



**Shenzhen LEDWorker Lighting Co.,Ltd**

## **LED Strips**

provide professional led lighting  
products and services



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# COMPANY

## INTRODUCTION >>>

Shenzhen ledworker lighting Co , LTD was founded in 2012 , located in International metropolis Shenzhen . Stand in the LED lighting business, “customer-centered” , concerned about the needs of people themselves, providing people with comfortable , safe and energy-saving light environment.

Our major products including : addressable led strip , high CRI led strip ,standard led strip , Neon led strip,COB led strip,OEM and ODM led strip . After 9 years speed growing ,we earn high reputation in the international market , suchas USA , Australia Germany , France , Lithuania , Argentina . Our customersworked with world famous brand like : Ford , best buy express , big grocery chains.

We keep moving enlarge our business , last year move to a new factory whichhave dust-free workshop , automatic SMT machine , reflow machine , dipped glue room , aging , testing workshop Production capacity more than 100 , 000 meters per month . Our R D department keep develop new products for customers new design and at least 3 years experienced sales help easy communicate with customer .

Any request relative to LED strip , please come and talk with us . You will find do business is so easy and happy thing . We ledworker waiting for you!

[www.rolllights.com](http://www.rolllights.com)



### PROFESSIONAL PRODUCTION WORKSHOP



### TEAM & FACTORY

It is the Modern Technology and Manufacturing Capability to Handle Bulk Orders of Standard Led Strips and Other Various Forms of OEM & ODM Processing Strips.

## © OUR EXHIBITION ©

Our Products Have Been Exported to More Than 100 Countries, Ensuring a Solid Market Segment That Fosters New and Return Client Relationships.







## Grateful

The good starting of a person's mind. Start with be grateful, a person will know how to cherish. to enjoy the life, to appreciate. to find the entrance of happiness.

## Responsibility

A kind of ability, and far better than ability. Responsibility is a spirit, more a personality; Maybe you don't love the job, but without complaint to undertake, and seriously do better, which is the responsibility.

## Aggressive

Strive to make progress; determined to make a difference.  
Tang Li Xian uses the poem " Send rocks to Huan in the autumn and return to Beijing ": "Although the road is dangerous and difficult to make progress. what happens to meet the Qing Dynasty?" Nixon's quote: always to do your best, never to be discouraged, never to look down on yourself.

## Win-win

The so-called " incomplete winner and loser incomplete lose"  
Some stressed that "harmony is higher than all", some advocated "competition to survive". But practice has proved that the unity of harmony and competition is the highest level of business.





## OUR MARKETING

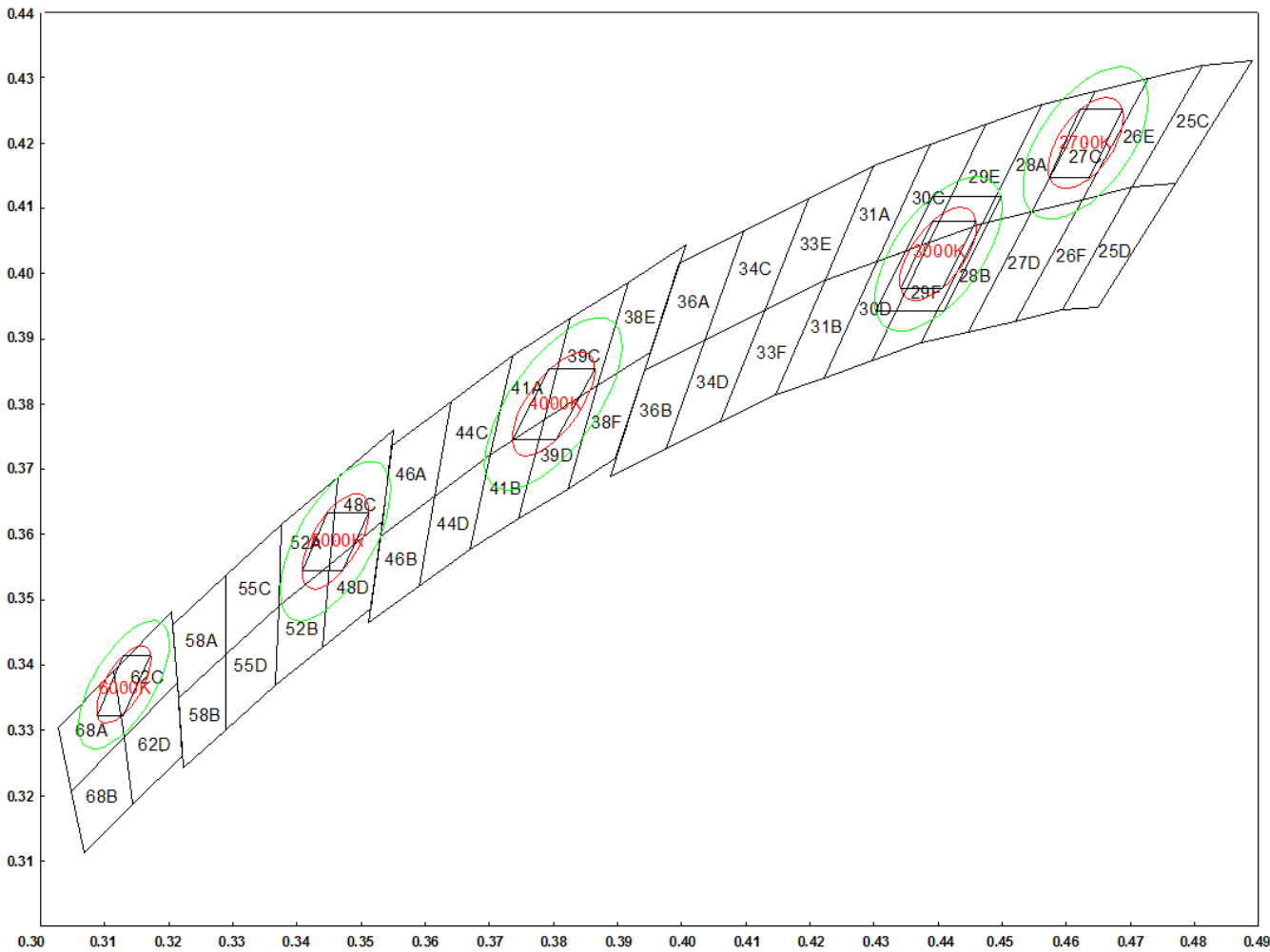




# ERP INSTRUCTION

Domestic LED lighting standard refers to IEC Erp instruction:

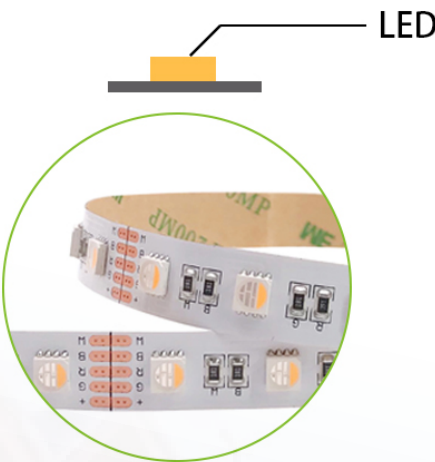
- ◆ EU Erp directive (1194/2012). the LED lighting performance requires color tolerance  $\leq 6\text{SDCM}$ ;
- ◆ National Standard GBT24823-2009 ordinary LED lighting module performance requires color tolerance  $\leq 7\text{SDCM}$ ;
- ◆ LEDWorker lighting requires color tolerance  $<5\text{SDCM}$



