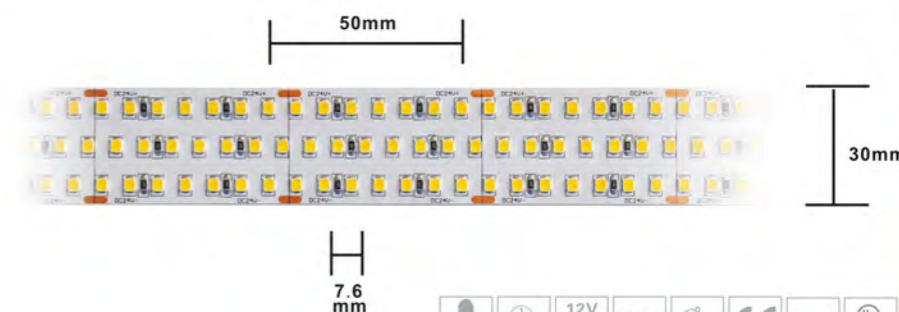
### Technical data

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-12FS2835-420-WW	2700-3000K	5	420	2835 SMD	/	3400	24	1.5Amps	36	>80
FL-12FS2835-420-NW	4000-4500K	5	420	2835 SMD	/	3300	24	1.5Amps	36	>80
FL-12FS2835-420-W	6000-6500K	5	420	2835 SMD	/	3220	24	1.5Amps	36	>80

1) 2835 420 LEDs triple row is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

### Dimension Drawing

UNIT:mm/inch





**Ultra Slim 3.5mm  
2216 140 LEDs/m**

**Ultra Slim 5mm  
2835 120 LEDs/m**



**Features**

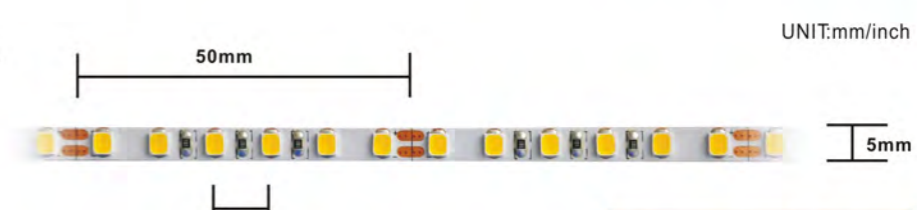
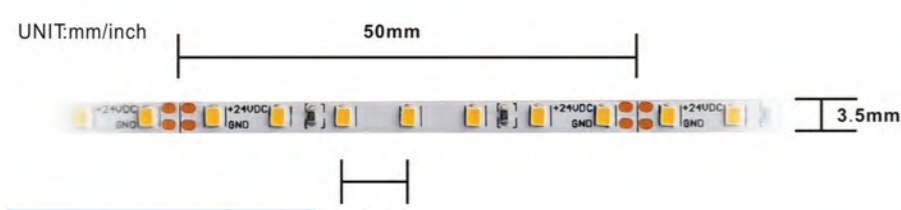
**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 2216 SMD LEDs in 3.5mm PCB
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full dimmable with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 2835 SMD LEDs in 5mm PCB
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full dimmable with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

**Dimension Drawing**

**Dimension Drawing**



**Technical data**

**Technical data**

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2216-120S-WW	2700-3000K	5	140	2216 SMD	420	3.5	24	0.2Amps	5	>80
FL-24FS2216-120S-NW	4000-4500K	5	140	2216 SMD	390	3.5	24	0.2Amps	5	>80
FL-24FS2216-120S-W	6000-6500K	5	140	2216 SMD	330	3.5	24	0.2Amps	5	>80

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2835-120S-WW	2700-3000K	5	120	2835 SMD	670	5	24	0.4Amps	9.6	>80
FL-24FS2835-120S-NW	4000-4500K	5	120	2835 SMD	620	5	24	0.4Amps	9.6	>80
FL-24FS2835-120S-W	6000-6500K	5	120	2835 SMD	540	5	24	0.4Amps	9.6	>80

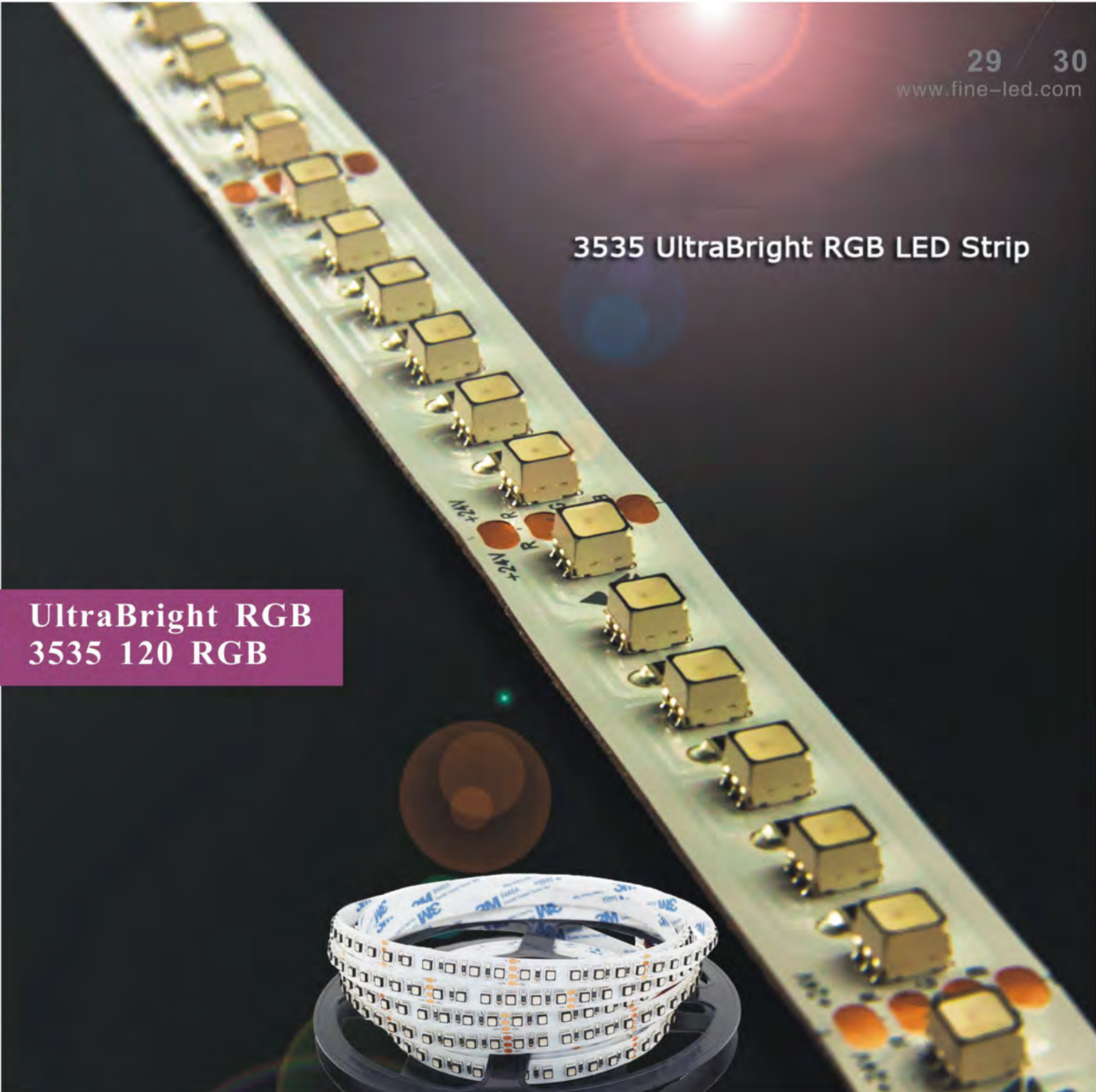
1) 2216 140 LEDs/m ultra slim 3.5mm PCB is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

1) 2835 120 LEDs ultra slim 5mm PCB is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity



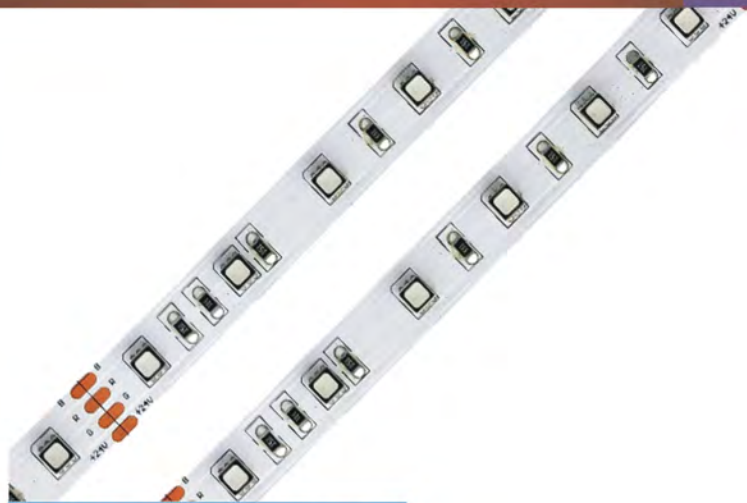


Standard RGB  
3535 60 RGB



3535 UltraBright RGB LED Strip

UltraBright RGB  
3535 120 RGB

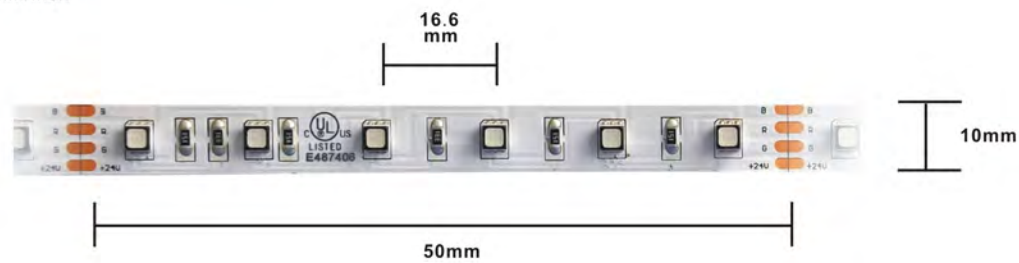


Dimension Drawing

Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 3535 SMD LEDs in 60 & 120 RGB
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full dimmable with a separate lighting controller
- ◆ For indoor use only
- ◆ 3 years warranty

UNIT:mm/inch



Technical data

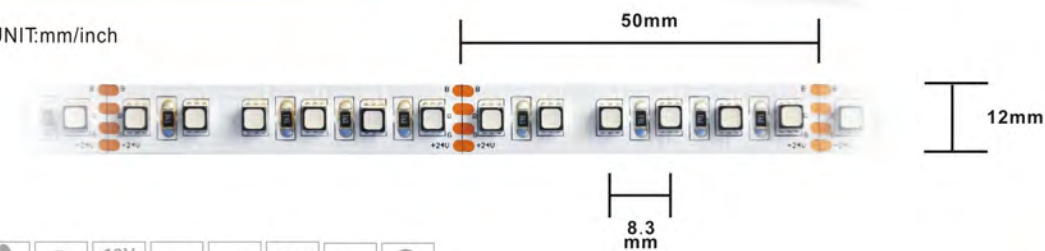


Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-12FS3535-60	RGB	5	60	SMD 3535	/	10	12/24	0.5Amps	12	>80

