



FINELED CATALOGUE



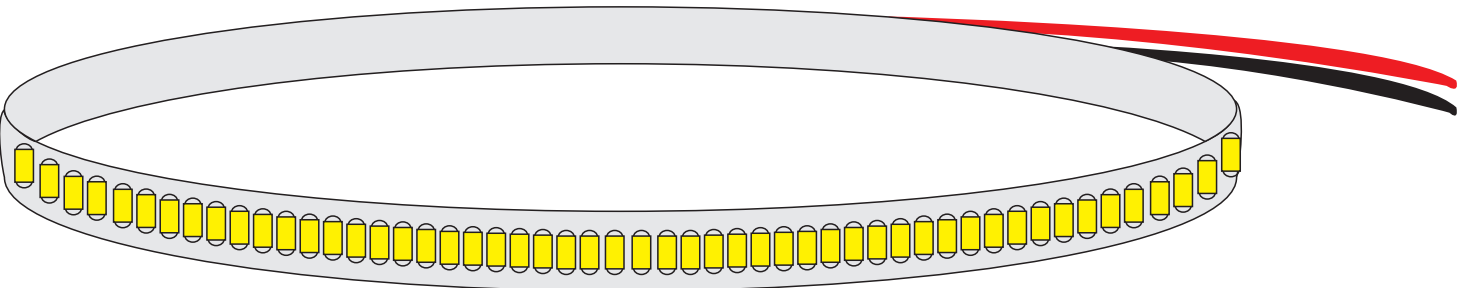
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We focus on High Quality LED Strip

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COMPANY PROFILE


FINELED was founded in 2010, is one professional manufacturer that specializing in production and marketing of LED Strip, we have about 120 staffs and have qualified and talented R & D engineers, QA engineers, QC engineers that provide high reliability and high stability products, we have successfully obtained certificates of ISO9001, CE, RoHS, FCC and UL, FINELED also equipped many professional machines for quality test, for example, Salty & humidity testing, High & low temperature testing, Twist testing and UV testing etc.


We select the best raw materials including LED packages, PCBs, Tins, Resistors, 3M adhesive tapes and so on, our concepts are continually creating One order One BIN, the color consistency and color temperature control is a premier important for FINELED.

We offer excellent marketing and after service to over 30 countries in the world and winning a great reputation with our LED Flexible Strip.

120

2010

7000 m²

500K m/y



CERTIFICATION



Product Nomenclature

FL

- XX

FS

XXXX

- XXX

- XX

- XX

- IP

XX

IP rating

IP20: Non-waterproof

IP54A: Silicon coating

IP54B: Nano coating

IP65A: Shrink tube

IP65B: Silicon tube

IP67: Silicon filling

IP68: Extrusion

Strip type or angle

C: Constant Current

V: Constant Voltage

B: Bendable Zigzag

L: 160°

LS: 30°

LM: 45°

LB: 90°

LR: 15x45°

DS:Double Sides

Color & CCT

LW: 1800-2200K

WW: 2800-3200K

NW: 4000-4500K

DW: 5000-5500K

CW: 6000-6500K

HW: 7000-8000K

CCT: Dual color

RGB+W: RGB+White

RGBWW: RGBW 4-in-1

WRGBW: RGBWW 5-in-1

RGB+CCT: RGB+W+WW

R: RED

B: BLUE

G: GREEN

Y: YELLOW

P: PINK

LED Qty/meter

030: 30 LEDs/m

060: 60 LEDs/m

096: 96 LEDs/m

120: 120 LEDs/m

180: 180 LEDs/m

240: 240 LEDs/m

280: 280 LEDs/m

320: 320 LEDs/m

480: 480 LEDs/m

560: 560 LEDs/m

700: 700 LEDs/m

840: 480 LEDs/m

LED type

3528

5050

3014

5730

2835

3030

3535

4040

5050

6060

2110

2216

For short of Flexible Strip

Voltage

5: 5V

12: 12V

24: 24V

48: 48V

Company name

IP Rating Code for FINELED



IP54A: Silicon coating ▲



IP54B: Nano coating ▲



IP65A: Shrink Tube ▲



IP65B: Silicon tube ▲



IP67: Silicon filling ▲



IP68: Extrusion ▲

Color & CCT for FINELED



1800-2200K ▲



2700-2900K ▲



2800-3200K ▲



4000-4500K ▲



5000-5500K ▲



6000-6500K ▲



RED ▲



GREEN ▲



BLUE ▲



YELLOW ▲



DUAL COLOR ▲



R/G/B ▲



RGB+W & RGBW ▲



WRGBW & RGB+CCT ▲

CRI for FINELED

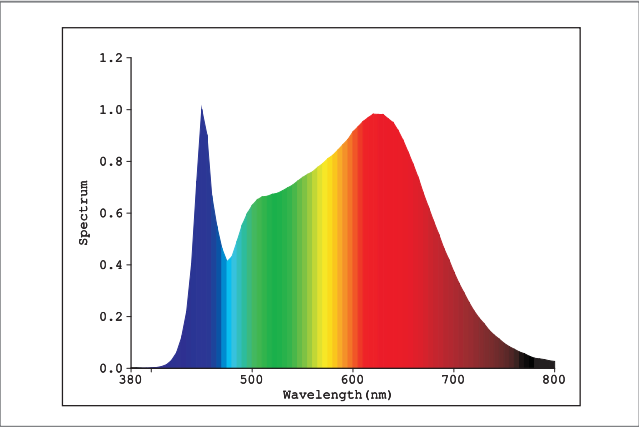
<div>Ra</div> <div>>80</div>	<div>Ra</div> <div>>90</div>	<div>Ra</div> <div>95+</div>
CRI>80	CRI>90	CRI>95

Color Rendering Index (CRI) for Signle Color

CRI>80 or CRI>90 is our premier choice.
Under a low CRI, the colors agent right;
Under a high CRI, the colors appear as they were originally intended;
Under daylight, the candy looks the way it was supposed to...



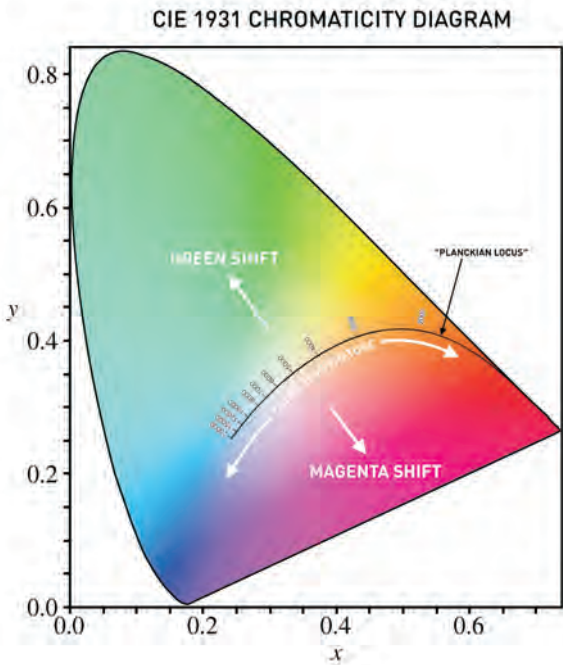
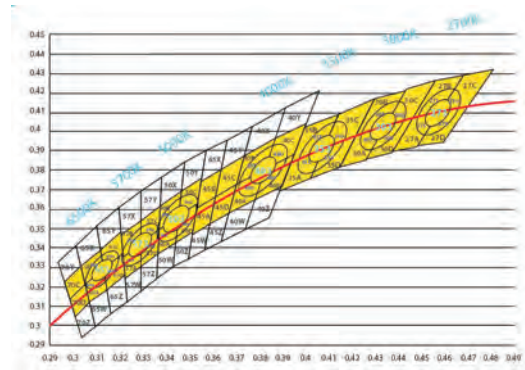
High CRI Vs. Low CRI