Standard Point	X	Y
6000K	0.313	0.337
5000K	0.346	0.359
4000K	0.38	0.38
3000K	0.409	0.394
2700K	0.463	0.425

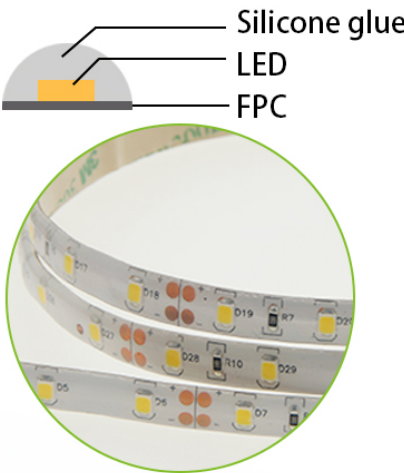
# WATERPROOF GRADE

IP20 PCB Bare board



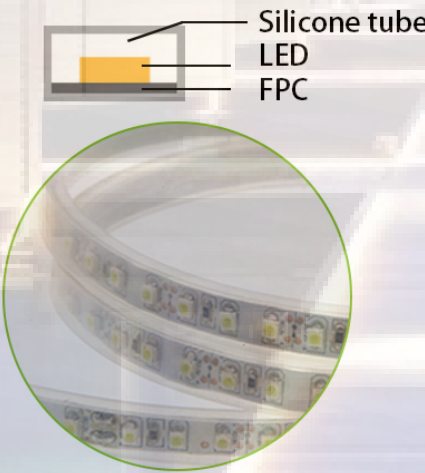
Applicable to Dry Environment

IP65 Gel Coating



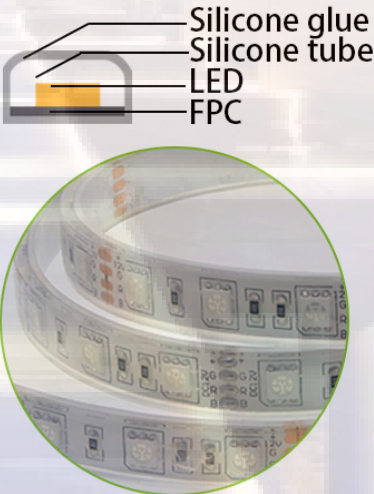
Applicable to wet Environment

IP67 Silicone Tube



Applicable to Water Environment

IP68 Glue Filling



Applicable to Flooded Environment





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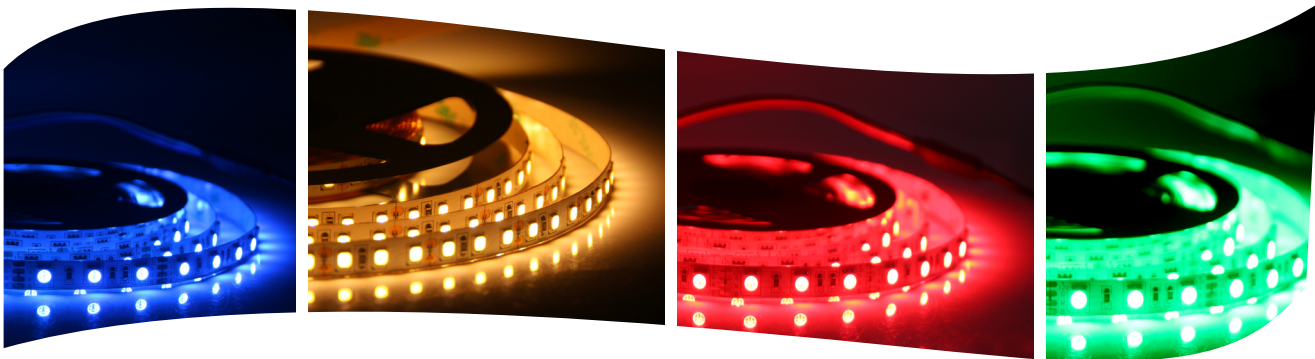
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# Certifications



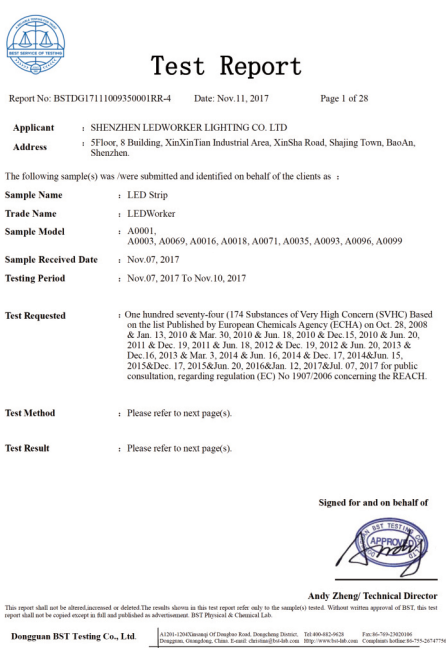
LED STRIP CE-LVD



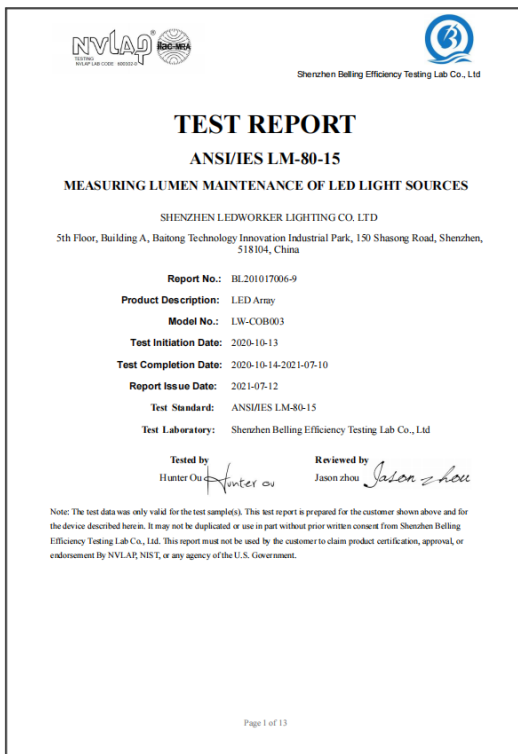
LED STRIP CE-EMC



LED STRIP ROHS



REACH174





# COB LED Strip Light

The Full Name of the COB Led Strip is: Chip on Board, Which is Method of Directly Binding the Led Chips to the Pcb Board. The Ordinary Light Strip is Made of Chip on the Support, and Made Into SMD. Then Put the Smd on the PCB. This Saves a Lot of Space on PCB and Cost. Because It Saves Space, More LED Can Be Added. Generally, The 2835 Strip Light Can Hold a Maximum of 120 SMD Per Meter, and the COB Can Hold 640 Chips or More. And Because the Cost of Mounting the Chip on the Support is Saved, the Price of the COB Led Strip is Much Cheaper Than the Same Number of Led Strips.