1) 3535 60 LEDs/m is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

Dimension Drawing

UNIT:mm/inch



Technical data

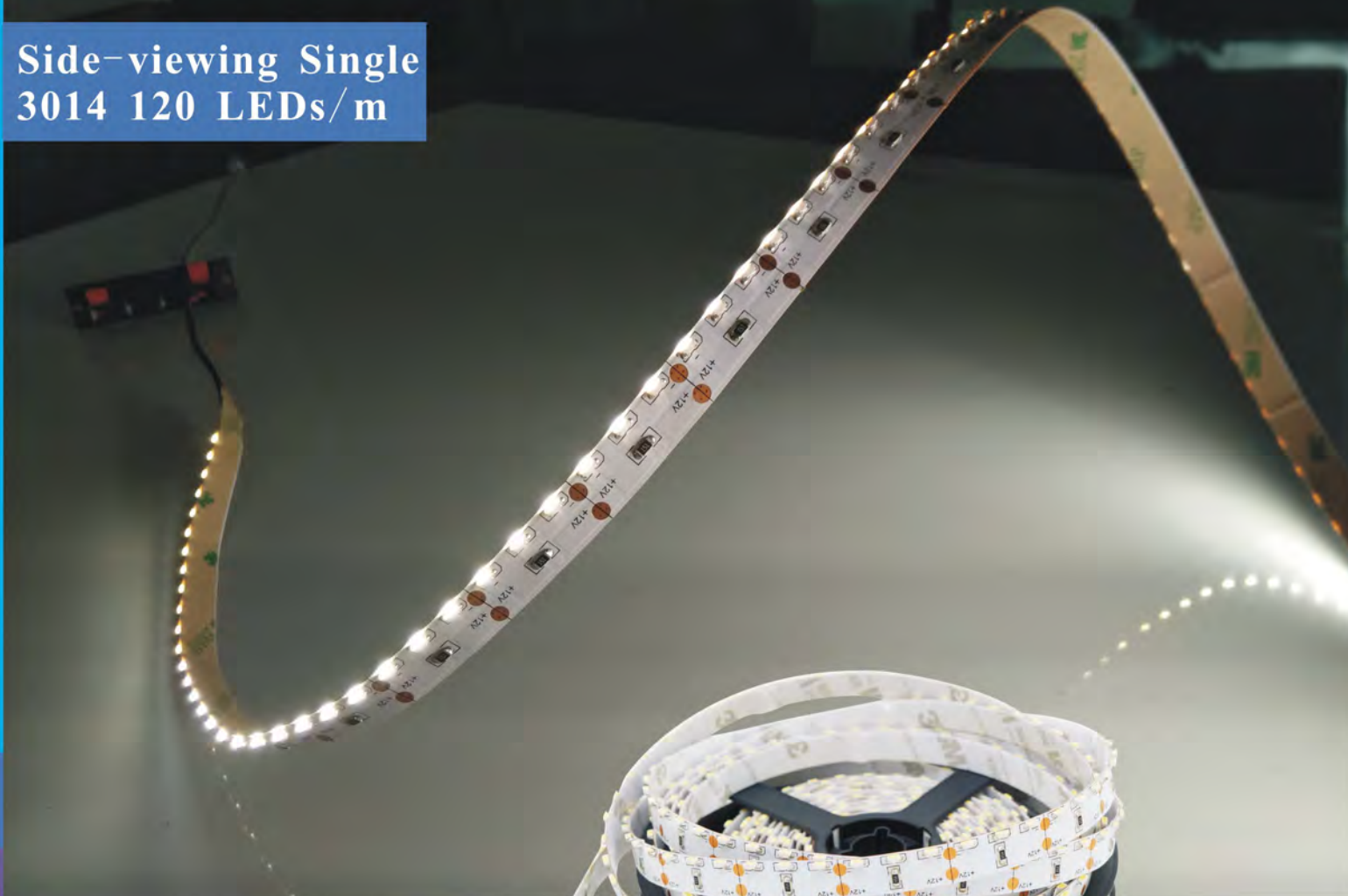


Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-12FS3535-120	RGB	5	120	SMD 3535	/	10	12/24	1Amps	24	>80

1) 3535 120 LEDs/m is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity



Side-viewing Single  
3014 120 LEDs/m



Side-view Double  
3014 240 LEDs/m

Dimension Drawing

UNIT:mm/inch



Technical data



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-12FS3014-120	CW	5	120	SMD 3014	420	8	12/24	0.8Amps	9.6	>80
FL-12FS3014-120	NW	5	120	SMD 3014	400	8	12/24	0.8Amps	9.6	>80
FL-12FS3014-120	WW	5	120	SMD 3014	360	8	12/24	0.8Amps	9.6	>80

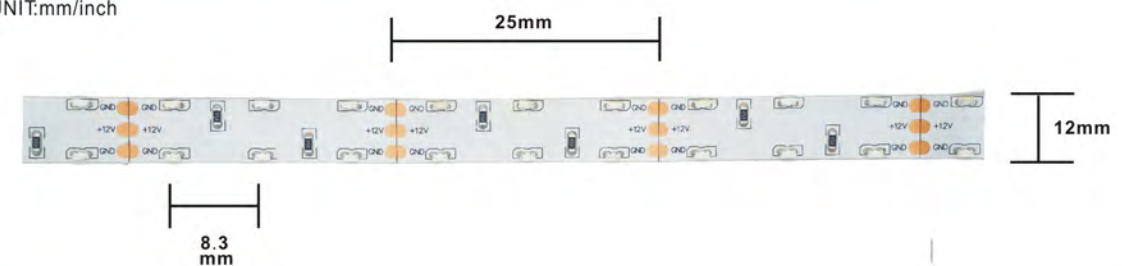
1) 3014 120 LEDs/m single row is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 3014 Side-viewing SMD LEDs
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

Dimension Drawing

UNIT:mm/inch



Technical data



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-12FS3014-120	CW	5	120	SMD 3014	420	8	12/24	0.8Amps	9.6	>80
FL-12FS3014-120	NW	5	120	SMD 3014	400	8	12/24	0.8Amps	9.6	>80
FL-12FS3014-120	WW	5	120	SMD 3014	360	8	12/24	0.8Amps	9.6	>80

1) 3014 120 LEDs/m double row is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

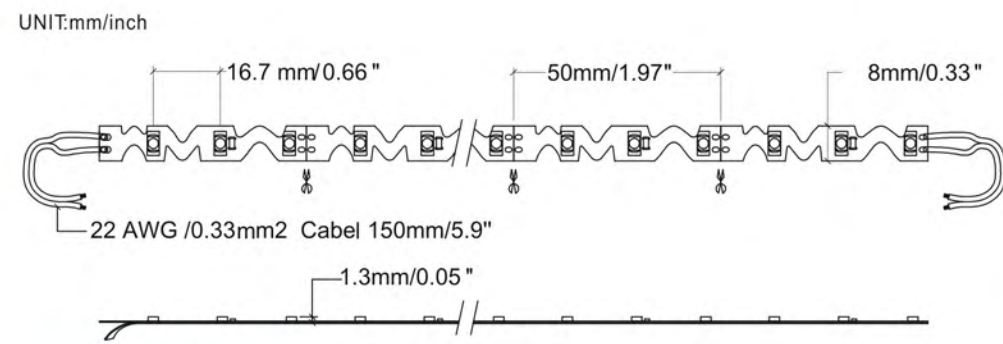


Unique Zigzag  
2835 60 LEDs/m

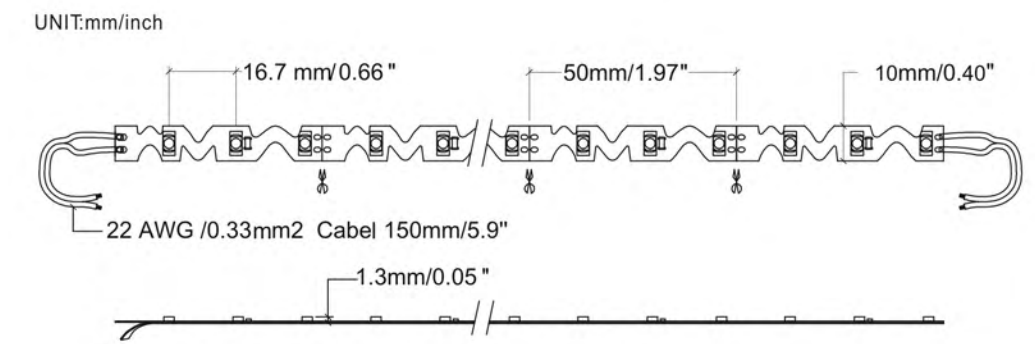
Zigzag RGB  
5050 42 LEDs/m



### Dimension Drawing



### Dimension Drawing



### Technical data



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (Mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2835-60-CW-B	CW	5	60	SMD 2835	1220	6/8	24V	0.6Amps	14.4	>90
FL-24FS2835-60-NW-B	NW	5	60	SMD 2835	1050	6/8	24V	0.6Amps	14.4	>90
FL-24FS2835-60-WW-B	WW	5	60	SMD 2835	920	6/8	24V	0.6Amps	14.4	>90

1) 2835 Zigzag S shape flex strip is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity



### Technical data



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (Mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-12FS5050-60-RGB-B	RGB	5	42	SMD 5050	550-570	10	12/24	0.83Amps	10	>80

1) 5050 42 LEDs/m Zigzag RGB & single color are also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity



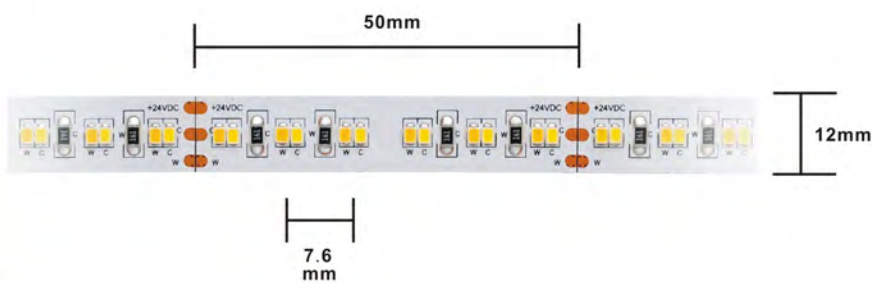
**WW+CW Tunable  
2216 240 Epistar**

**WW+CW Tunable  
2835 120 Epistar**



**Dimension Drawing**

UNIT:mm/inch



**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 2216 SMD LEDs single row
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full dimmable with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty



**Technical data**

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2216-240-CCT	2700-6500K	5	240	2216 SMD	1600	12	24	0.75Amps	18	>80

1) 2216 240 LEDs tunable color is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 2835 SMD LEDs in Constant Current
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full dimmable with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty



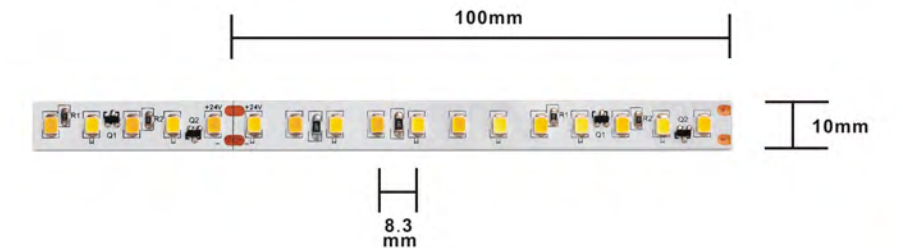
**Technical data**

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2835-120-CC-CCT	2700-6500K	5	120	2835 SMD	1820	10	24	0.8Amps	19.2	>80

1) 2835 120 LEDs triple row is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