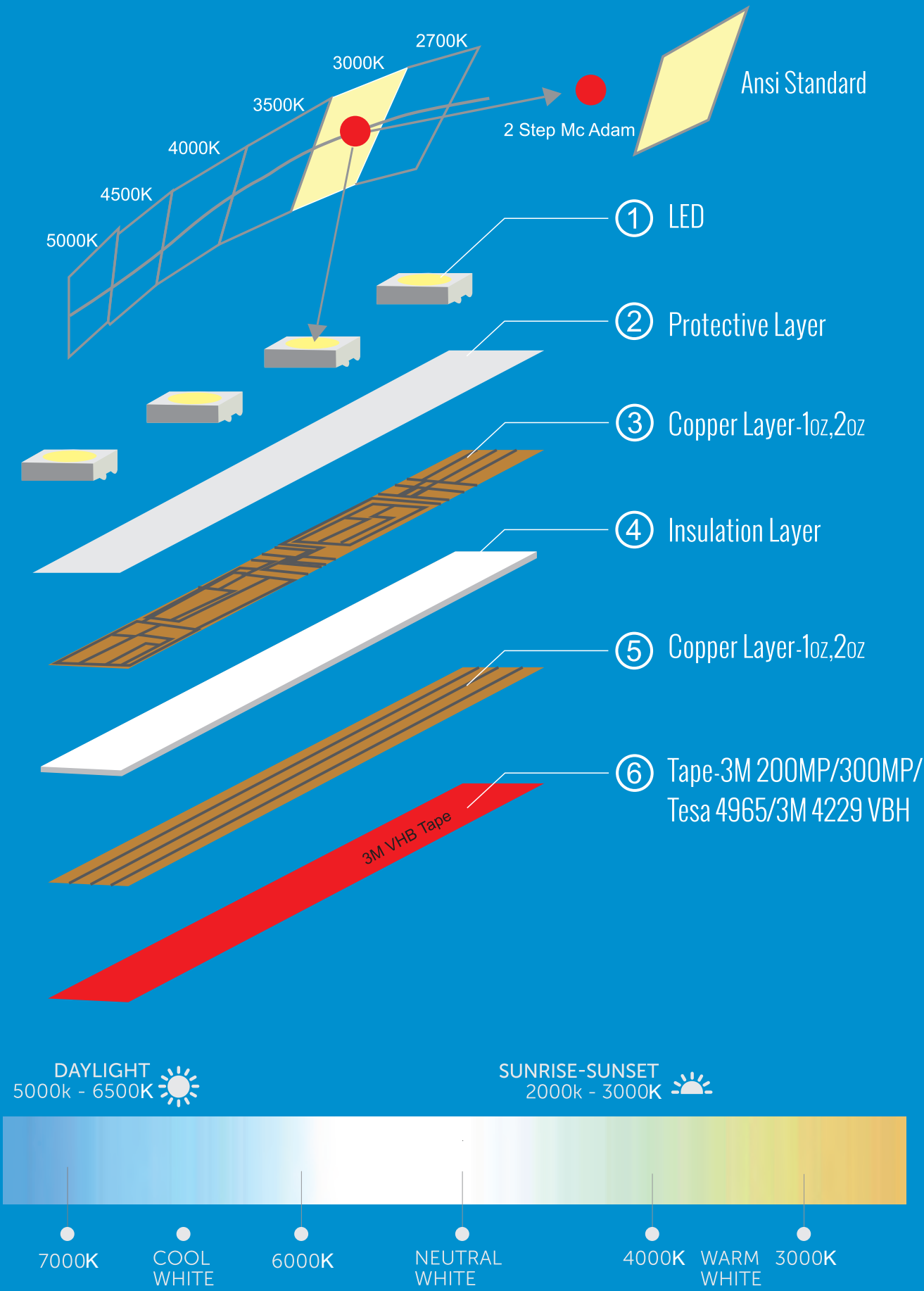
High CRI Spectrum

BIN & SDCM of FINELED

BIN of FINELED is sorted based on ANSI and good SDCM level.
One order, One BIN, SDCM<5 or SDCM<3 for option.