## COB LED Strip advantages and disadvantages:

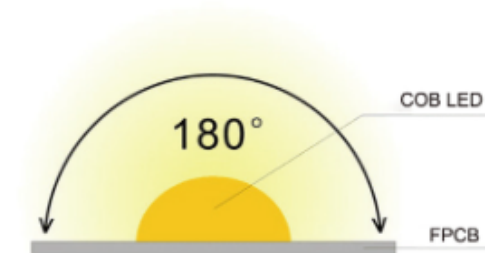
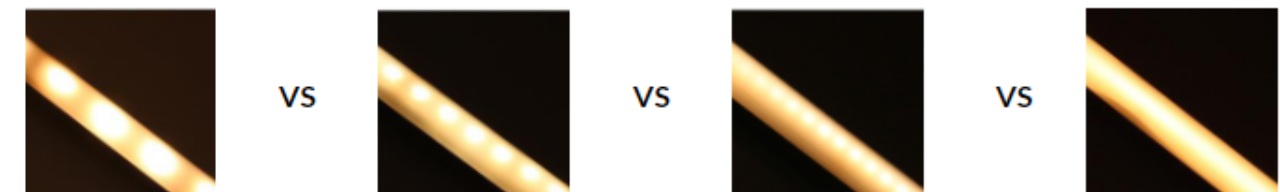
### Advantages :

- The light-emitting chip adopts flip-chip technology, which has a cost advantage with the same number of lamp beads.
- Shorter heat dissipation path and lower thermal resistance, less light decay.

The luminescent colloid is formed continuously and uninterruptedly, with no light spots and soft light.

The following is a comparison of different kinds of led strip placed in the aluminum bar. When the led strips is placed in the aluminum tank, you will see the dots of the LEDs. Obviously 2835 5050 and even 2110 will have this problem, but when we use COB there is light so smoothly. only COB LED STRIP is a DOT FREE product.

Please see the comparison of several different sizes of light bars below:



- No silver plating, no vulcanization risk
- Lighting angle can reach 180 degrees

- Low power

Because the chips of the COB LED STRIP are too dense, it will affect the heat dissipation, so the power cannot be made too large, at most 14W per meter, and the SMD lamp beads of the SMD led strip have brackets, which can dissipate heat and can achieve 18W.

- Low luminous efficiency.

At present, the highest luminous efficiency of COB LED STRIP is: 120LM/W. SMD has a high-power lamp bead that can achieve 160-170LM/W. If the power requirement exceeds 120LM, you still need to choose a high-brightness SMD led strip.

- Flip chip, the defect rate is higher than that of SMD led stripwhen making waterproof led strip.

Because the COB LED STRIP chip is directly packaged on the PCB board, the size of the chip is very small, and repeated tearing can easily cause the chip to detach from the PCB board, resulting in dead lights.

# COB STRIP LIGHT



Economy type



IP Rating

non-waterproof

silicon tube

waterproof(extrusion type)

DC 12V

DC 24V

CE

LM-80

180°

3 Years

Dimmable

RoHS

TUV

Beam angle 180°

Color

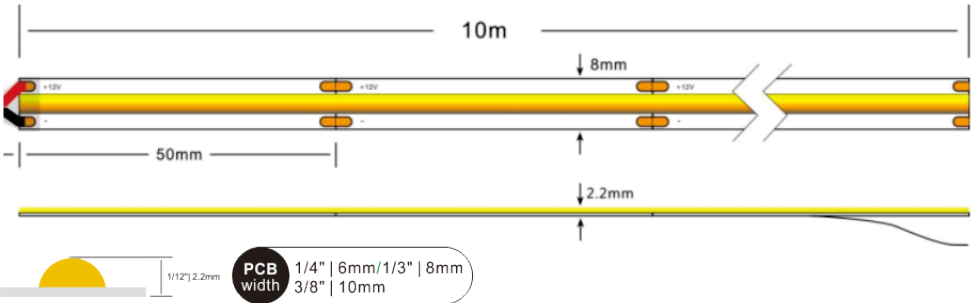
2700K

3000K

4000K

6000K

## Dimensions

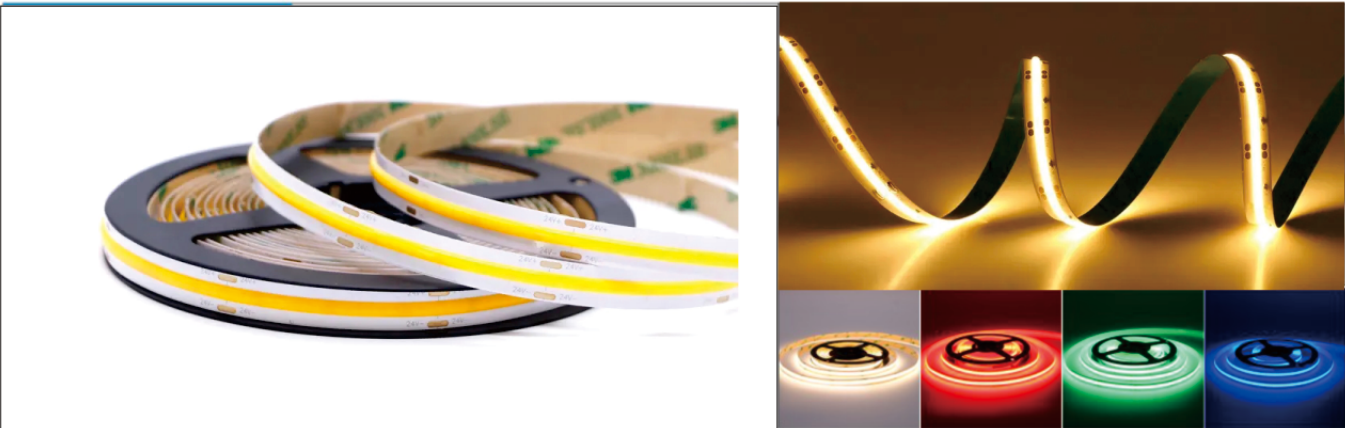


## Parameters

Part NO:	LW-COB010-E	LW-COB013-E
LED Qty. / M	320pcs per meter	480pcs per meter
Voltage(V)	DC12V / DC24V	DC12V / DC24V
Power/M	10W-12W	10W-12W
PCB width	8mm White	8mm White
CRI	RA>90	RA>90
LM/W	100LM/W	80-100LM/W
Color	3000/4000/6000K	3000/4000
Beam angle	180 degree	180 degree
IP Rate	IP20	IP20
Packing	5M / Roll	5M / Roll

Remarks:CCT,PCB width and LED QTY can be customized.