**Dimension Drawing**

UNIT:mm/inch





Side-View RGB  
020 60 LEDs/M

WRGBW 5 in 1  
5050 60 RGB+CCT

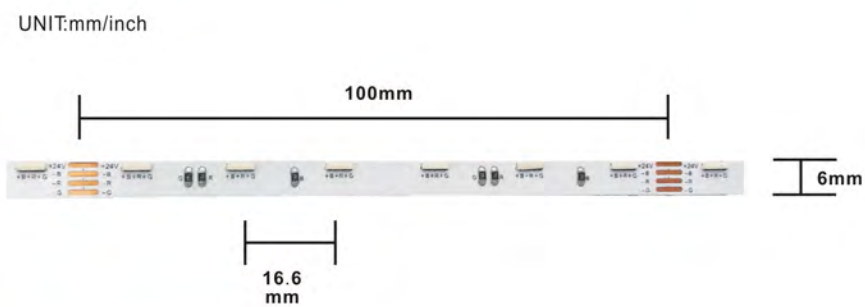


Dimension Drawing

Features

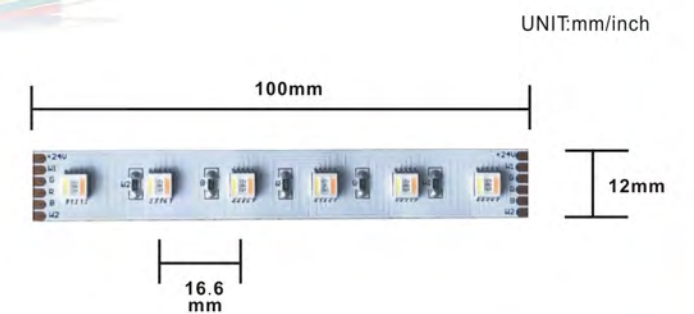
Features

Dimension Drawing



- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 020 RGB Side-emitting
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full dimmable with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 5050 SMD 5 in 1 LEDs WRGBW
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full dimmable with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty



Technical data



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS020-60-RGB	RGB	5	60	020 SMD	/	6	24	0.25Amps	6	>80

1) 020 60 LEDs RGB color is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

Technical data



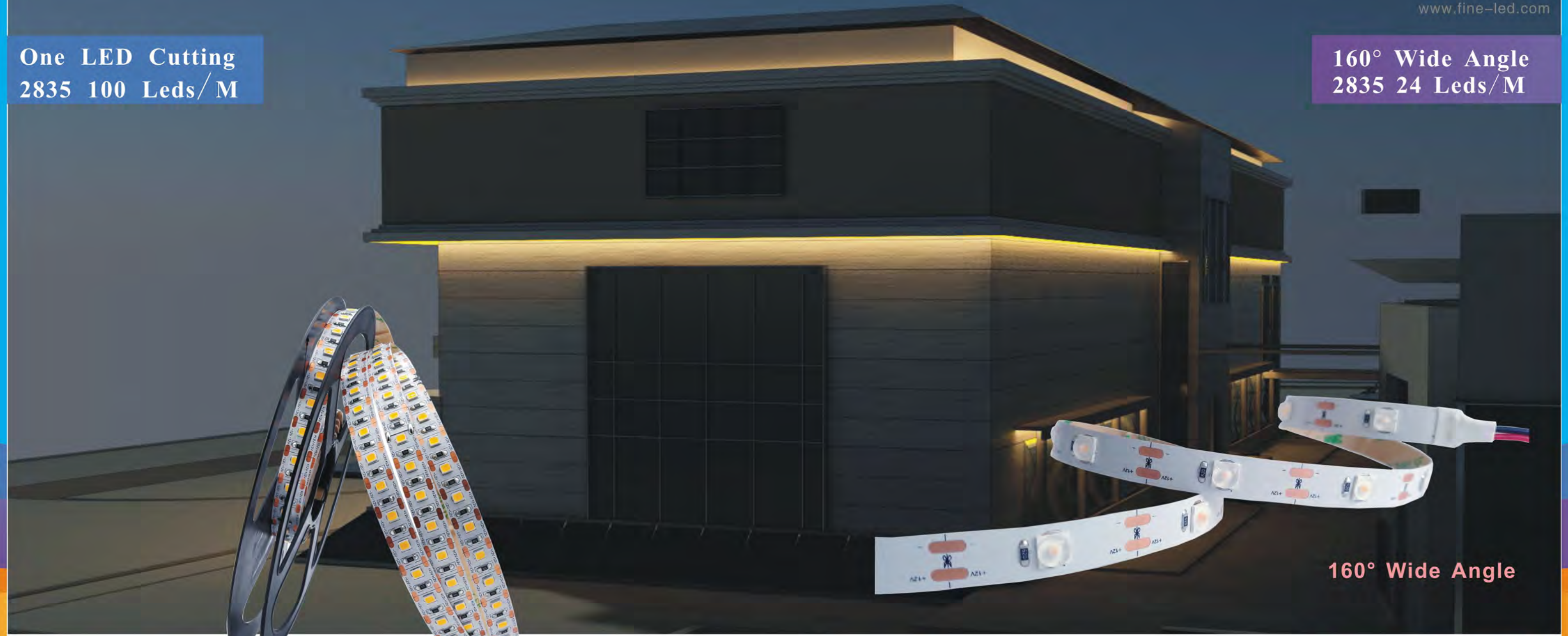
Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS5050-60-WRGBW	WRGBW	5	60	5050 5 in 1	/	12	24	0.75Amps	18	>80

1) 5050 60 5 in 1 LEDs WRGBW is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity



One LED Cutting  
2835 100 Leds/M

160° Wide Angle  
2835 24 Leds/M



160° Wide Angle

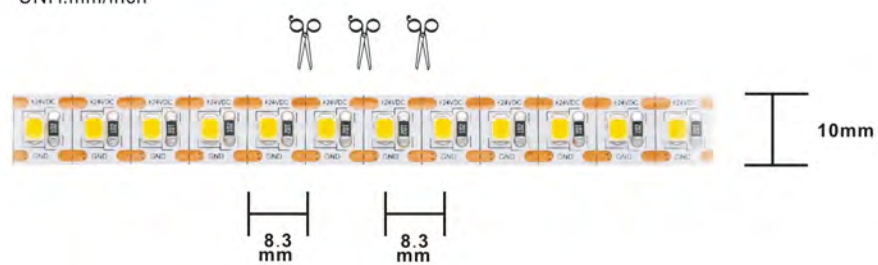
Dimension Drawing

Features

Features

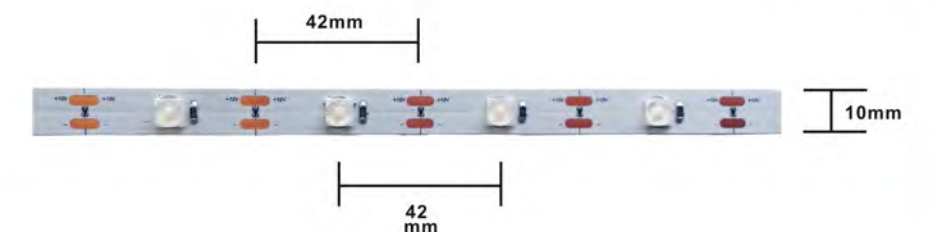
Dimension Drawing

UNIT:mm/inch



- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ One LEDs one cutting
- ◆ High brightness 2835 100 LEDs
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full dimmable with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

UNIT:mm/inch



- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 2835 24 LEDs
- ◆ 160° viewing angle with lens
- ◆ Compatible with class 2 power supplies
- ◆ Full dimmable with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

Technical data



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2835-100-W	W	5	100	2835 SMD	1930lm	10	24	0.92Amps	22	>80
FL-24FS2835-100-WW	WW	5	100	2835 SMD	1750lm	10	24	0.92Amps	22	>90

1) 2835 100 LEDs one LED one cutting is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity

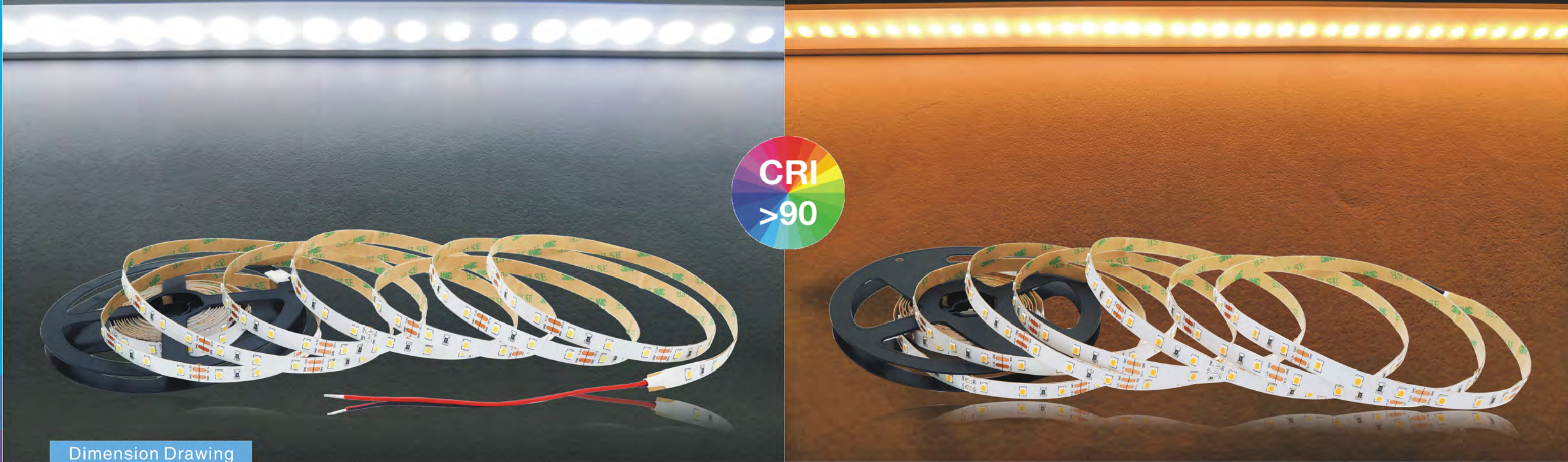
Technical data



Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2835-24-W-L	W	5	24	2835 Lens	1530lm	10	12/24	0.44Amps	12	>80
FL-24FS2835-24-WW-L	WW	5	24	2835 Lens	1300lm	10	12/24	0.44Amps	12	>80