LED STRIP STRUCTURE





Without Aluminum Profile



With Aluminum Profile

2835/5050 SIDE-LIT LIGHTING 120° RIGID BAR



Color Option

2200K	2700K	3000K
4000K	5000K	6000K
8000K	10000K	12000K

IP Grade Option

IP65A	IP64B	IP54A
IP 68	IP 67	IP65B

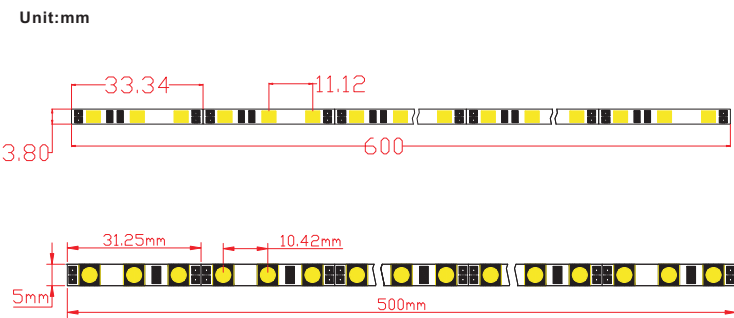
Ra Option

Ra >80	Ra >90	Ra 95+
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Dimmable	Beam	Warranty
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CE	RoHS	UL LISTED E487405
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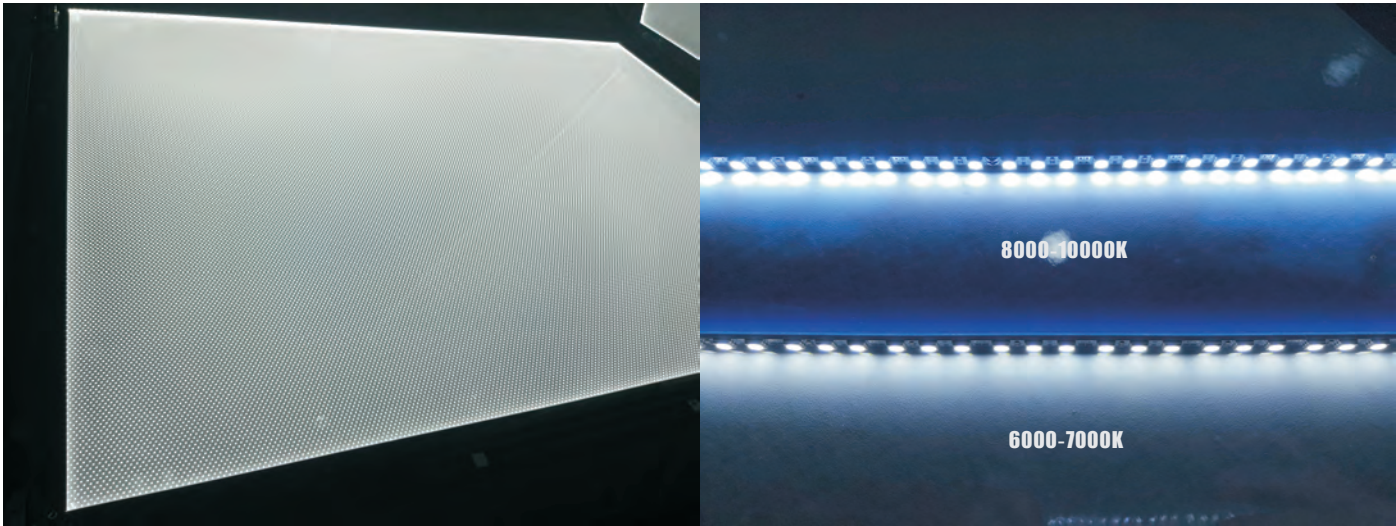
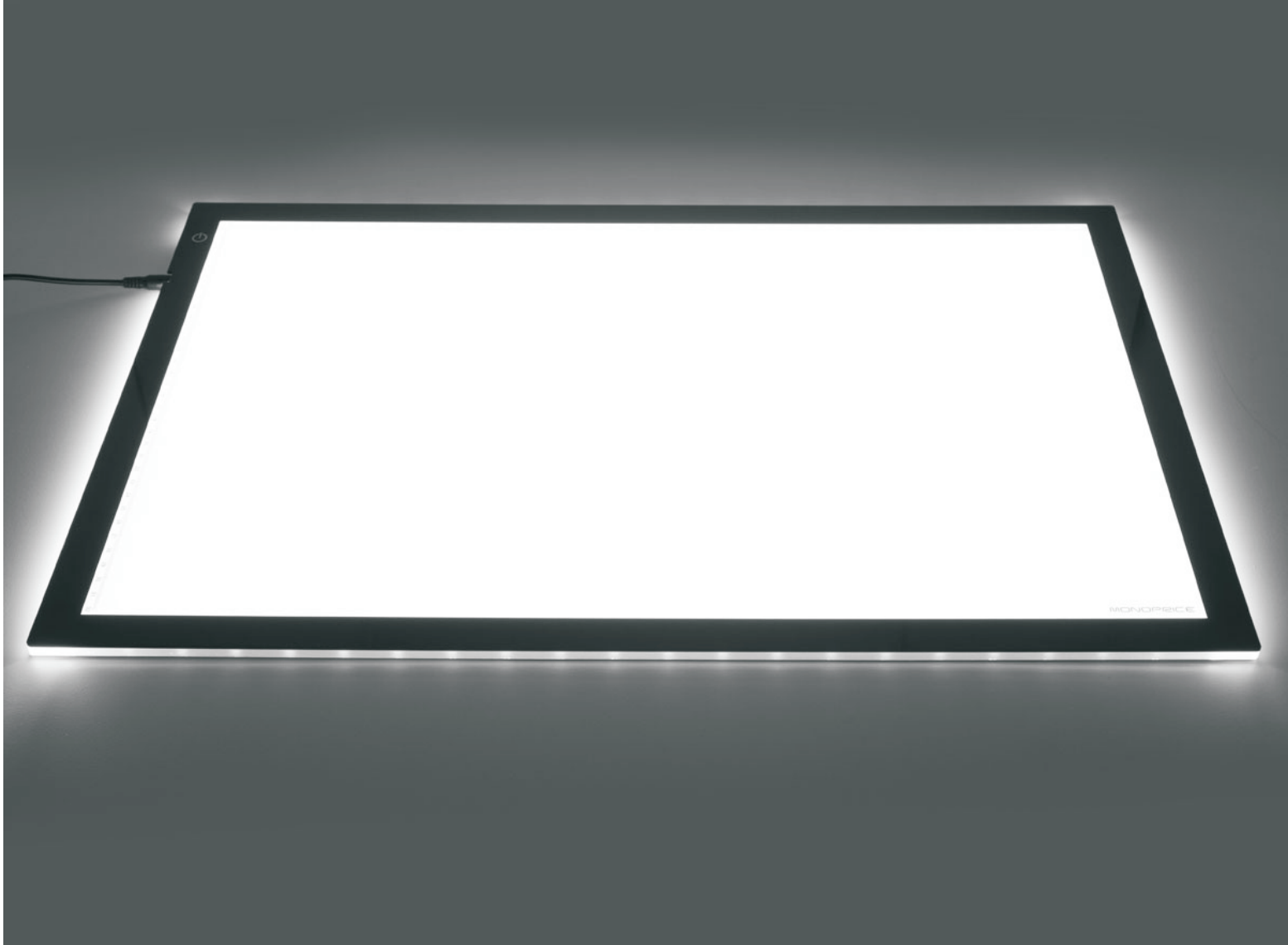
Dimension Drawing



Technical data

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

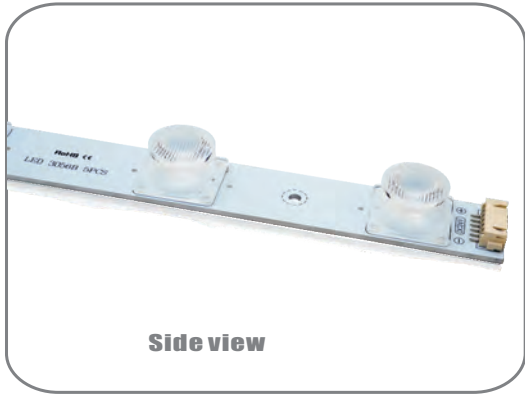
* The above measurements are based on IP20 which may have a 10% tolerance



Technical data

Part Number	Color	CCT (K)	LED Q'ty	LED Type	Light Output (lm)	PCB Width (mm)	Voltage (VDC)	Current (Amps/m)	Max.Power Consumption (W/m)	Continuous Connection (m)
FL-12RS5050-75		6K-10K	75	Top 5050	1500lm	5mm	12V	1. 5A	18W	5
FL-12RS5050-84		6K-10K	84	Top 5050	1650lm	5mm	12V	1. 7A	20W	5
FL-12RS5050-96		6K-10K	96	Top 5050	1930lm	5mm	12V	1. 9A	23W	5