# Single Color COB LED Strip



IP Rating

non-waterproof

silicon tube

waterproof(extrusion type)

DC 12V

DC 24V

CE

LM-80

180°

3 Yesrs

Dimmable

RoHS

TUV

Beam angle 180°

Color

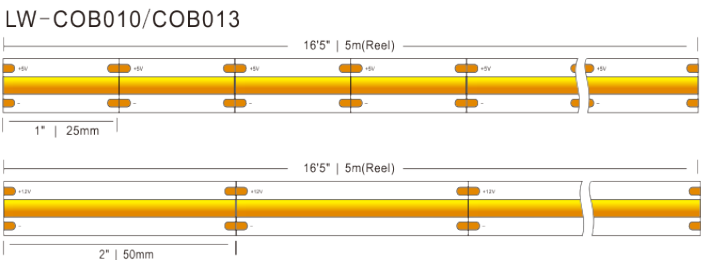
2700K

3000K

4000K

6000K

## Dimensions



## Parameters

Part NO:	LW-COB010	LW-COB013
LED Qty/M:	320pcs per meter	480pcs per meter
Voltage(V):	DC12V/DC24V	DC12V/DC24V
Power/M	8mm	6mm
	DC12V=8W DC24V=10W	DC12V=6W DC24V=8W
	10mm	8mm
	DC12V=10W DC24V=14W	DC12V=8W DC24V=10W
	10mm	DC12V=10W DC24V=14W
PCB Width:	8mm 10mm	6mm 8mm 10mm
CRI:	90	90
LM/W	100LM / W	100LM / W
Color:	2700/3000/4000/6000K	2700/3000/4000/6000K
Beam angle:	180 degree	180 degree
IP Rate:	IP20	IP20
Packing:	5M/Roll	5M/Roll
Min Run:	24V=50mm 12V=25mm	24V=50mm 12V=25mm

Remarks:CCT,PCB width and LED QTY can be customized.



# Dual Color COB LED Strip Lights



IP Rating

non-waterproof

silicon tube

waterproof(extrusion type)

Beam angle 180°

2700K

6500K

1800K

6500K

DC 12V

DC 24V

CE

LM-80

180°

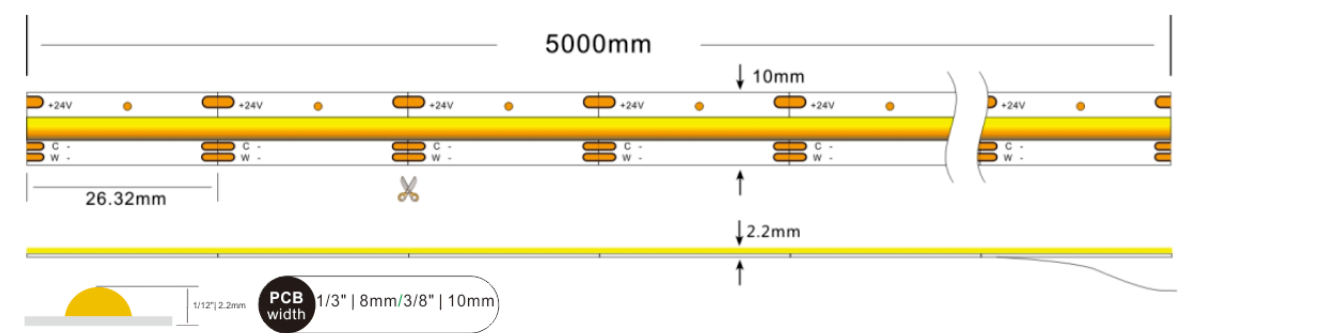
3 Yrsrs

Dimmable

RoHS

TUV

## Dimensions



## Parameters

Part NO:	LW-COB006	2700K	6500K
LED Qty/M:	608pcs per meter	304pcs per meter	304pcs per meter
Voltage:	DC12V/DC24V	DC12V/DC24V	DC12V/DC24V
Power/M:	Single Color 8W Mix Color 16W	8W	8W
PCB Width:	10mm	10mm	10mm
CRI :	90	90	90
LM/W:	105~125LM/W	100~120LM/W	115~135LM/W
Color:	2700-6500K	2700K	6500K
Beam angle:	180 degree	180 degree	180 degree
Packing:	5M/Roll	5M/Roll	5M/Roll
Min Run:	12V( 26.31mm) 24V( 26.31mm)	12V( 26.31mm) 24V( 26.31mm)	12V( 26.31mm) 24V( 26.31mm)
Dimension IP20:	5000 x 10 x 2.2mm	5000 x 10 x 2.2mm	5000 x 10 x 2.2mm
Dimension IP67:	5000 x 12 x 4.9mm	5000 x 12 x 4.9mm	5000 x 12 x 4.9mm

Remarks:CCT,PCB width and LED QTY can be customized.

# COB LED Strip RGB Light



IP Rating

non-waterproof

silicon tube

waterproof(extrusion type)

Beam angle 180°

Red

Green

Blue

DC 12V

DC 24V

CE

LM-80

180°

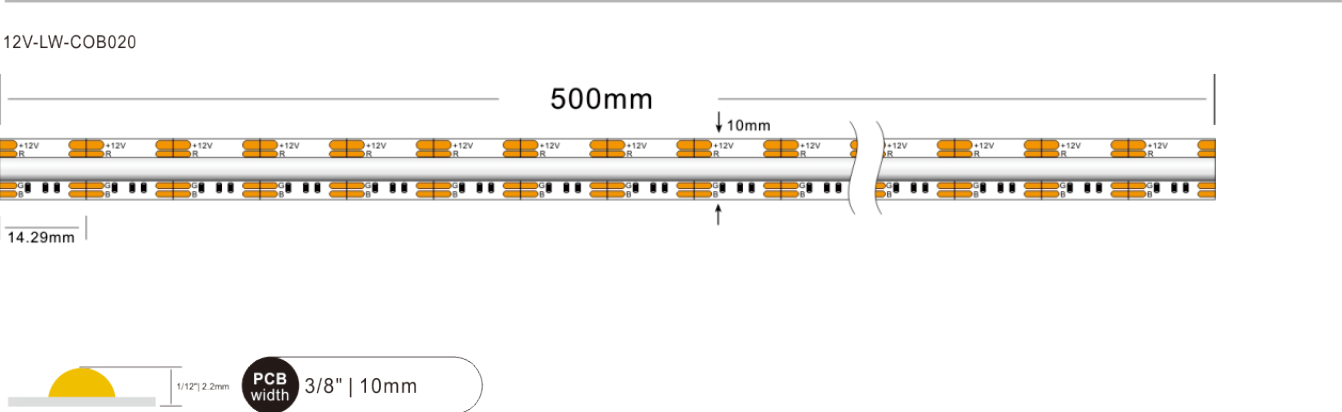
3 Yrsrs

Dimmable

RoHS

TUV

## Dimensions



## Parameters

Part NO:	LW-COB020	LW-COB030	LW-COB040
LED Qty/M:	630pcs per meter	648pcs per meter	864pcs per meter
Voltage:	DC12V / DC24V	DC12V	DC12V
Power/M:	12V ( 16W )    24V ( 18W )	8W	15W
PCB Width:	10mm	10mm	10mm
Color:	RGB 3 in 1	RGB 3 in 1	RGB 3 in 1
IP Grade:	IP20	IP20	IP20
Beam angle:	180 degree	180 degree	180 degree
Packing:	5M/Roll	5M/Roll	5M
Min Run:	DC12V (14.3mm)    DC24V (33.33mm)	27.78mm	41.67mm

Remarks:CCT,PCB width and LED QTY can be customized.