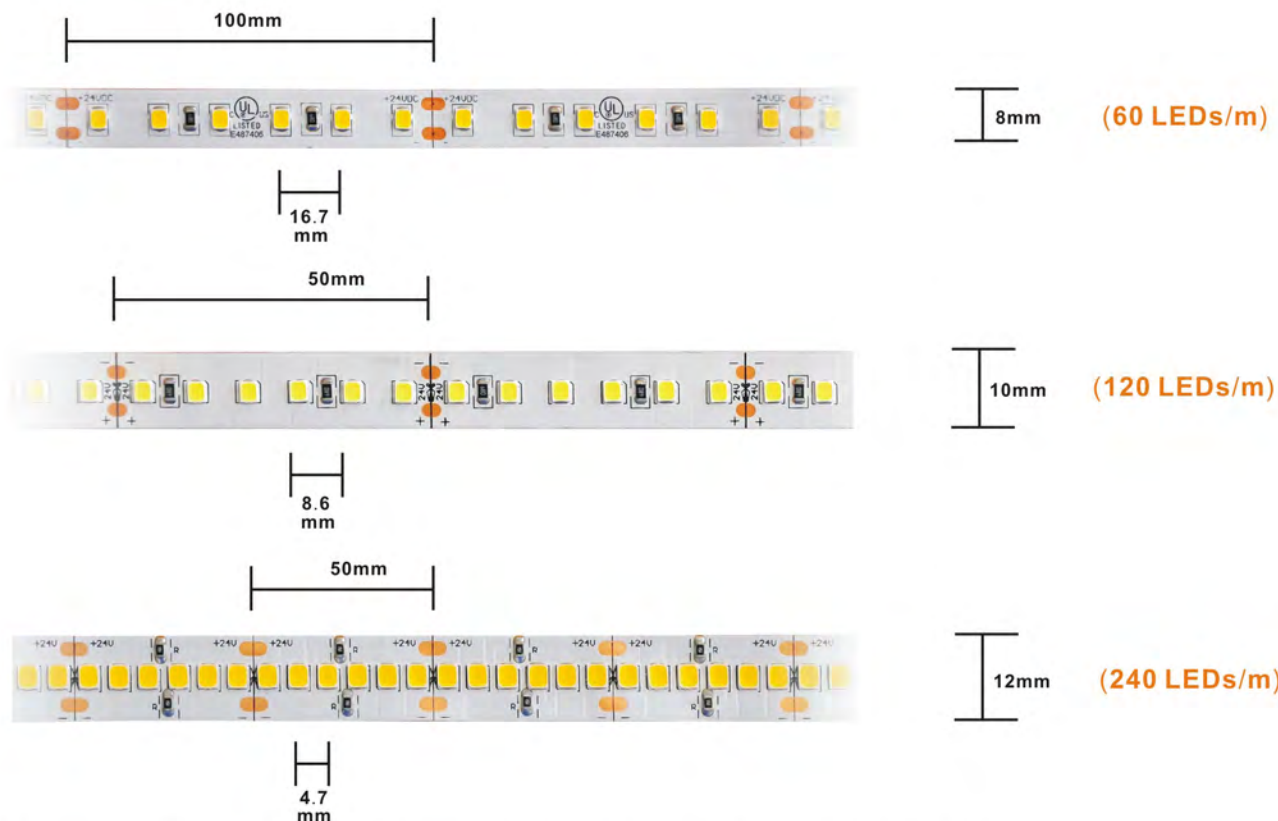
1) 2835 24 LEDs with Lens 160° angle is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 12V or 24V considering of full heat dissipation capacity





Dimension Drawing

UNIT:mm/inch



Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High CRI 95+ 2835 SMD LEDs
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty



Technical data

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max.Power Consumption (W/m)	CRI
FL-24FS2835-60-C	W	5	60	SMD 2835	720	10	24	0.42Amps	10	>95
FL-24FS2835-120-C	W	5	120	SMD 2835	1460	10	24	0.75Amps	18	>95
FL-24FS2835-240-C	W	5	240	SMD 2835	2140	10	24	1.00Amps	24	>95

1) 2835 60/120/240 LEDs/m high CRI 95 above is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 24V ONLY with a high CRI 95 above

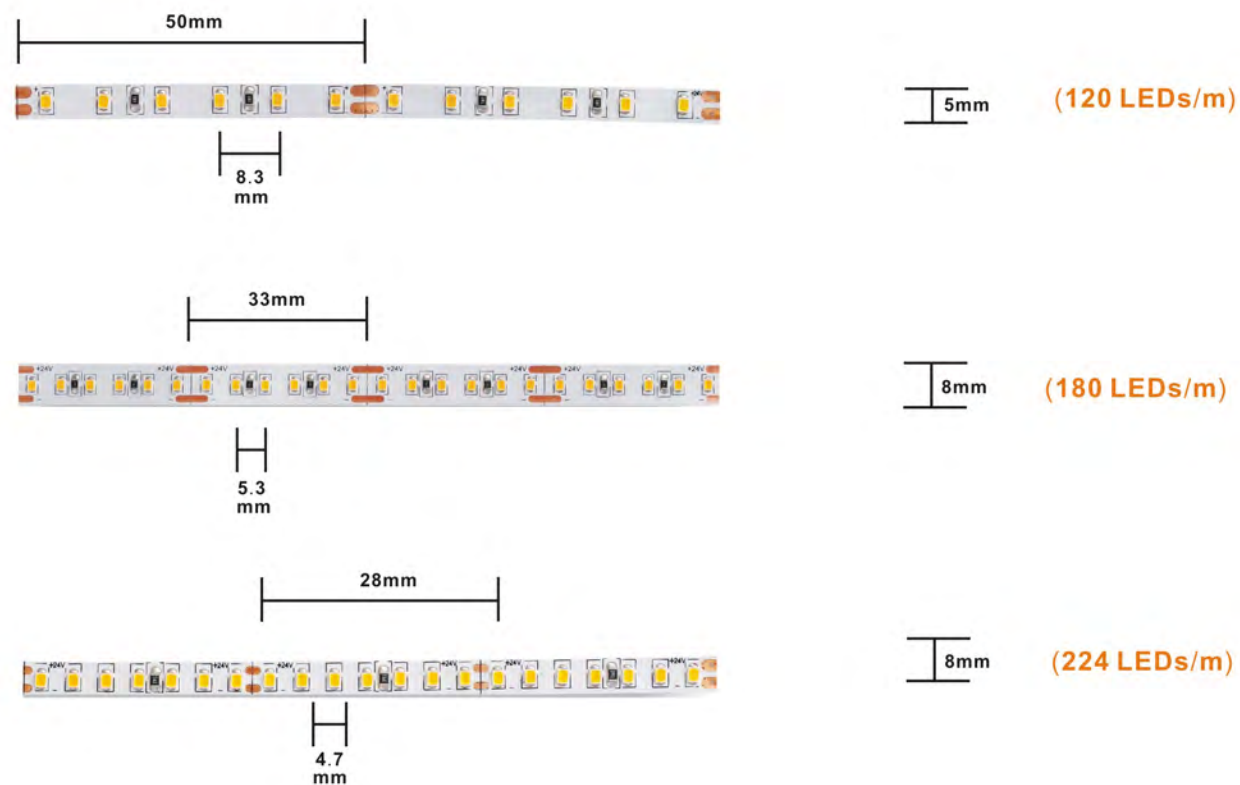
1) 2835 60/120/240 LEDs/m high CRI 95 above is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 24V ONLY with high CRI 95 above





### Dimension Drawing

UNIT:mm/inch



1) 2216 120/180/224/240 LEDs/m high CRI 95 above is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 24V ONLY with a high CRI 95 above

## Upgraded 2216 Dotless For Aluminum Profile



### Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High CRI 90+ 2216 SMD LEDs
- ◆ 120° viewing angle
- ◆ Compatible with class 2 power supplies
- ◆ Full compatible with a separate lighting dimmer
- ◆ For indoor use only
- ◆ 3 years warranty

### Technical data

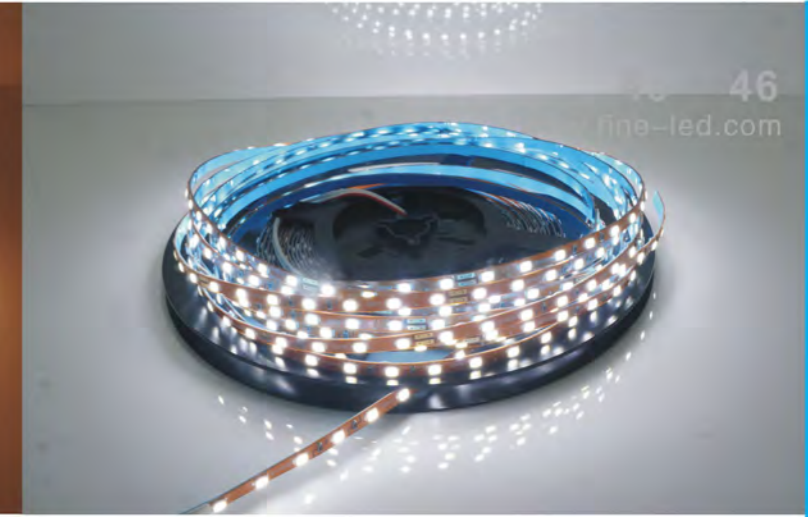
Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2216-120-C	W	5	120	SMD 2216	780	5	24	0.33Amps	8	>95
FL-24FS2216-180-C	W	5	180	SMD 2216	1520	8	24	0.50Amps	12	>95
FL-24FS2216-220-C	W	5	224	SMD 2216	1950	8	24	0.75Amps	18	>95
FL-24FS2216-240-C	W	5	240	SMD 2216	2250	10	24	1.00Amps	24	>95

1) 2216 120/180/224/240 LEDs/m high CRI 95 above is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 24V ONLY with high CRI 95 above





## LED Strip Super Mini & ENIG PCB

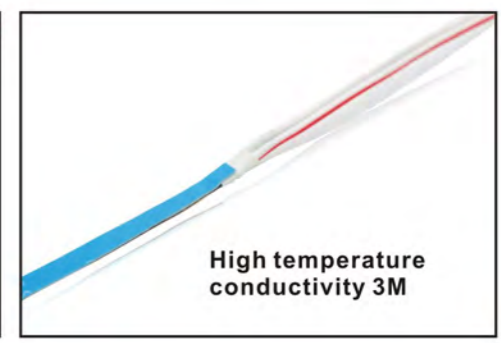
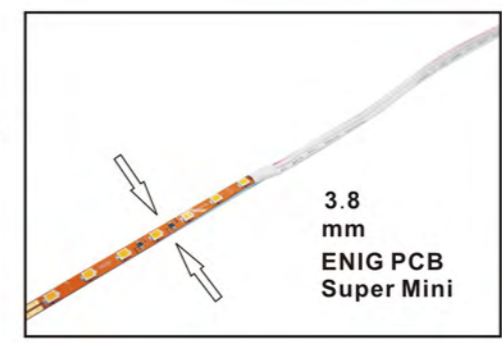


## LED STRIP 3.8MM SUPER MINI ENIG PCB



### Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra Narrow Immersion Gold Process
- ◆ High CRI 90+ 2835 SMD LEDs
- ◆ ENIG PCB 30z thickness & 3.8mm width
- ◆ Strong soldering and anti-oxidation
- ◆ Strong corrosion resistance
- ◆ Wider application
- ◆ 3 years warranty



### Technical data

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2835-84-W-IG	W	5	84	SMD 2835	1240	3.8	24	0.5Amps	12	>90
FL-24FS2835-84-WW-IG	WW	5	84	SMD 2835	1020	3.8	24	0.5Amps	12	>90

1) 2835 84 LEDs/m super narrow ENIG PCB and high CRI 95 above is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 24V ONLY with a high CRI 90 above

1) 2835 84 LEDs/m super narrow ENIG PCB and high CRI 95 above are also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 24V ONLY with high CRI 90 above