* The above measurements are based on IP20 which may have a 10% tolerance

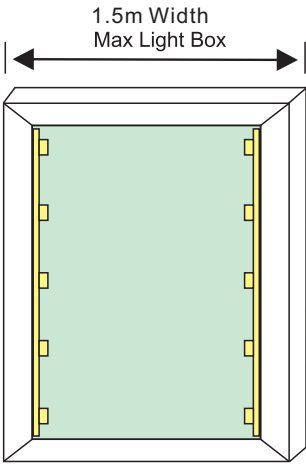


Side view



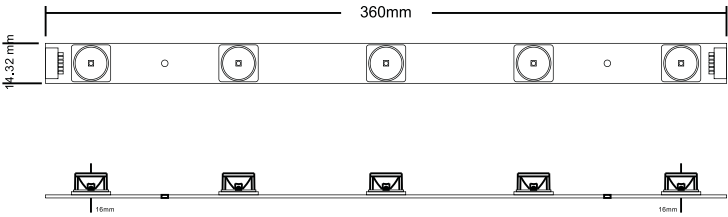
Top view

3535 SIDE-LIT LIGHTING 15x45° RIGID BAR

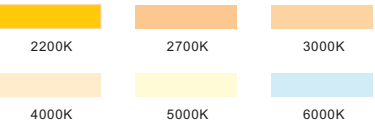


Dimension Drawing

Unit:mm



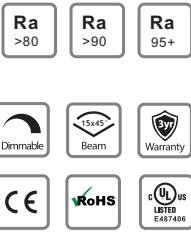
Color Option



IP Grade Option



Ra Option



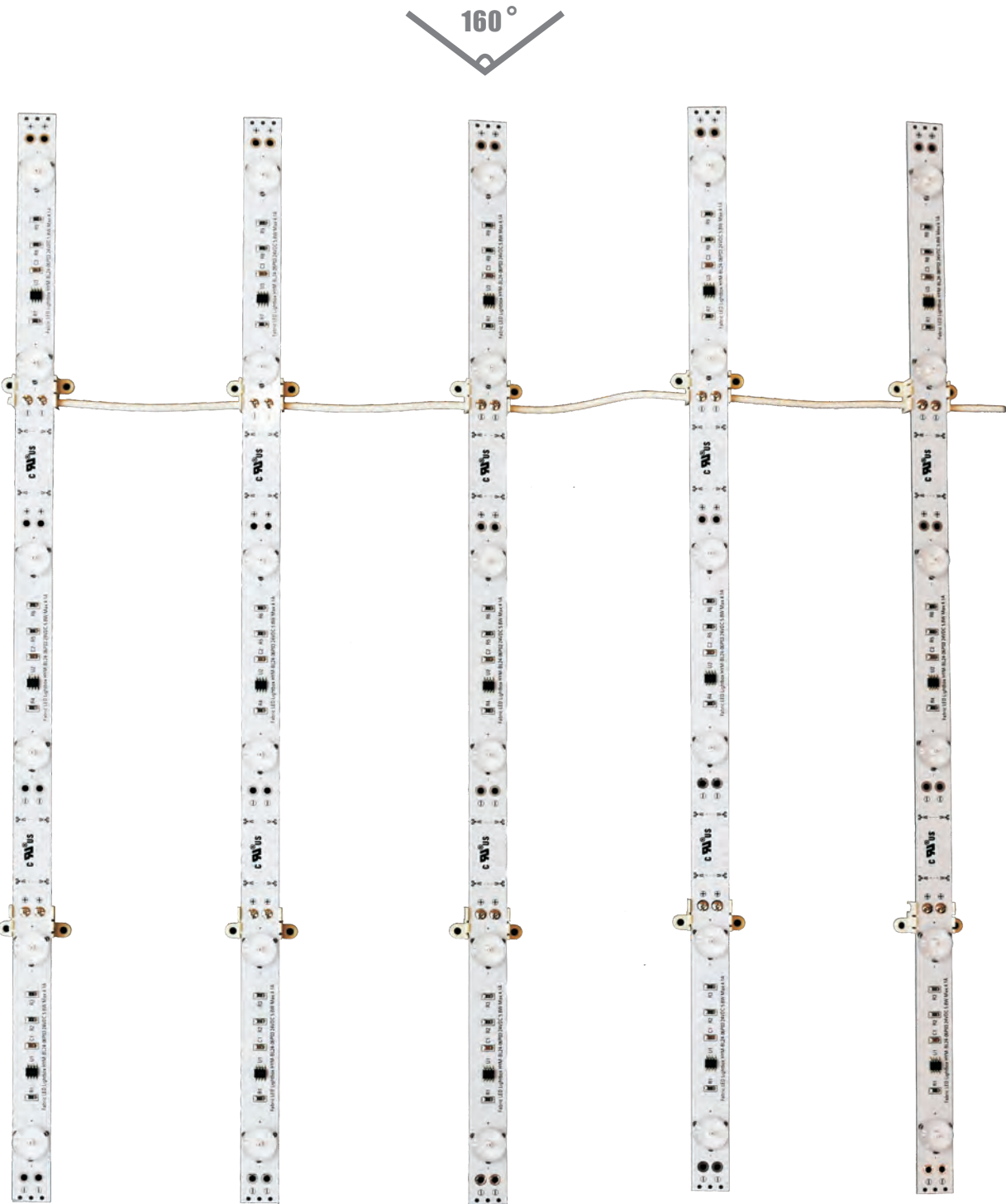
Technical data

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-24RS3535-5-W		6000K	5	SMD 3535	450 lm	15x45°	24V	0.36/0.45	10W	20

* The above measurements are based on IP20 which may have a 10% tolerance



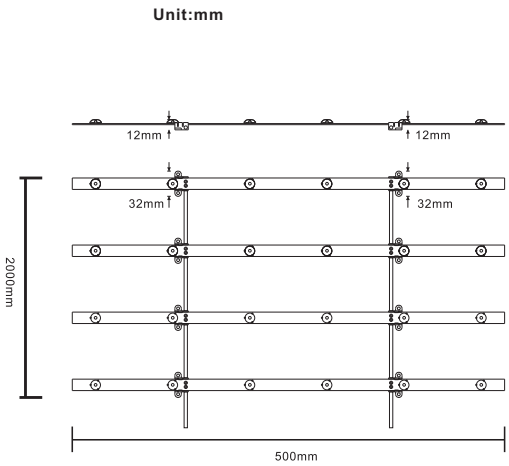
LENS 3030 BACK-LIT LIGHTING
SINGLE COLOR WIDE BEAM 160°



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



IP Grade Option

Color Option

Ra Option

Ra >80, Ra >90, Ra 95+

IP Grade Option

IP65A, IP64B, IP64A, IP68, IP67, IP65B

Color Option

2200K, 2700K, 3000K, 4000K, 5000K, 6000K

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		3K-6K	4	SMD 3030	450lm	160°	24V	0.17A	4W	20
FL-24LC3030-6		3K-6K	6	SMD 3030	700lm	160°	24V	0.25A	6W	20
FL-24LC3030-8		3K-6K	8	SMD 3030	880lm	160°	24V	0.33A	8W	20