# Addressable Dual Color White COB LED Strip



IP Rating

non-waterproof

silicon tube

waterproof(extrusion type)

Beam angle 180°

Color

2700K

6500K

1800K

6500K

DC 12V

DC 24V

CE

LM-80

180°

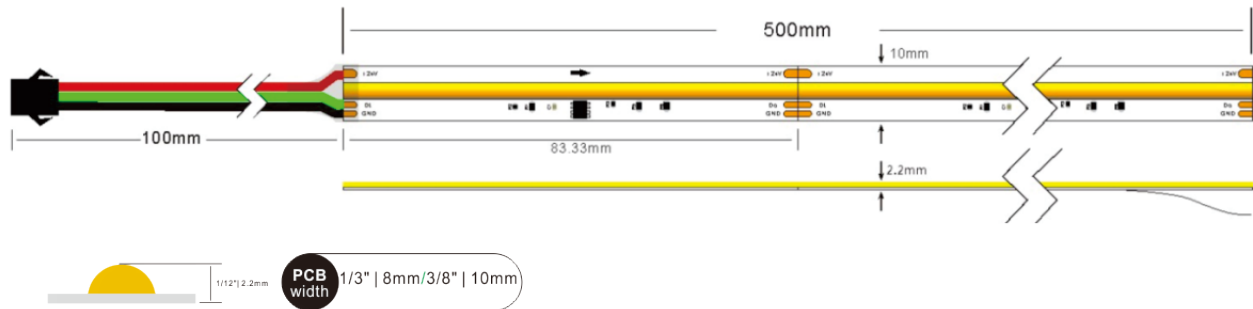
3 Yrsrs

Dimmable

RoHS

TUV

## Dimensions



## Parameters

Part NO:	LW-COB125	2700K	6500K
LED Qty/M:	576pcs per meter	288pcs per meter	288pcs per meter
Input Voltage:	DC12V/DC24V	DC12V/DC24V	DC12V/DC24V
Power/M:	Single Color 8W Mix Color 16W	8W	8W
CRI :	90	90	90
IC QTY:	12V(18 pcs IC) 24V(12 pcs IC)	12V(18 pcs IC) 24V(12 pcs IC)	12V(18 pcs IC) 24V(12 pcs IC)
Color:	Addressable Dual Color White 2700-6500K	2700K	6500K
PCB Width:	White	White	White
IP Grade:	IP20	IP20	IP20
Control Signal:	SPI	SPI	SPI
Beam angle:	180 degree	180 degree	180 degree
Packing:	5M	5M	5M
Min Run:	12V(55.55mm) 24V(83.33mm)	12V(55.55mm) 24V(83.33mm)	12V(55.55mm) 24V(83.33mm)
Dimension IP20:	5000 x 10 x 2.2mm	5000 x 10 x 2.2mm	5000 x 10 x 2.2mm

Remarks:CCT,PCB width and LED QTY can be customized.

# COB RGBW LED Strip Lights



IP Rating

non-waterproof

silicon tube

waterproof(extrusion type)

Beam angle 180°

Color

Red

Green

Blue

White

DC 12V

DC 24V

CE

LM-80

180°

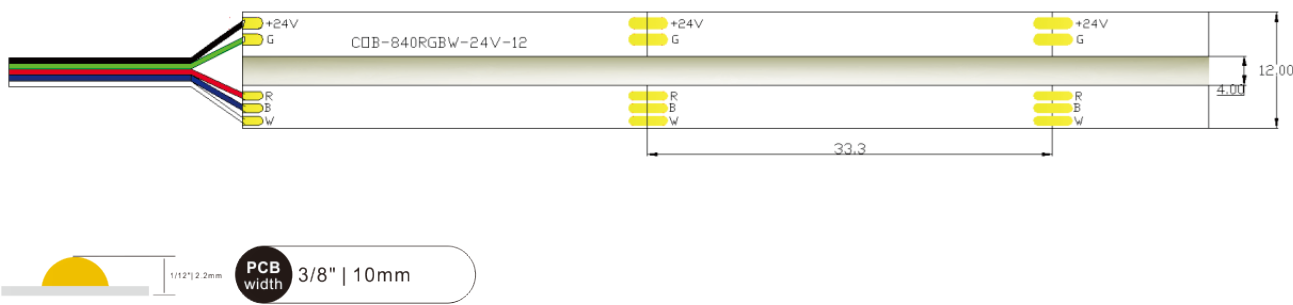
3 Yrsrs

Dimmable

RoHS

TUV

## Dimensions



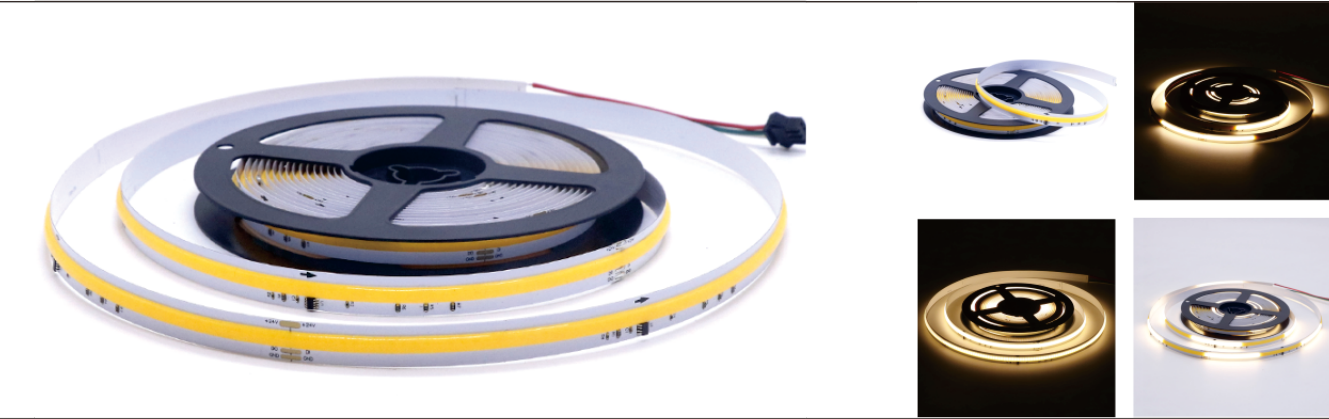
## Parameters

Part NO:	LW-COB014
LED Qty/M:	840pcs per meter
Voltage:	DC24V
Power/M:	16W-18W
Color:	RGB 4 in 1
PCB Width:	12mm
IP Grade:	IP20
Beam angle:	180 degree
Packing:	5M/Roll
Min Run:	100mm

Remarks:CCT,PCB width and LED QTY can be customized.