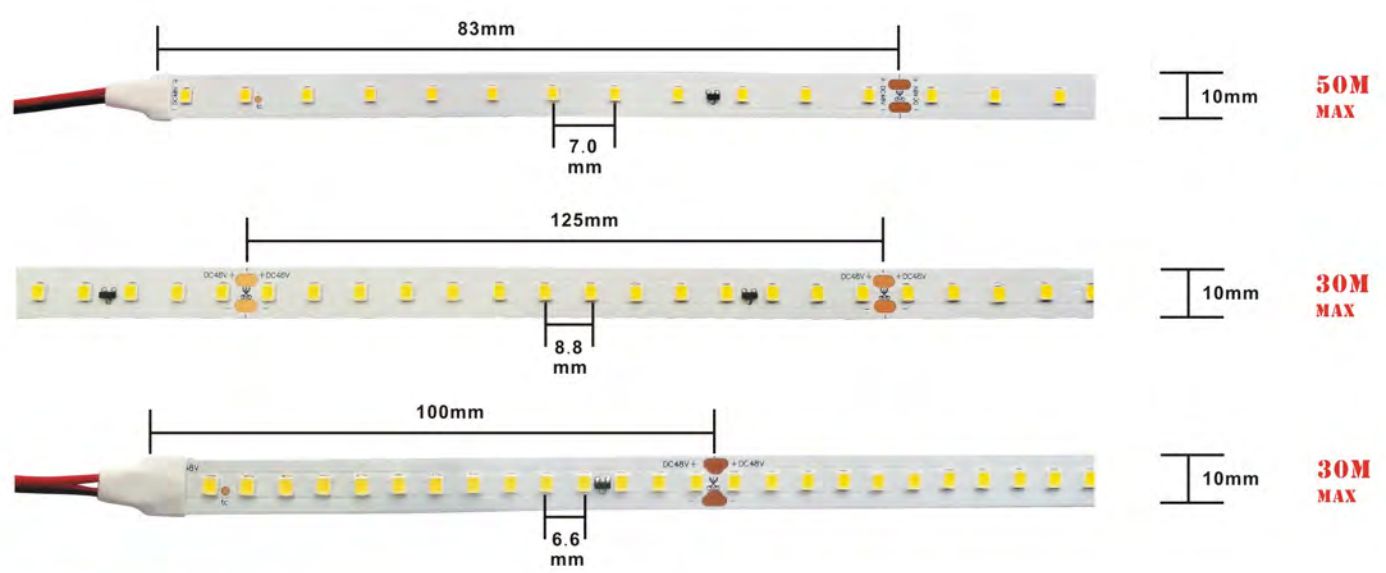


**Super Long 48V 2835  
50/30/25m On One End**

**Super Density New 2110  
700 LEDs/m 18W**



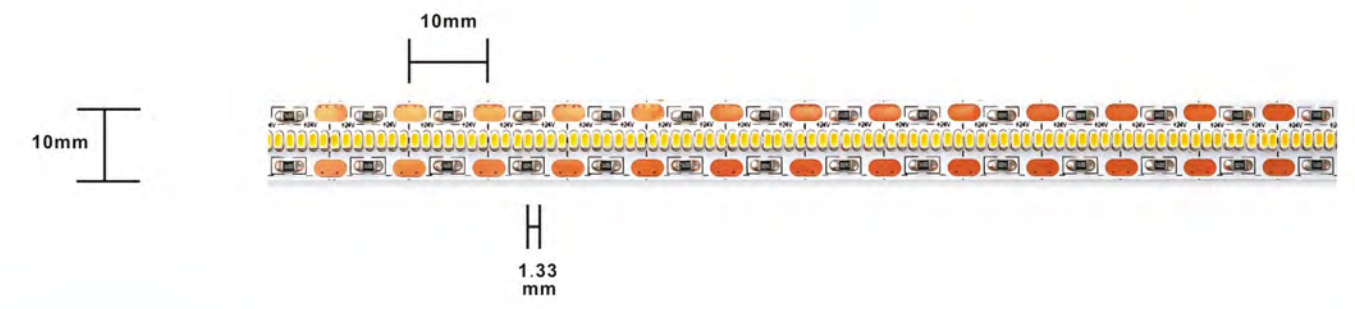
**LED STRIP 48V  
SUPER LONG 50M**



**Features**

- ◆ Long life 50,000 hours
- ◆ Safe low voltage 24Vdc
- ◆ Super density 700 Leds/m
- ◆ High CRI 90+ 2110 SMD LEDs
- ◆ Super dot less for aluminum profile
- ◆ 90lm per watt and low power consumption
- ◆ 10mm width PCB only
- ◆ Wider application
- ◆ 3 years warranty

**LED STRIP 2110  
SUPER DENSITY**



**Technical data**

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-48FS2835-72-W	W	50	72	SMD 2835	409	10	24	0.5Amps	4.3	>90
FL-48FS2835-112-W	WW	30	112	SMD 2835	750	10	24	0.5Amps	7	>90
FL-48FS2835-150-W	WW	25	150	SMD 2835	1105	10	24	0.5Amps	7	>90

1) Super long 48V LED strip above can reaches 50m/72 Leds,30m/112 Leds and 25m/150 Leds  
2) Can be 24V ONLY with a high CRI 90 above

**Technical data**

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	CRI
FL-24FS2110-700-W-IG	W	5	700	SMD 2110	1650	10	24	0.75Amps	18	>90
FL-24FS2110-700-WW-IG	WW	5	700	SMD 2110	1440	10	24	0.75Amps	18	>90

1) 2110 700 LEDs/m super density and high CRI 90 is also available in dust-proof version-epoxy glue IP65 and silicon tube IP66  
2) Can be 24V ONLY with high CRI 90 above



# Super Power Custom LED Linear Strip



## LED LINEAR STRIP FOR LINER LIGHT SUPER POWER



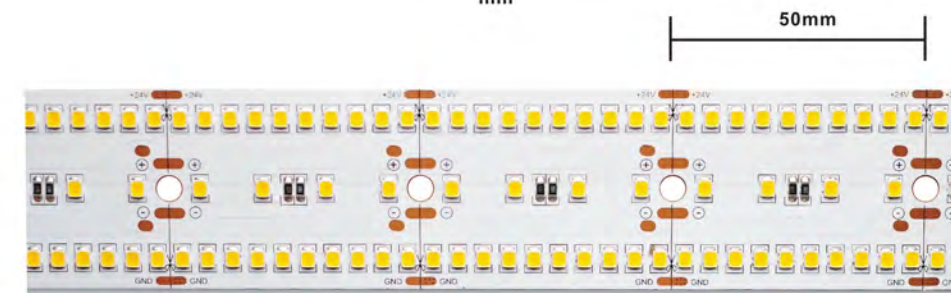
**28W  
MAX**

6.3  
mm



**32W  
MAX**

5.55  
mm



**30W  
MAX**

5.0  
mm

### Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage 24Vdc
- ◆ Super big power but low consumption
- ◆ High CRI 90+ 2835 SMD LEDs
- ◆ Super dot less for LED linear light
- ◆ Opening hole for easy installation and heat dissipation
- ◆ Could be cut to certain section you need
- ◆ Customization is available
- ◆ 3 years warranty



### Technical data

Part Number	Color	Length (m)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max.Power Consumption (W/m)	CRI
FL-24FS2835-320-W	W	5	320	SMD 2835	409	10	24	1.16Amps	28	>90
FL-24FS2835-420-W	W	5	420	SMD 2835	750	10	24	1.33Amps	32	>90
FL-24FS2835-480-W	W	5	480	SMD 2835	1105	10	24	1.25Amps	30	>90

1) Super power LED linear strip could be custom with different size or LED qty.  
2) Can be 24V ONLY with a high CRI 90 above



# Under-bed PIR Sensor LED Strip Blister Kit

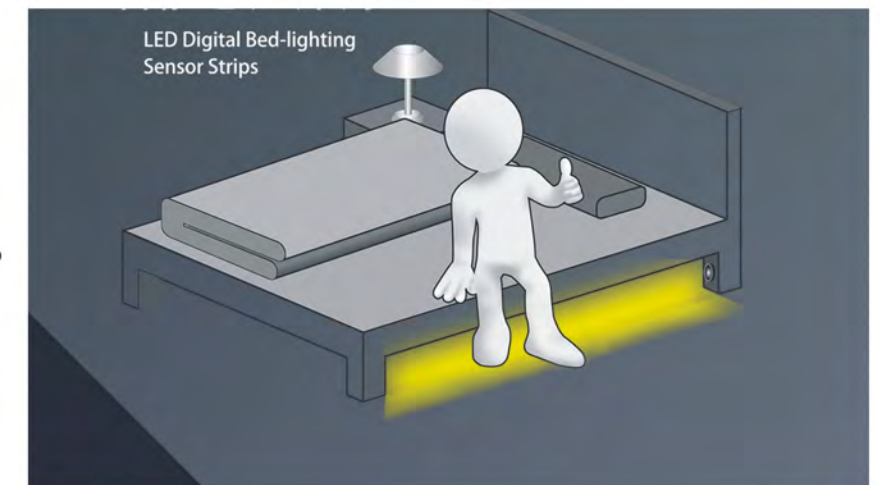


## Product View



## Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ PIR motion sensor automatically ON/OFF at night
- ◆ Can be dimmable & RGB color change by controller
- ◆ Including 1.5A adapter and 2pcs of 1.5m RGB LED strip
- ◆ One piece 24 key controller
- ◆ Sensor distance 5m Max
- ◆ 3M adhesive backing easy to install
- ◆ DC male and female connector for plug and play
- ◆ Blister package for retails or wholesales easily



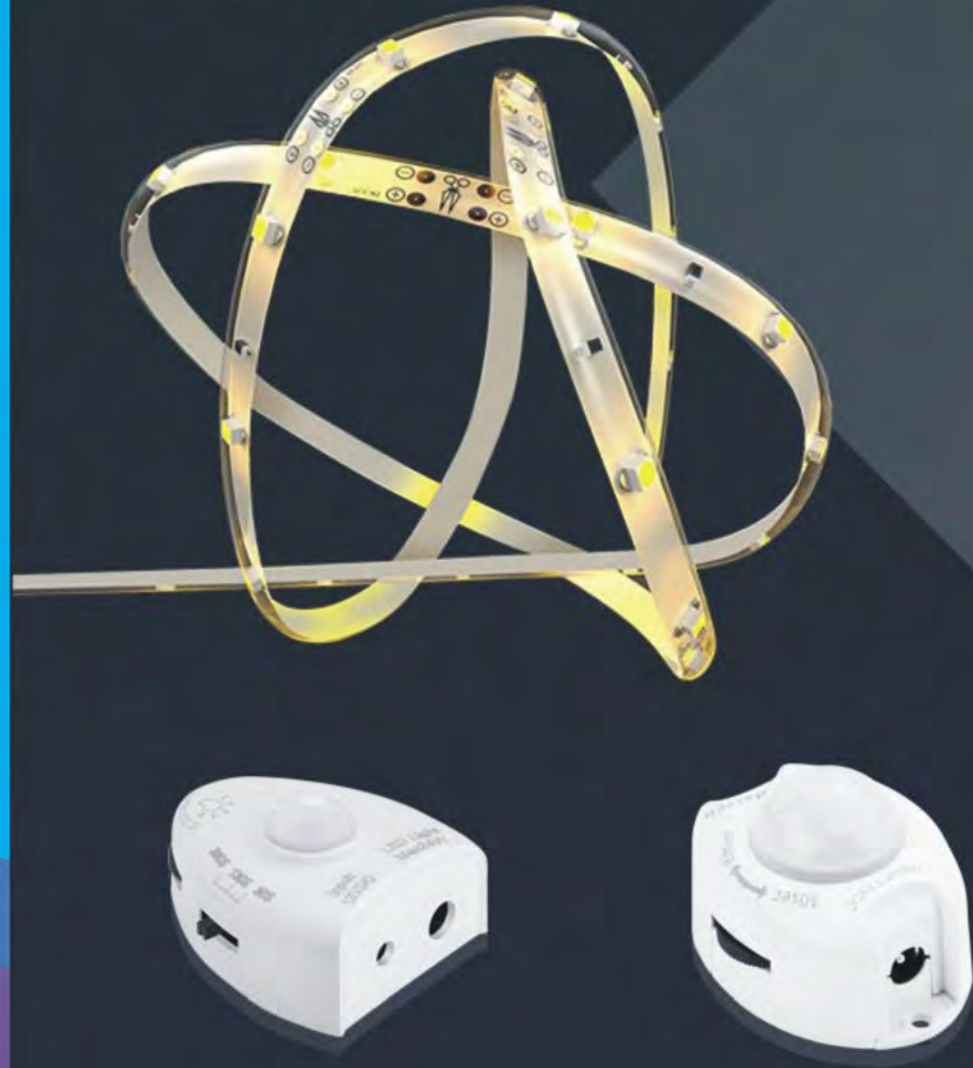
## Technical data

Part Number	Color	Length (m)	Adater (A)	Strip Type	Light Output (lm)	Max.Power Consumption (W/m)	Voltage (VDC)	Sensor Distance	Sensor Mode	Blister Package (mm)
FL-CDE-RGB	RGB	1.5x1pcs	1A	SMD 5050	390	9	12/24	5m Max	PIR motion	212X160X50
FL-CDE-RGB2	RGB	1.5x2pcs	1.5A	SMD 5050	760	18	12/24	5m Max	PIR motion	212X160X50