* The above measurements are based on IP20 which may have a 10% tolerance

* The above measurements are based on IP20 which may have a 10% tolerance



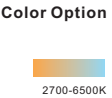
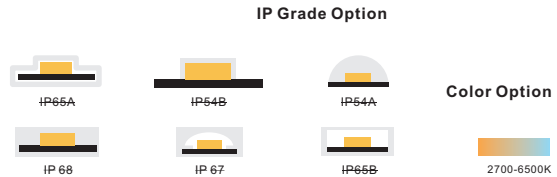
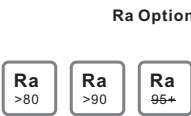
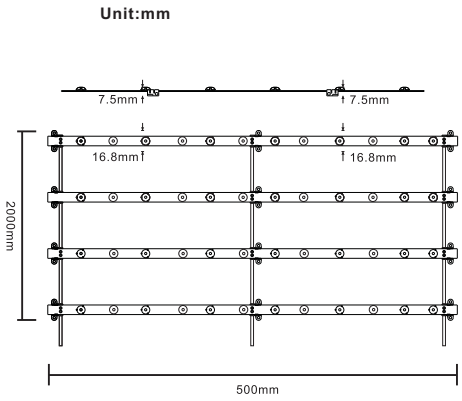
LENS 3030 BACK-LIT LIGHTING
DUAL COLOR WIDE BEAM 160°



Features

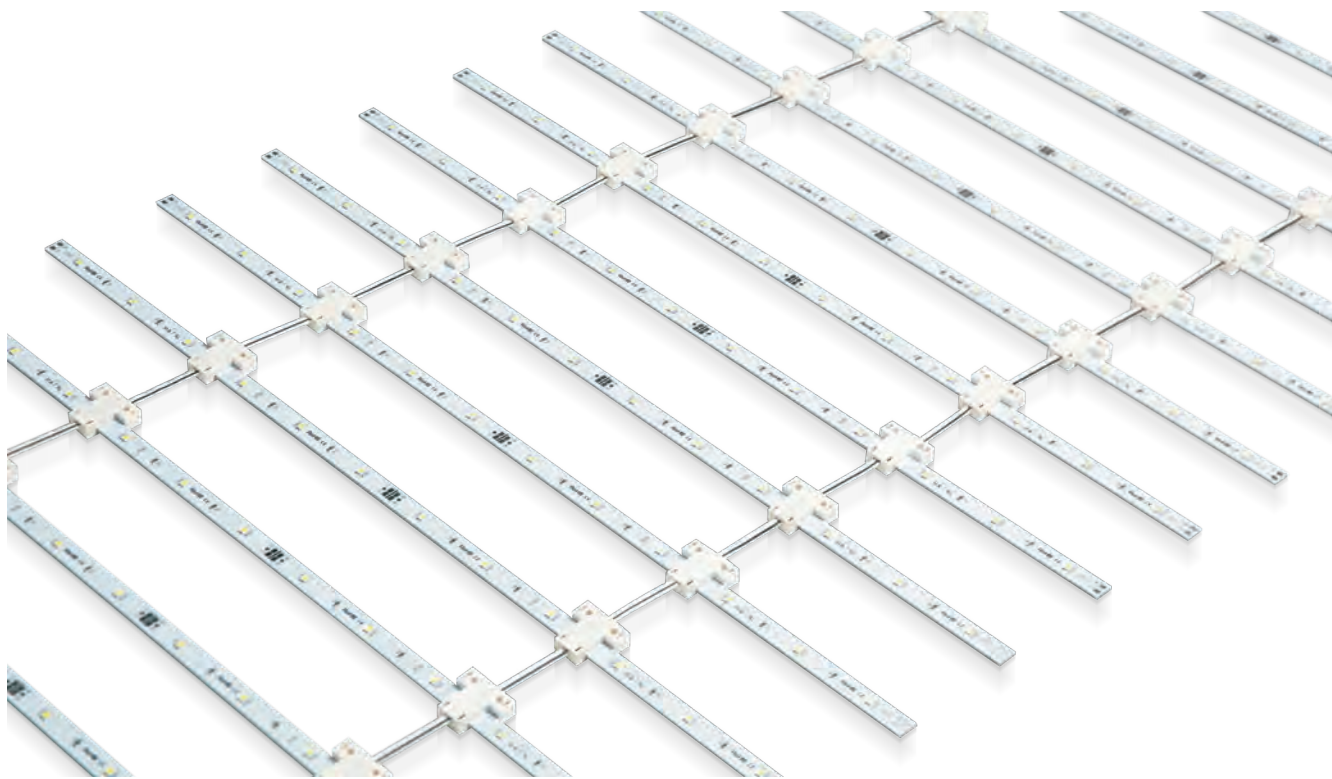
- ◆ Long life 50,000 hours
- ◆ Constant current low voltage 24Vdc
- ◆ Ultra low power consumption
- ◆ High brightness 3030 SMD Seoul, single color or tunable color
- ◆ 160° viewing angle with lens
- ◆ 1.6mm glass fiber PCB for good heat dissipation
- ◆ High-precision resistor without flickering
- ◆ UL 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	800 lm	160°	24V	0.5m	12W	20




2835 BACK-LIT LIGHTING
LED LATTICE SINGLE SIDE & DOUBLE SIDES

Features

- ◆ Long life 50,000 hours
- ◆ Constant voltage 12Vdc
- ◆ Ultra low power consumption
- ◆ 120° viewing angle with lens
- ◆ High brightness 2835 SMD Epistar, single color or tunable color
- ◆ 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