# Addressable White COB LED Strip



IP Rating



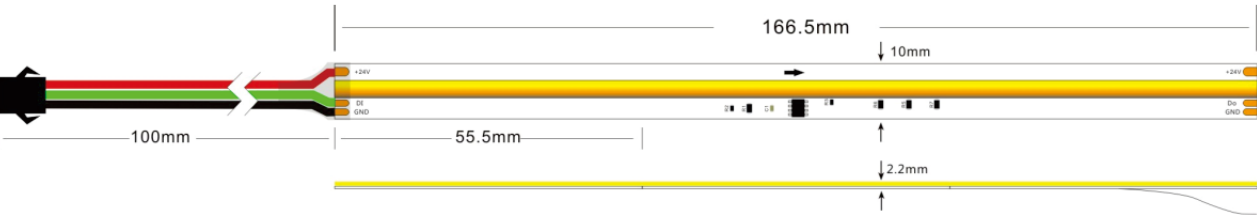
Beam angle 180°



Color



## Dimensions

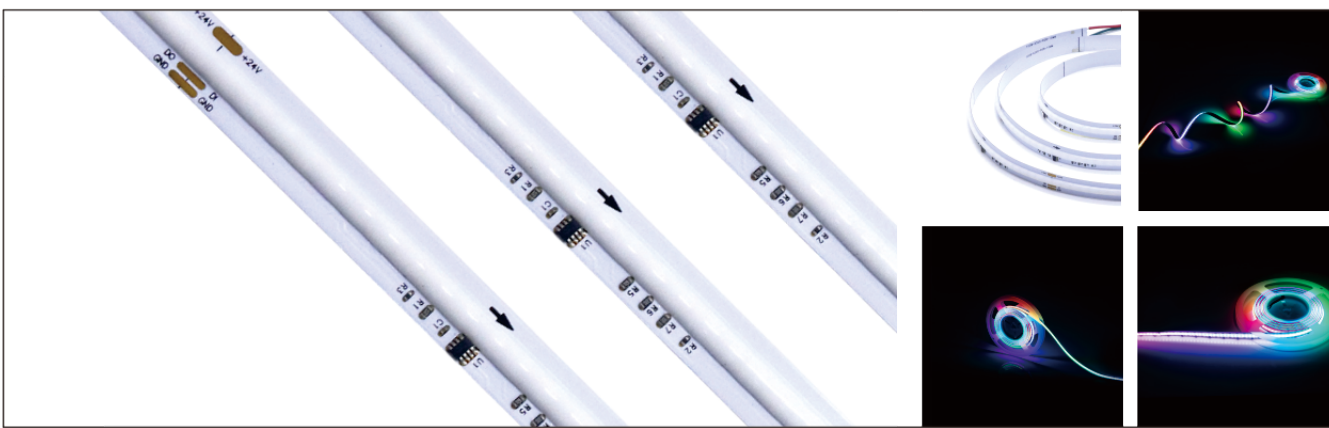


## Parameters

Part NO:	LW-COB124
LED Qty/M:	378pcs per meter
Voltage:	DC12V/DC24V
IC QTY:	12V(14 pcs IC) 24V(6 pcs IC)
Power/M:	12V(8W)/24V(7W)
Color:	Addressable White(3000K/400K/6000K)
PCB Width:	10mm
IP Grade:	IP20
Control signal:	SPI
Beam angle:	180 degree
Packing:	5M/Roll
Min Run:	24V 166.5MM 12V 71.43MM

Remarks:CCT,PCB width and LED QTY can be customized.

# Addressable RGB COB LED Strip



IP Rating



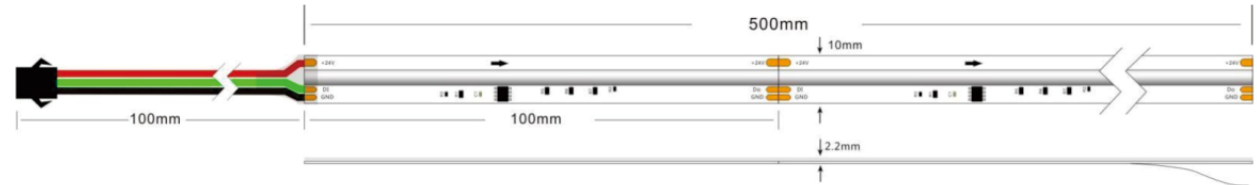
Beam angle 180°



Color



## Dimensions



## Parameters

Part NO:	LW-COB122
LED Qty/M:	630pcs per meter
Voltage:	DC12V/DC24V
IC Qty:	12V(14 pcs IC) 24V(10 pcs IC)
Power/M:	12V(8W) 24V(11.5W)
Color:	Addressable RGB
Control signal:	SPI
PCB Width:	10mm
IP Grade:	IP20
Beam angle:	180 degree
Packing:	5M/Roll
Min Run:	12V ( 71.43mm ) 24V ( 100mm )

Remarks:CCT,PCB width and LED QTY can be customized.

Ultra Thin COB LED Strip Light



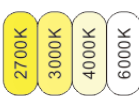
IP Rating



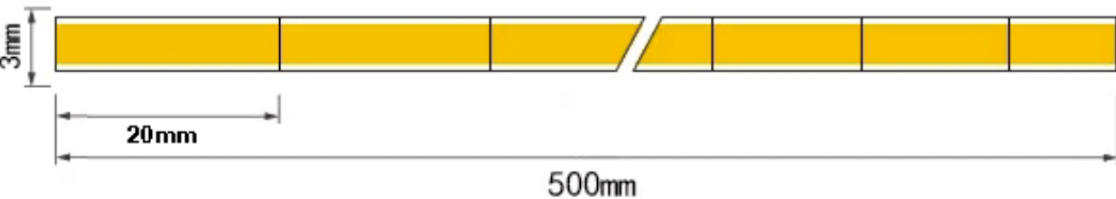
Beam angle 180°



Color



Dimensions

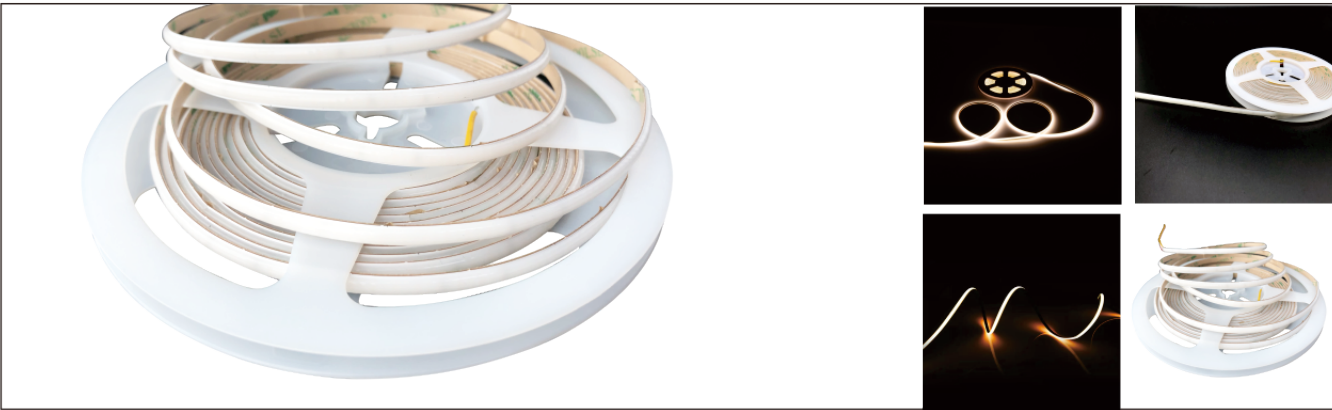


Parameters

Part NO:	LW-COB021
LED Qty/M:	400pcs per meter
Voltage:	DC12V/DC24V
Power/M:	4.8W
PCB Width:	3mm White
LM/W:	90LM/W
IP Grade:	IP20
Color:	3000/4000/6000K
Beam angle:	180 degree
Packing:	5M
Min Run:	12V ( 10mm ) 24V ( 20mm )

Remarks:CCT,PCB width and LED QTY can be customized.