1) The under-bed PIR motion sensor strip kits Includes LED strip 5050 30 LEDs/m waterproof Ip65 1500mm x 2pcs  
2) Blister package cardboard can be custom on request

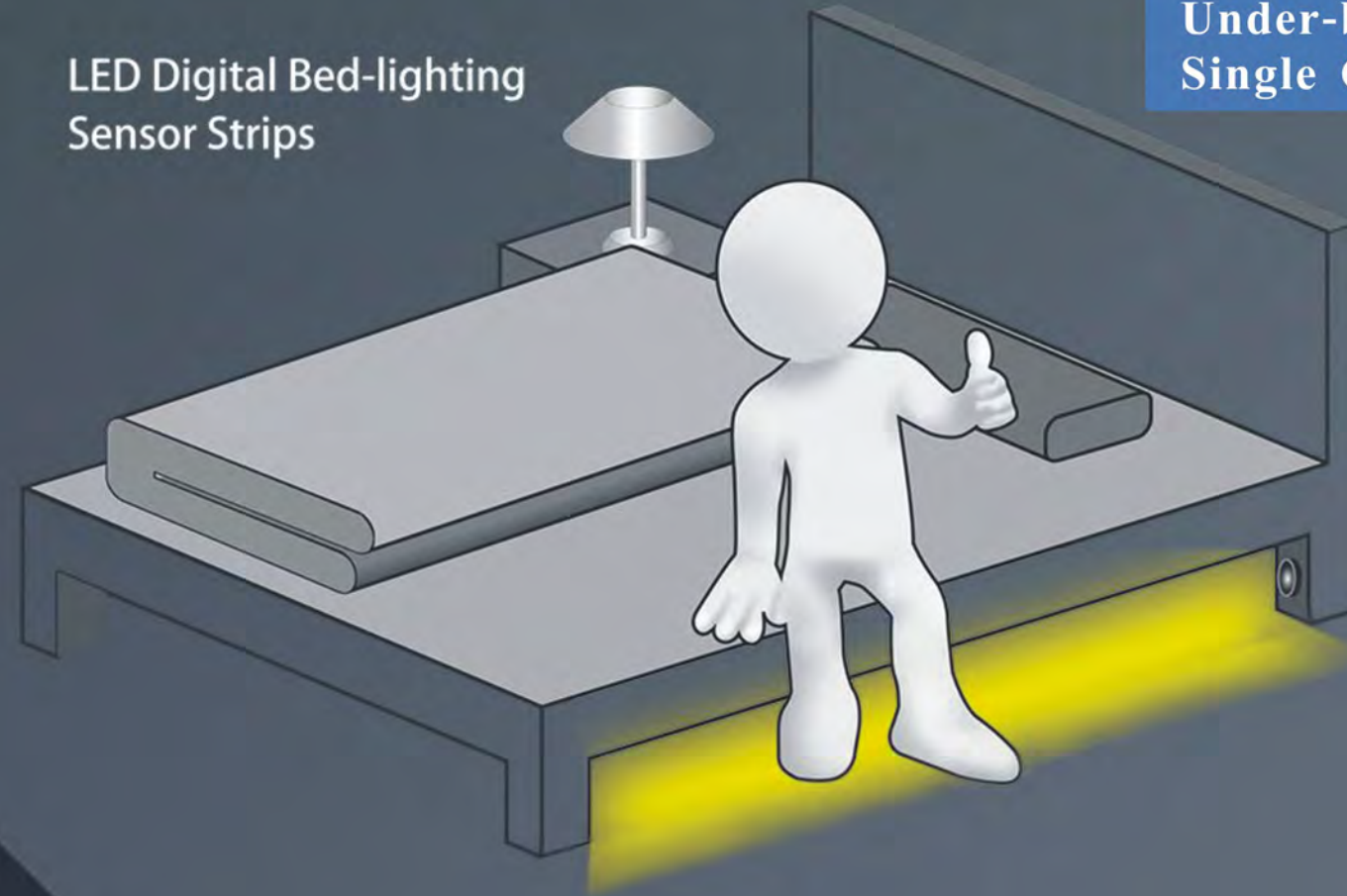
1) The under-bed PIR motion sensor strip kits Includes LED strip 5050 30 LEDs/m waterproof Ip65 1500mm x 2pcs  
2) Blister package cardboard can be custom on request





## LED Digital Bed-lighting Sensor Strips

## Under-bed PIR Sensor Single Color Strip Kit



### Product View

### Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ PIR motion sensor automatically ON/OFF at night
- ◆ Can be dimmable by sensor knob button
- ◆ Including 0.5A adapter and 2pcs of 1.2m single color LED strip
- ◆ Two piece dimmable sensors
- ◆ Sensor distance 5m Max
- ◆ 3M adhesive backing easy to install
- ◆ DC male and female conector for plug and play
- ◆ Blister package for retails or wholesales easily

### Technical data

Part Number	Color	Length (m)	Adater (A)	Strip Type	Light Output (lm)	Max.Power Consumption (W/m)	Voltage (VDC)	Sensor Distance	Sensor Mode	Blister Package (mm)
FL-CDA-1	RGB	1.2x1pcs	0.5A	SMD 2835	500	6	12/24	5m Max	PIR motion	212X160X50
FL-CDA-2	RGB	1.2x2pcs	0.5A	SMD 2835	900	12	12/24	5m Max	PIR motion	212X160X50

1) The under-bed PIR motion sensor strip kits Includes LED strip 2835 30 LEDs/m waterproof Ip65 1200mm x 1 pc or 2pcs  
2) Blister package cardboard can be custom on request



1) The under-bed PIR motion sensor strip kits Includes LED strip 2835 30 LEDs/m waterproof Ip65 1200mm x 1pc or 2pcs  
2) Blister package cardboard can be custom on request





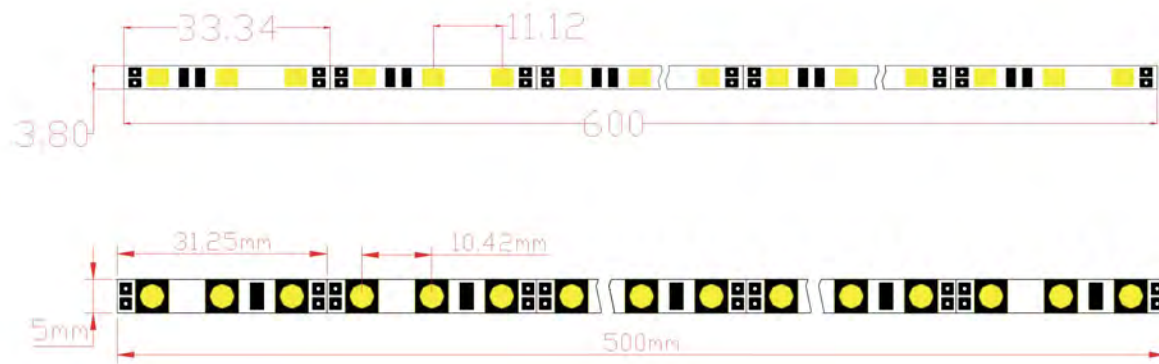
# Side-lit Rigid Bar 2835 & 5050 Series

## Features

- ◆ Long life 50,000 hours
- ◆ Safe low voltage (12Vdc or 24Vdc)
- ◆ Ultra low power consumption
- ◆ High brightness 2835 & 5050 SMD LED
- ◆ 120° viewing angle with lens
- ◆ 2mm glass fiber PCB for good heat dissipation
- ◆ Full dimmable with a separate lighting dimmer
- ◆ Special for ultra thin light box
- ◆ 3 years warranty



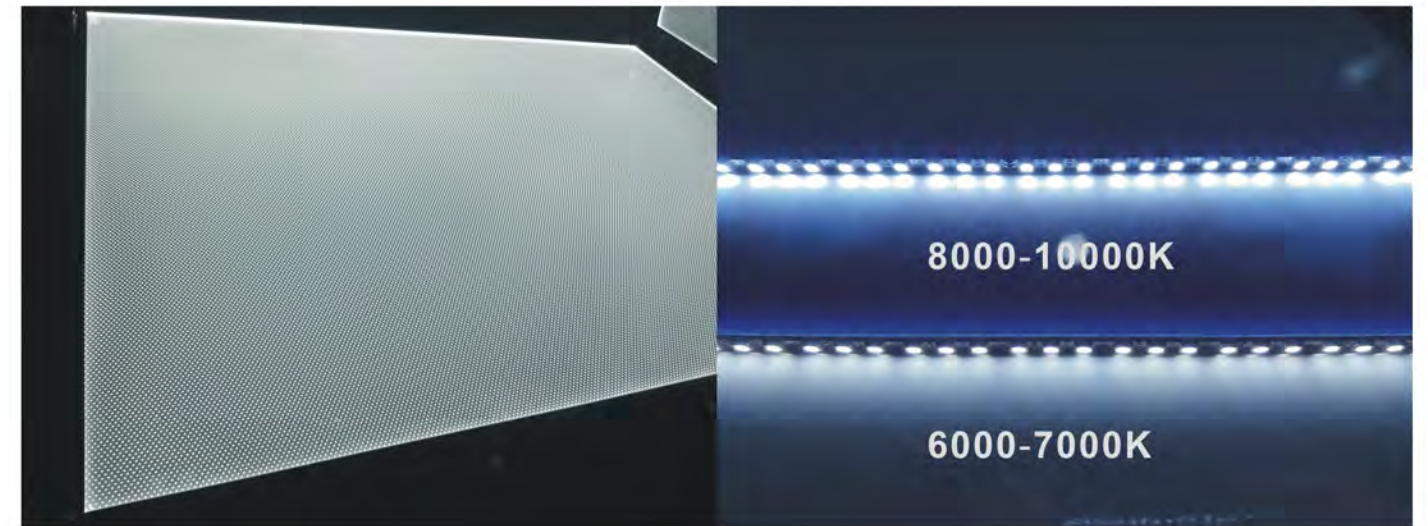
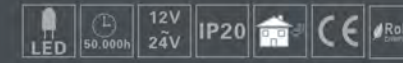
## Dimension Drawing