Dimmable



120° Beam




3yr Warranty



CE




RoHS



UL E315628 14AWG

Ra Option



Ra >80



Ra >90



Ra 95+



IP66A



IP64B



IP64A



IP 68



IP 67



IP66B

2200K

2700K

3000K

4000K

5000K

6000K

Color Option




2200K



2700K



3000K



4000K





5000K

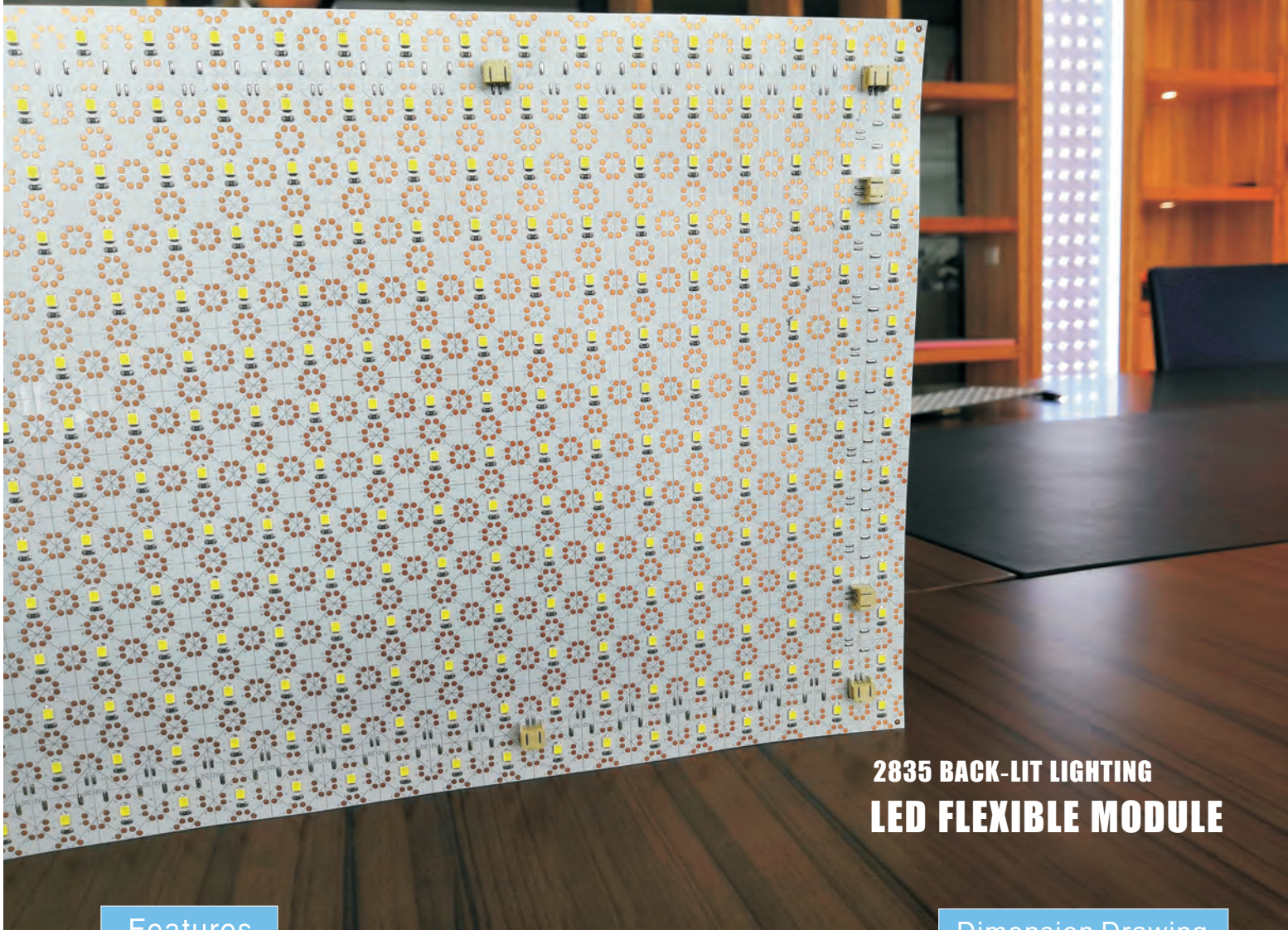


6000K

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		3K/4K/6K	12	SMD 2835	240 lm	120°	12V	0.5m	2.8W	20
FL-12LC2835-24-W-DS		3K/4K/6K	24	SMD 2835	480 lm	120°	12V	0.5m	5.6W	10

* The above measurements are based on IP20 which may have a 10% tolerance



2835 BACK-LIT LIGHTING
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



Dimmable



120° Beam



3yr Warranty



CE



RoHS



UL E315628 14AWG

Ra Option



Ra >80



Ra >90



Ra 95+



IP66A



IP64B



IP64A



IP 68



IP 67



IP66B

2200K

2700K

3000K

4000K

5000K

6000K

Color Option



2200K



2700K



3000K



4000K




5000K



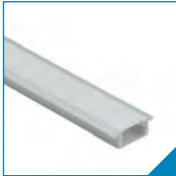
6000K

Technical data

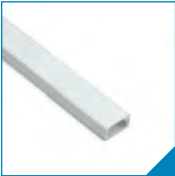
Part Number	Color	CCT (K)	LED Q'ty	LED Type	Light Output (lm)	Beam Angle (°)	Voltage (VDC)	Length (m)	Max.Power Consumption (W/m)	Continuous Connection (Pcs)
FL-12FM2835-420-CCT		3K/4K/6K	420	SMD 2835	1800lm	120°	12V	0.5x0.24m	25. 2W	15