Ultra Thin12 Volt  
COB CCT LED Strip



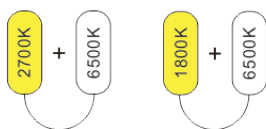
IP Rating



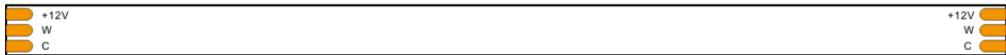
Beam angle 180°



Color



Dimensions



Parameters

Part NO:	LW-COB022
LED Qty/M:	480pcs per meter
Voltage:	DC12V
Power/M:	7.2W
PCB Width :	5mm
CRI :	90
LM/W:	90LM/W
Color:	2700K-6500K
Beam angle:	180 degree
IP Grade:	IP20
Packing:	5M/Roll
Min Run:	10mm

Remarks:CCT,PCB width and LED QTY can be customized.



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specialized led strip manufacturer

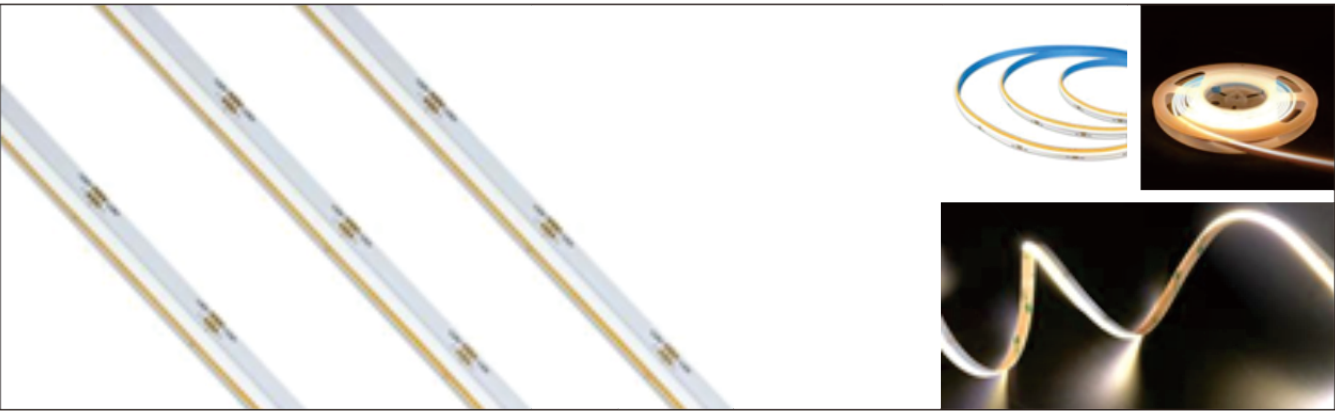
<https://rolllights.com>

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# Side Emitting White COB LED Strip Light



IP Rating

non-waterproof

silicon tube

waterproof(extrusion type)

DC 12V

DC 24V

CE

LM-80

180°

3 Years

Dimmable

RoHS

TUV

Beam angle 180°

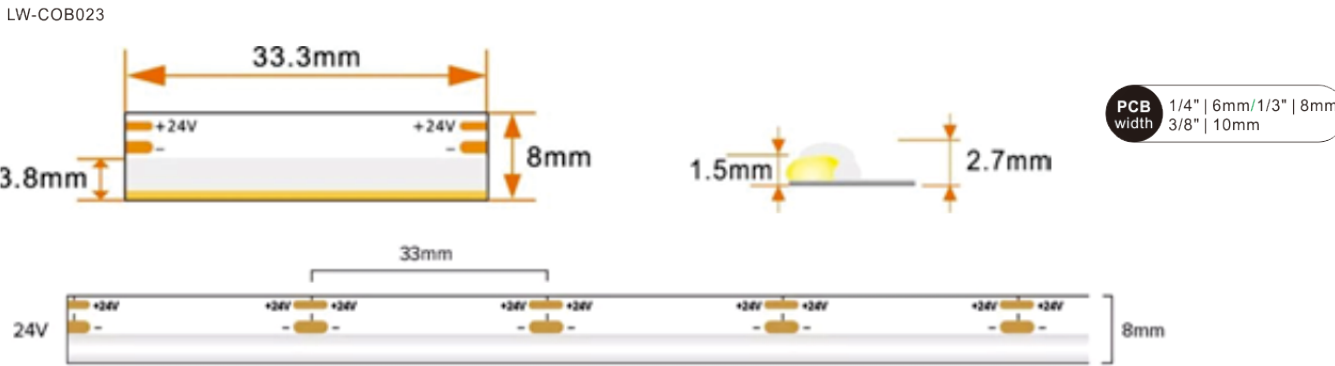
Color

3000K

4000K

6500K

## Dimensions

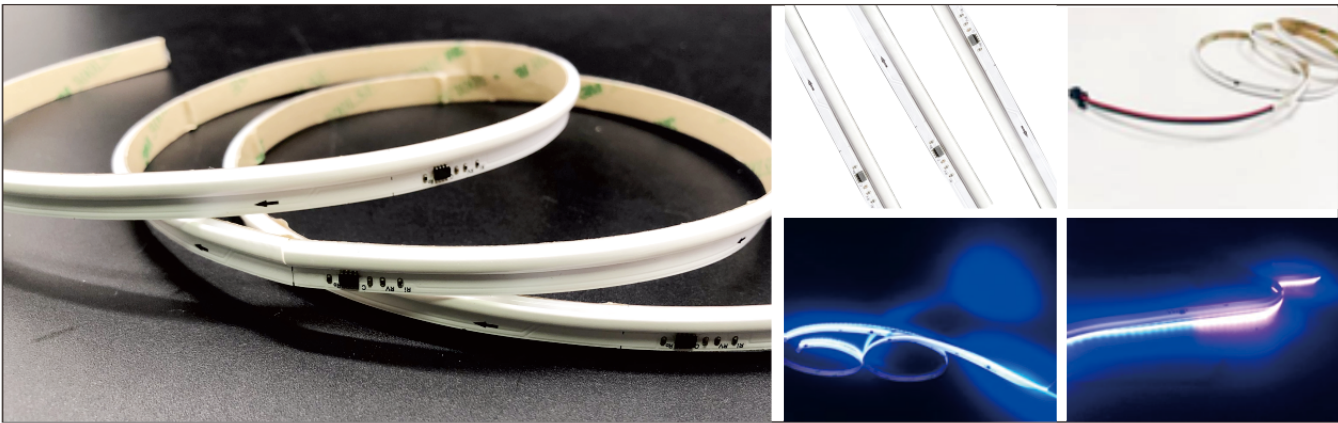


## Parameters

Part NO:	LW-COB023
LED Qty/M:	480pcs per meter
Voltage:	DC24V /12
Power/M:	DC24 /12= 12W
PCB Width :	8mm
CRI :	90
LM/W:	50-80LM / W
LM/M:	600LM-960LM
Color:	3000K/4000K/6500K
Beam angle:	180 degree
IP Grade:	IP20
Packing:	5M/Roll
Min Run:	24V 33.3mm 12V 16.65mm

Remarks:CCT,PCB width and LED QTY can be customized.