## Technical data

Part Number	Color	CCT (K)	LED Q'ty	LED Type	Light Output (lm)	Beam Angle (°)	Voltage (VDC)	Length (m)	Max. Power Consumption (W/m)	Continuous Connection (m)
FL-12RS2835-60	RGB	6K-10K	60	Top 2835	1200lm	120°	12V	1m	12W	5
FL-12RS2835-81	RGB	6K-10K	81	Top 2835	1600lm	120°	12V	1m	16W	5
FL-12RS2835-90	RGB	6K-10K	90	Top 2835	1800lm	120°	12V	1m	18W	5
FL-12RS2835-120	RGB	6K-10K	120	Top 2835	2300lm	120°	12V	1m	24W	5

1) 2835 rigid bar series comes with high quality 2mm fiber glass PCB  
2) Can be 12V or 24V special for ultra-thin light box

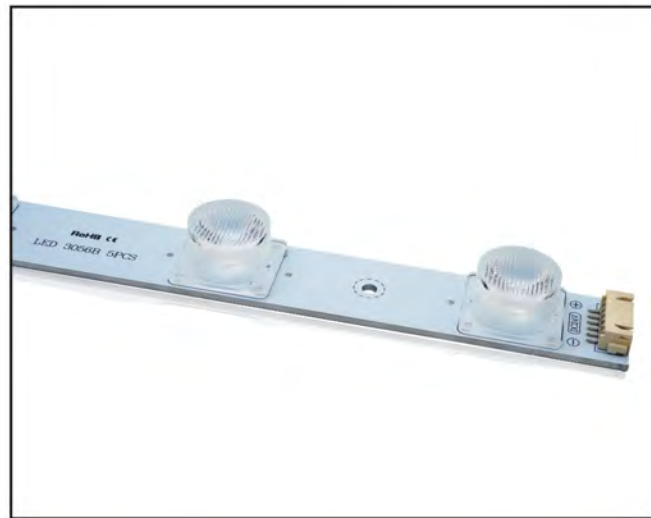


## Technical data

Part Number	Color	CCT (K)	LED Q'ty	LED Type	Light Output (lm)	Beam Angle (°)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	Continuous Connection (m)
FL-12RS5050-75	RGB	6K-10K	75	Top 5050	1500lm	120°	12V	1.5A	18W	5
FL-12RS5050-84	RGB	6K-10K	84	Top 5050	1650lm	120°	12V	1.7A	20W	5
FL-12RS5050-96	RGB	6K-10K	96	Top 5050	1930lm	120°	12V	1.9A	23W	5

1) 5050 rigid bar series comes with high quality 2mm fiber glass PCB  
2) Can be 12V or 24V special for ultra-thin light box

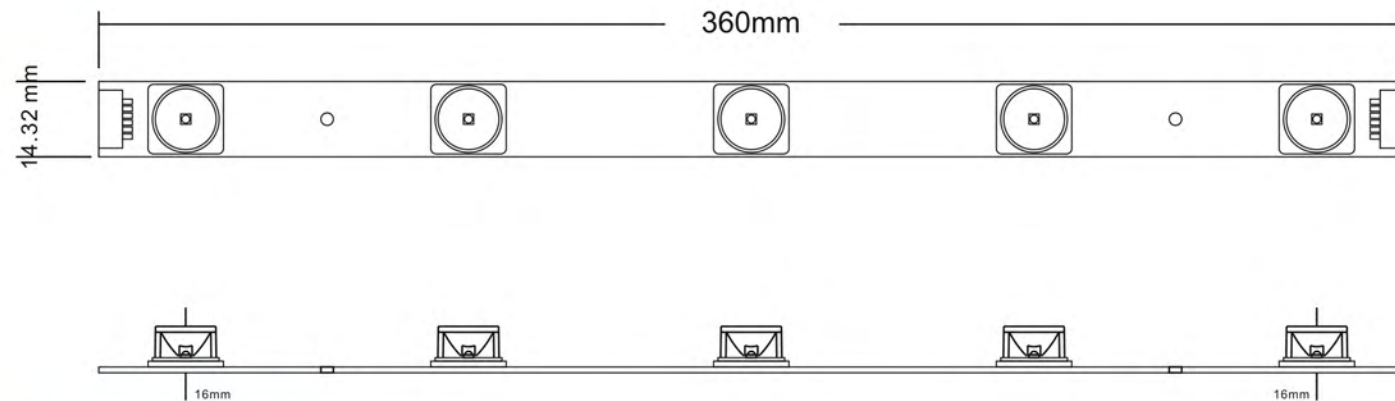




## 15X45 DEG. LIGHTING BEAM



### Dimension Drawing



### Technical data

Part Number	Color	CCT (K)	LED O'ty	LED Type	Light Output (lm)	Beam Angle (°)	Voltage (VDC)	Length (m)	Max. Power Consumption (W/m)	Continuous Connection (Pcs)
FL-24LC3535-5-W		6000K	5	SMD 3535	700lm	15x45°	24V	0.36/0.45	10W	20

1) 3535 Side-lit bar series can be custom with different length or qty of LED  
 2) Special for middle or big light box or display with a depth between 80-200mm, It can illuminate a distance of 1000-1000mm

## Sid-lit Bar 3535 Single color

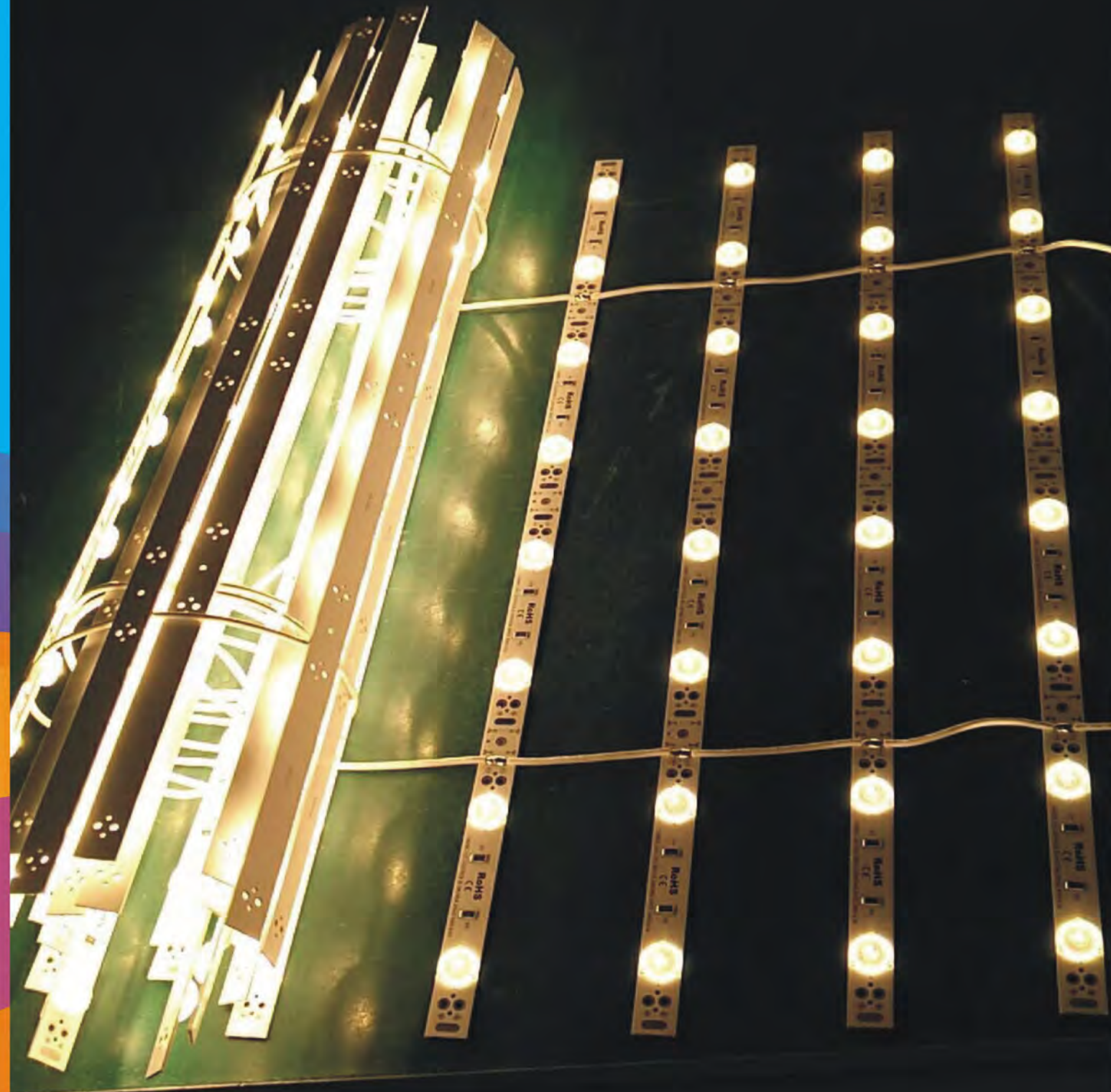


### Features

- ◆ Long life 50,000 hours
- ◆ Constant current low voltage 24Vdc
- ◆ Ultra low power consumption
- ◆ High brightness 3535 SMD Soeul
- ◆ 15° X 45° viewing angle with lens
- ◆ 2mm Aluminum PCB for good heat dissipation
- ◆ High-precision resistor without flickering
- ◆ UL E315628 14AWG Wire
- ◆ Fast connector for plug and play
- ◆ It can illuminate a distance between 1000-2000mm
- ◆ Special for middle or big light box with a depth of 80-200mm
- ◆ 3 years warranty



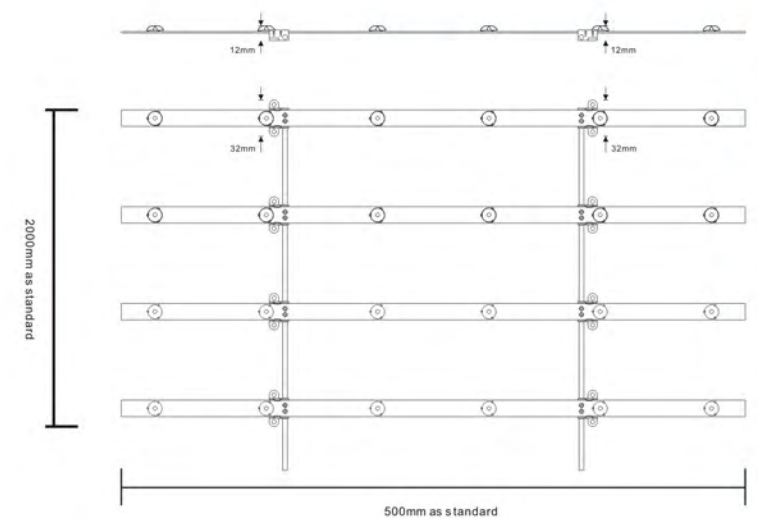
3030 BACK LIGHT  
**WIDE BEAM 160°**



Features

- ◆ Long life 50,000 hours
- ◆ Constant current low voltage 24Vdc
- ◆ Ultra low power consumption
- ◆ High brightness 3030 SMD Soeul, single color or tunable color
- ◆ 160° viewing angle with lens
- ◆ 1.6mm glass fiber PCB for good heat dissipation
- ◆ High-precision resistor without flickering
- ◆ UL E315628 14AWG Wire
- ◆ Fast connector for plug and play
- ◆ 2 Leds cuttable with cutting marking
- ◆ Special for middle or big light box with a depth of 80-200mm
- ◆ 3 years warranty