* The above measurements are based on IP20 which may have a 10% tolerance

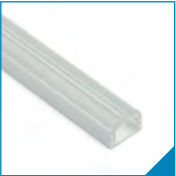
PROFILES FOR LED STRIPS



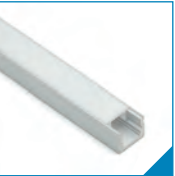
FL-P001
For 12mm PCB




FL-P002
For 12mm PCB



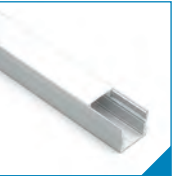
FL-P002L
For 12mm PCB




FL-P002S
For 12mm PCB



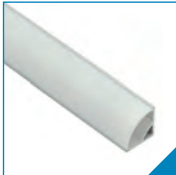
FL-P003
For 12mm PCB



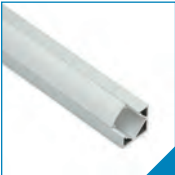
FL-P004
For 12mm PCB




FL-P005
For 10mm PCB



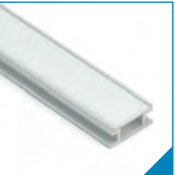
FL-P006
For 12mm PCB



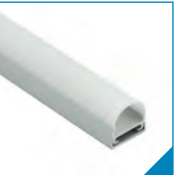
FL-P007
For 10mm PCB




FL-P008
For 12mm PCB




FL-P009
For 10mm PCB



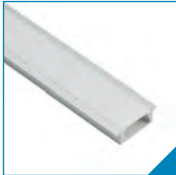
FL-P010
For 16mm PCB



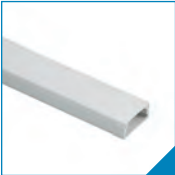
FL-P011
For 16mm PCB




FL-P012
For 16mm PCB




FL-P013
For 20mm PCB



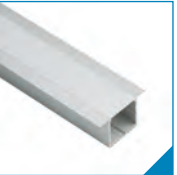
FL-P014
For 20mm PCB



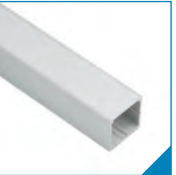
FL-P015
For 20mm PCB



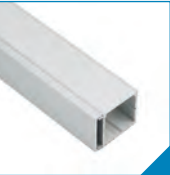
FL-P016
For 20mm PCB



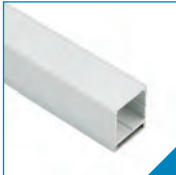
FL-P017
For 32mm PCB



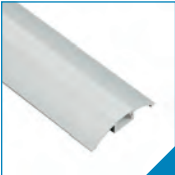
FL-P018
For 32mm PCB



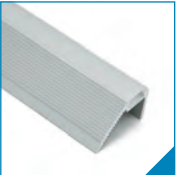
FL-P019
For 32mm PCB



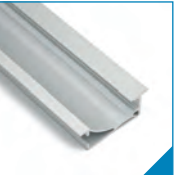
FL-P020
For 32mm PCB



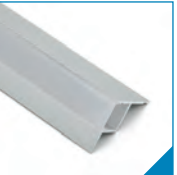
FL-P021
For 12mm PCB




FL-P022
For 12mm PCB




FL-P023
For 12mm PCB




FL-P024
For 20mm PCB



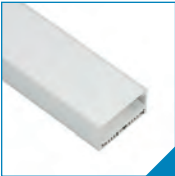
FL-P025
For 20mm PCB



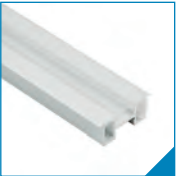
FL-P026
For 20mm PCB



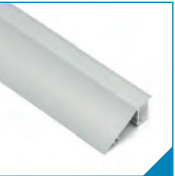
FL-P027
For 12mm PCB



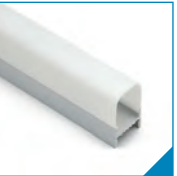
FL-P028
For 36mm PCB



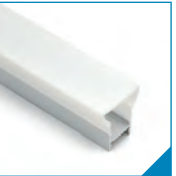
FL-P029
For 12mm PCB



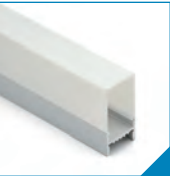
FL-P030
For 12mm PCB



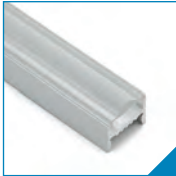
FL-P031
For 16mm PCB



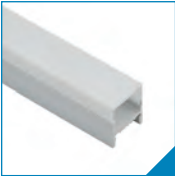
FL-P032
For 16mm PCB



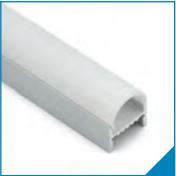
FL-P033
For 16mm PCB



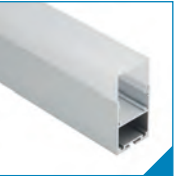
FL-P034
For 16mm PCB



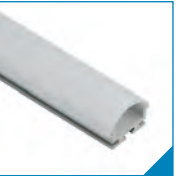
FL-P035
For 16mm PCB



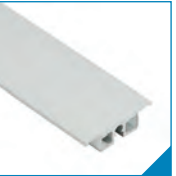
FL-P036
For 16mm PCB



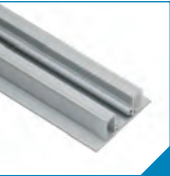
FL-P038
For 26mm PCB



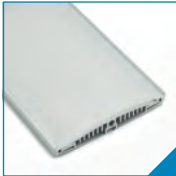
FL-P039
For 12mm PCB




FL-P040
For 6mm PCB



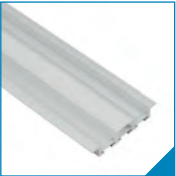
FL-P040L
For 14mm PCB



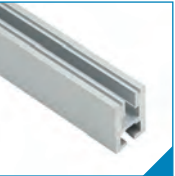
FL-P041
For 128mm PCB



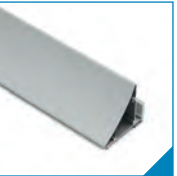
FL-P042
For 12mm PCB



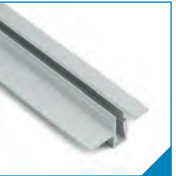
FL-P043
For 12mm PCB



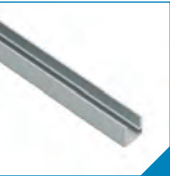
FL-P044
-



FL-P044A
-




FL-P044B
-




FL-P044C
-

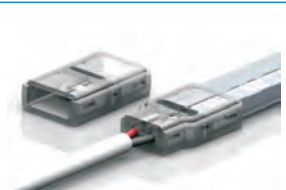
CONNECTORS




FL-SE/DJ
Suitable for 5mm/8mm/10mm/12mm Single color
Suitable for Dual color/RGB/RGBW/RGBWW
Suitable for IP20/IP54/IP65, < / = 120 LEDs/m



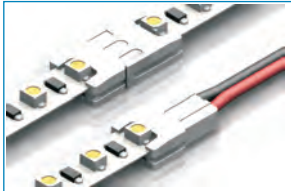
FL-BC
Suitable for 8mm/10mm Single color
Suitable for 2 pin only
Suitable for solid tube, < / = 120 LEDs/m




FL-FS
Suitable for 8mm/10mm/12mm Single color
Suitable for RGB
Suitable for Hollow Tube, < / = 120 LEDs/m




FL-SD
Suitable for 10mm/12mm Single color
Suitable for RGB
Suitable for solid tube, < / = 120 LEDs/m




FL-SL
Suitable for 8mm/10mm Single color
Suitable for Dual color/RGB
Suitable for IP20, < / = 120 LEDs/m




FL-DJ
Suitable for 8mm/10mm/12mm Single color
Suitable for RGB/RGBW
Suitable for IP54/IP65, < / = 60/90 LEDs/m




FL-SR
Suitable for 8mm/10mm/12mm Single color
Suitable for Dual color/RGB/RGBW/RGBWW
Suitable for Hollow Tube, < / = 60/90/120 LEDs/m




FL-KZ
Suitable for 8mm/10mm/12mm IP20
Suitable for 8mm/10mm IP54/IP65
Suitable for 10mm/12mm tube waterproof




FL-FPC
Suitable for 8mm/10mm Single color
Suitable for 10mm RGB
Suitable for IP20



FL-XC
Suitable for 22/20/18 AWG
Suitable for I / T shape
Suitable for one/two pin

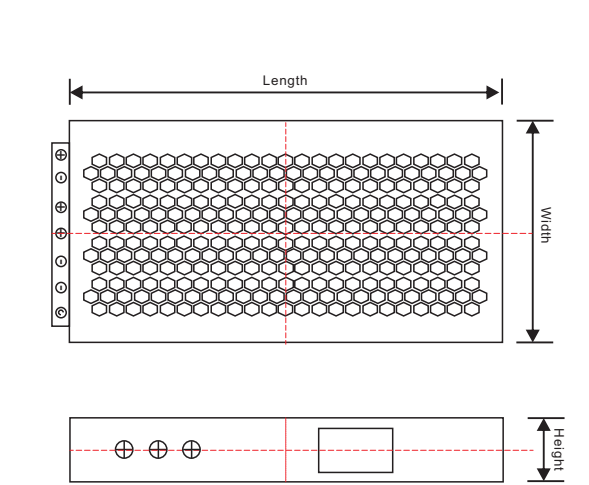


FL-SR
Suitable for 1 lead 2/3/4 way
Suitable for 12V-36V
Suitable for 22/20/18 AWG



FL-WG
Suitable for 1/2/3/4 lead
Suitable for 12V-36V, 110-240V
Suitable for 22/20/28 AWG; 0.5/0.75/1 m²