Dimension Drawing



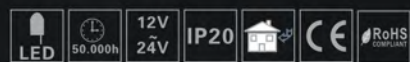
Technical data

Part Number	Color	CCT (K)	LED Q'ty	LED Type	Light Output (lm)	Beam Angle (°)	Voltage (VDC)	Current (Amps/m)	Max. Power Consumption (W/m)	Continuous Connection (Pcs)
FL-24LC3030-4	RGBW	3K-6K	4	SMD 3030	450lm	160°	24V	0.17A	4W	20
FL-24LC3030-6	RGBW	3K-6K	6	SMD 3030	700lm	160°	24V	0.25A	6W	20
FL-24LC3030-8	RGBW	3K-6K	8	SMD 3030	880lm	160°	24V	0.33A	8W	20

1) 3030 back-lit lattice rigid bar series can be custom with different length or qty of LED  
2) Special for middle or big light box or display with a depth between 80-200mm



# Lattice Light 3030 Tunable color



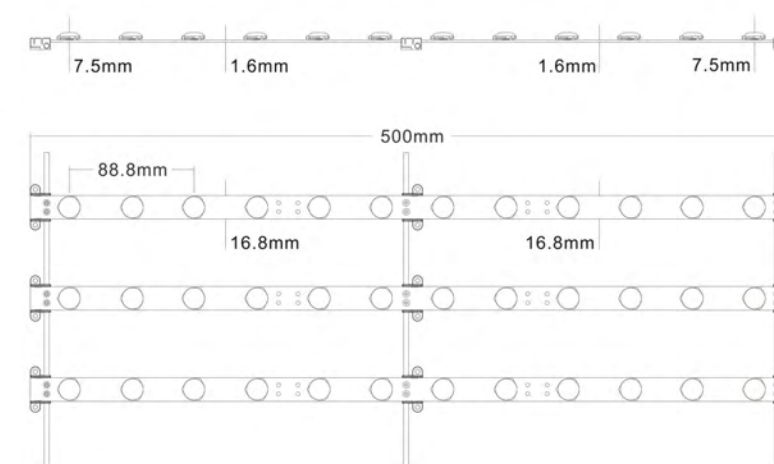
3030 BACK LIGHT TUNABLE COLOR  
**WIDE BEAM 160°**



## Features

- ◆ Long life 50,000 hours
- ◆ Constant current low voltage 24Vdc
- ◆ Ultra low power consumption
- ◆ High brightness 3030 SMD Seoul, single color or tunable color
- ◆ 160° viewing angle with lens
- ◆ 1.6mm glass fiber PCB for good heat dissipation
- ◆ High-precision resistor without flickering
- ◆ UL E315628 14AWG Wire
- ◆ Fast connector for plug and play
- ◆ 2 Leds cuttable with cutting marking
- ◆ Special for middle or big light box with a depth of 80-200mm
- ◆ 3 years warranty

## Dimension Drawing



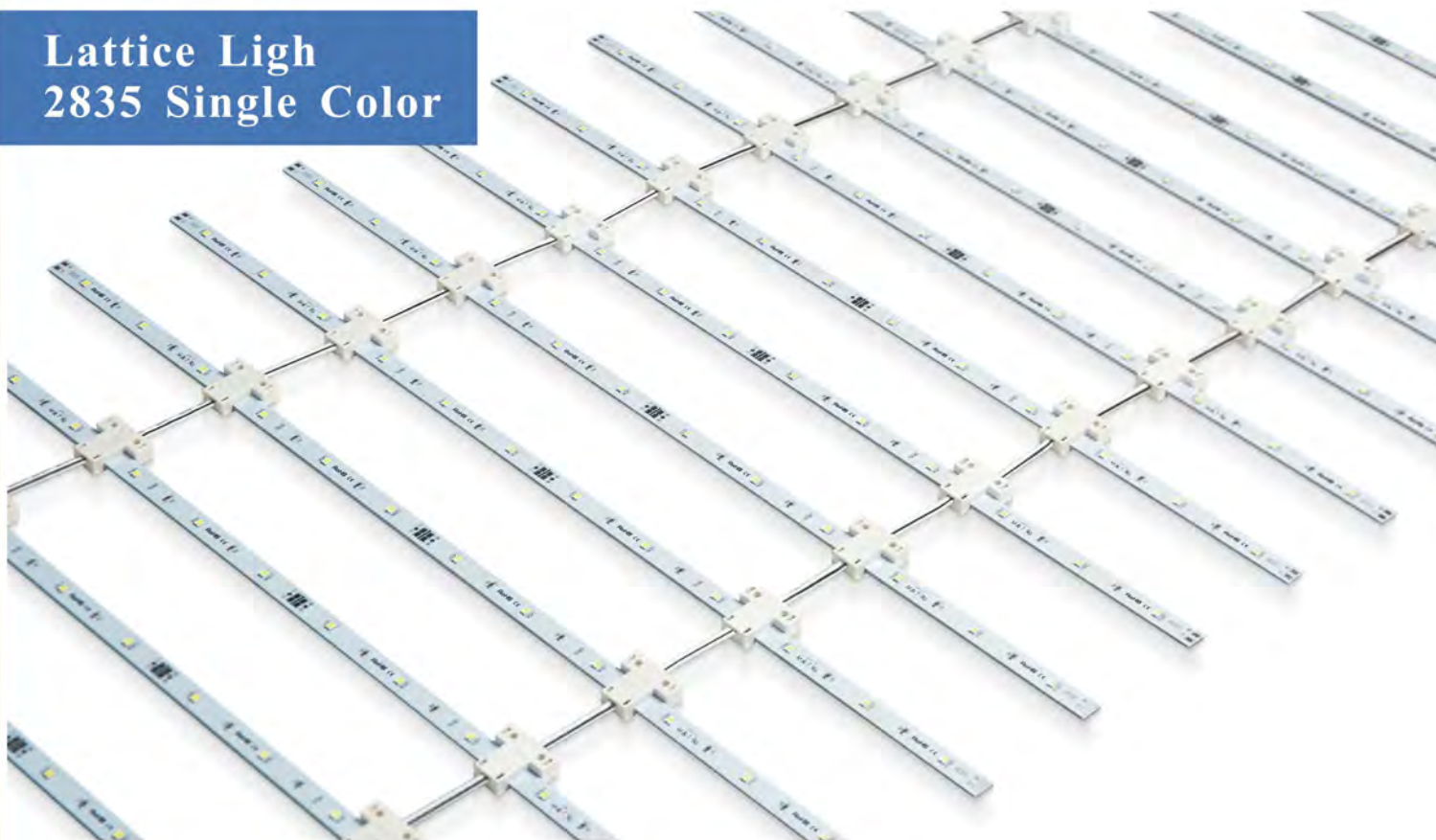
## Technical data

Part Number	Color	CCT (K)	LED Q'ty	LED Type	Light Output (lm)	Beam Angle (°)	Voltage (VDC)	Length (m)	Max. Power Consumption (W/m)	Continuous Connection (Pcs)
FL-24LC3030-12-CCT		3K-6K	12	SMD 3030	800lm	160°	24V	0.5m	12W	20

1) 3030 back-lit lattice series can be custom with different length or qty of LED  
2) Special for middle or big light box or display with a depth between 80-200mm



## Lattice Light 2835 Single Color

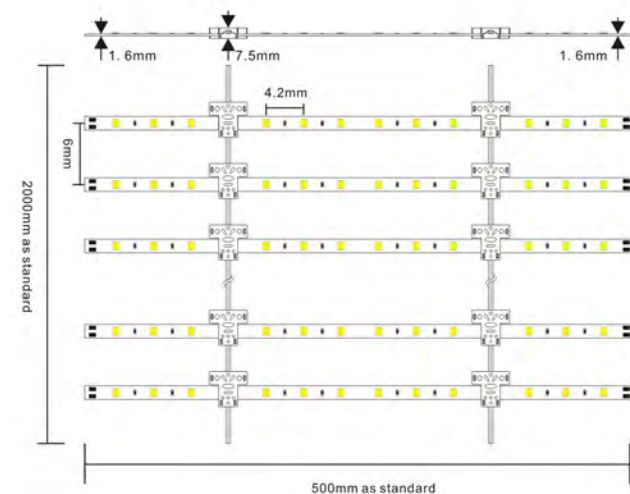


## 2835 12 LEDS/PCS LED LATTICE BACK LIGH

### Features

- ◆ Long life 50,000 hours
- ◆ Constant voltage 24Vdc
- ◆ Ultra low power consumption
- ◆ High brightness 2835 SMD Epistar, single color or tunable color
- ◆ 120° viewing angle with lens
- ◆ 1.6mm glass fiber PCB for good heat dissipation
- ◆ Could be used for back light and signs
- ◆ UL E315628 14AWG Wire
- ◆ Fast connector for plug and play
- ◆ 3 Leds cuttable with cutting marking
- ◆ Special for middle or big light box with a depth of 80-200mm
- ◆ 3 years warranty

### Dimension Drawing



### Technical data

Part Number	Color	CCT (K)	LED Q'ty	LED Type	Light Output (lm)	Beam Angle (°)	Voltage (VDC)	Length (m)	Max. Power Consumption (W/m)	Continuous Connection (Pcs)
FL-12LC2835-12-W	RGB	3K/4K/6K	12	SMD 2835	240 lm	120°	12V	0.5m	2.8W	20
FL-24LC2835-24-CCT	RGB	3K-6K	24	SMD 2835	240 lm	120°	24V	0.5m	2.8W	20

1) 2835 back-lit lattice series can be custom with different length or qty of LED  
2) Special for middle or big light box or display with a depth between 80-200mm

## LED Flexible Module 420 LEDs/pcs

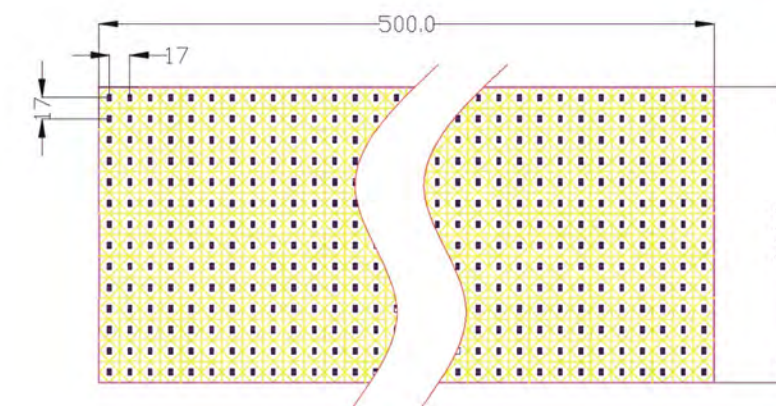


## 2835 420 LEDS/PCS LED FLEXIBLE MODULE

### Features

- ◆ Long life 50,000 hours
- ◆ Constant voltage low voltage 12Vdc for human safety
- ◆ Ultra low power consumption
- ◆ High brightness 2835 SMD Epistar, single color or tunable color
- ◆ 120° viewing angle with lens
- ◆ 3oz coppered PCB for good heat dissipation
- ◆ Ideal for irregular project especially for column or wave
- ◆ Easy splitjoint or combination
- ◆ Wire to board connector for plug and play
- ◆ Every Leds cuttable with cutting marking
- ◆ Special for middle or big light box with a depth of 80-200mm
- ◆ 3 years warranty

### Dimension Drawing



### Technical data

Part Number	Color	CCT (K)	LED Q'ty	LED Type	Light Output (lm)	Beam Angle (°)	Voltage (VDC)	Length (m)	Max. Power Consumption (W/m)	Continuous Connection (Pcs)
FL-12FM2835-420-CCT	RGB	3K/4K/6K	420	SMD 2835	1800 lm	120°	12V	500x240mm	25.2W	15

1) 2835 soft module series can be custom with different length or qty of LED  
2) Special for middle or big light box or display with a depth between 80-200mm