NON WATERPROOF POWER SUPPLY

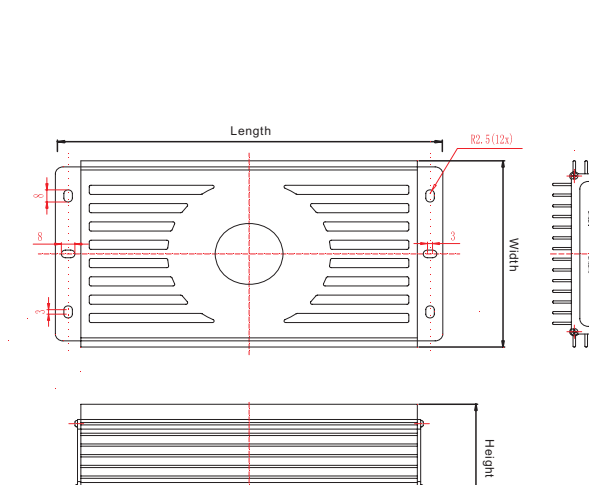


TECHNICAL DATA

Model	Color	Power (W)	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Power Efficiency (PF)	Typical Efficiency	Temperature (°C)	Certificates	Warranty (y)
FL-12030G	/	30W	220-240V	12V/24V	2.5A/1.25A	>0.9	85%	-40~50	CE RoHS	3
FL-12060G	/	60W	220-240V	12V/24V	5A/2.5A	>0.9	85%	-40~50	CE RoHS	3
FL-12100G	/	100W	220-240V	12V/24V	8.3A/5A	>0.9	88%	-40~50	CE RoHS	3
FL-12150G	/	150W	220-240V	12V/24V	12.5A/6.25A	>0.9	90%	-40~50	CE RoHS	3

* The above measurements are based on IP65 which may have a 10% tolerance

WATERPROOF POWER SUPPLY



TECHNICAL DATA

Model	Color	Power (W)	Input Voltage (V)	Output Voltage (V)	Output Current (A)	Power Efficiency (PF)	Typical Efficiency	Temperature (°C)	Certificates	Warranty (y)
FL-12030Q	/	30W	220-240V	12V/24V	2.5A/1.25A	>0.9	85%	-40~50	CE RoHS	3
FL-12060Q	/	60W	220-240V	12V/24V	5A/2.5A	>0.9	85%	-40~50	CE RoHS	3
FL-12100Q	/	100W	220-240V	12V/24V	8.3A/5A	>0.9	88%	-40~50	CE RoHS	3
FL-12150Q	/	150W	220-240V	12V/24V	12.5A/6.25A	>0.9	90%	-40~50	CE RoHS	3

* The above measurements are based on IP65 which may have a 10% tolerance

SMART
LED STRIP
CONTROLLERS








Model No.: LS1
4 IN 1 Smart LED Controller

Model No.	Input Voltage	Output	Working Temperature	Control Distance	Size
LS1	DC12V-24V	Max. 6A/Channel Total output Max.15A	-20-60°C	30m	138*22.5*35mm

Features

2.4GHz RF remote controllable, WiFi enabled smart phone control. Dimmable & color temperature adjustable color changing & saturation control. With the function of automatic signal transmitting, one can send signal to another, which makes the distance limitless.

-  **99-Zone**
One remote can control many track lights at the same time or individually, totally up to 99-zone, up to 9999 lights.
-  **Optional: RGBW / Dual White / Single White**
Dimmable & Color temperature Adjustable, Color Changing & Saturation Control.
-  **Auto-transmitting function**
One can send signal to another, which makes the distance limitless.

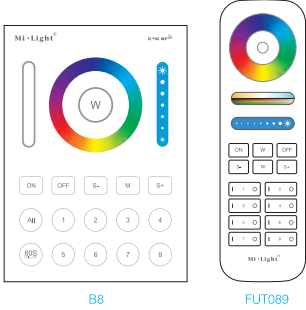
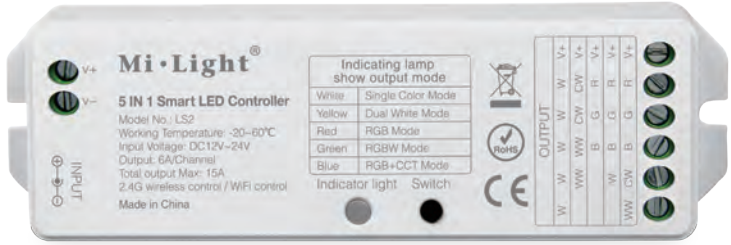
-  **2.4GHz RF Transmission Tech**
Low power consumption, long distance control, anti-interference, and high communication speed.
-  **Smart phone App control**
Mi-Light WiFi iBox is needed



Remote Controller
Model No.: FUT090







APP control
WiFi iBox is needed

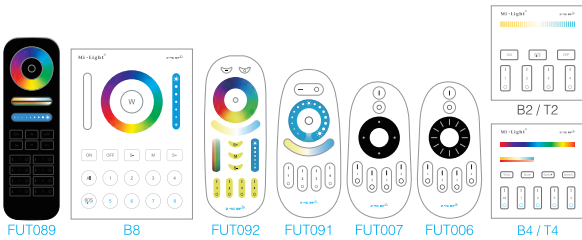
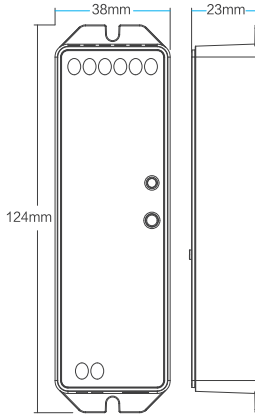


Model No.: LS2
5 IN 1 Smart LED Controller

Model No.	Input Voltage	Output	Working Temperature	Control Distance	Size
LS2	DC12V~24V	Max. 6A/Channel Total output Max.15A	-20~60°C	30m	124*38*23mm

5 in 1 (RGB+CCT / RGBW / Dual White / Single White), controlled by wireless remote controller, also with smart phone control and 4G long distance control (need WiFi box). Dimmable & Color temperature Adjustable, Color Changing & Saturation Control. The controller has auto-transmitting and auto-synchronizing function





-  **2.4GHz RF Transmission Tech**
Low power consumption, long distance control, anti-interference, and high communication speed.
-  **Optional: RGB+CCT / RGBW / Dual White / Single White**
Dimmable & Color temperature Adjustable, Color Changing & Saturation Control.
-  **Smart phone App control**
Mi-Light WiFi iBox is needed
-  **Auto-transmitting function**
One can send signal to another, which makes the distance limitless.



Model No.: LS3
Dual White Panel Light Control System

Model No.	Input Voltage	Output Voltage	Output Current	Working Temperature	Control Distance	Size
LS3	DC42V~45V	DC30V~40V	900mA	-20~60°C	30m	124*38*23mm

The controller has auto-transmitting function and with CCT and Brightness output mode. Controlled by wireless 2.4GHz RF remote controller, also with smart phone control and 4G long distance control (need WiFi box).

-  **2.4GHz RF Transmission Tech**
Low power consumption, long distance control, anti-interference, and high communication speed.
-  **Optional: Dual White / Single White**
Dimmable & Color temperature adjustable
-  **Smart phone App control**
Mi-Light WiFi iBox is needed
-  **Auto-transmitting function**
One can send signal to another, which makes the distance limitless.