# Side Emitting Addressable RGB COB LED Strip



IP Rating

non-waterproof

silicon tube

waterproof(extrusion type)

DC 12V

DC 24V

CE

LM-80

180°

3 Years

Dimmable

RoHS

TUV

Beam angle 180°

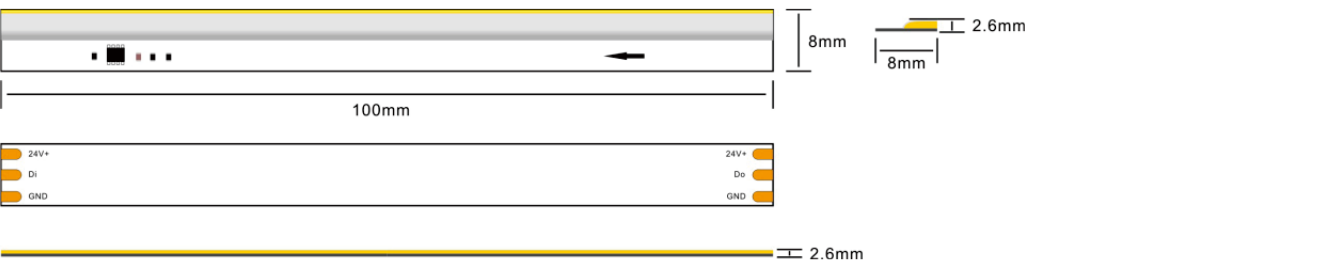
Color

Red

Green

Blue

## Dimensions



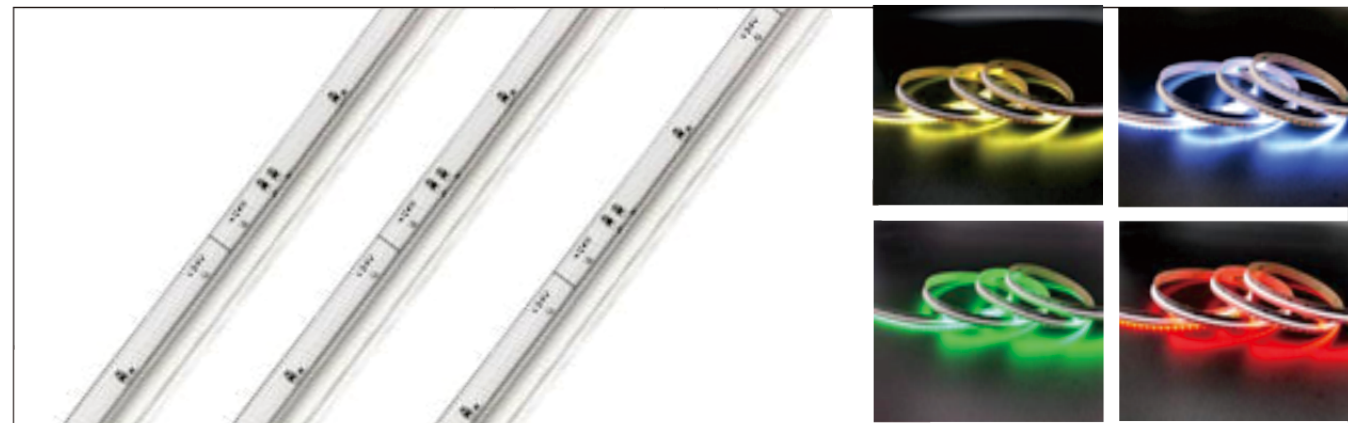
## Parameters

Part NO:	LW-COB024
LED Qty/M:	630pcs per meter
Voltage:	DC24V /12
Power/M:	12W
PCB Width :	8mm
CRI :	-
LM/W:	30LM / W
LM/M:	360LM/M
Color:	Addressable RGB
Beam angle:	180 degree
IP Grade:	IP20
Packing:	5M/Roll
Min Run:	24V 100mm

Remarks:CCT,PCB width and LED QTY can be customized.



# Side Emitting RGB COB LED Strip Light



IP Rating

non-waterproof

silicon tube

waterproof(extrusion type)

Beam angle 180°

Color

Red

Green

Blue

DC 12V

DC 24V

CE

LM-80

180°

3 Years

Dimmable

RoHS

TUV

Dimensions

24V+

24V+

24V+

24V+

24V+

24V+

8mm

2.6mm

33.33mm

24V+

G

R

B

24V+

G

R

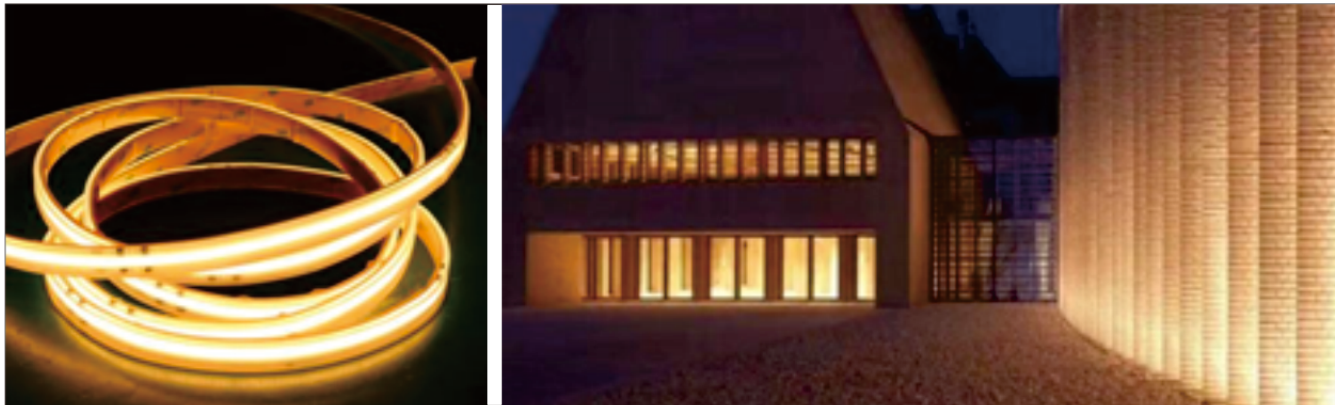
B

2.6mm

Parameters	
Part NO:	LW-COB025
LED Qty/M:	630pcs per meter
Voltage:	DC24V
Power/M:	9.6W
PCB Width :	8mm
CRI :	-
LM/W:	30LM/W
LM/M:	288LM/W
Color:	RGB
Beam angle:	180 degree
IP Grade:	IP20
Packing:	5M/Roll
Min Run:	24V 33.33mm

Remarks:CCT,PCB width and LED QTY can be customized.

# Waterproof IP65 High Voltage COB Led Strip Lighting



IP Rating

non-waterproof

silicon tube

waterproof(extrusion type)

Beam angle 180°

Color

2700K

3000K

4000K

6000K

DC 12V

DC 24V

CE

LM-80

180°

3 Years

Dimmable

RoHS

TUV

Dimensions

50000

166.6

12

1/12" | 2.2mm

PCB width

1/4" | 6mm/1/3" | 8mm

3/8" | 10mm

Parameters	
Part NO:	LW-COB026
LED Qty/M:	432pcs per meter
Voltage:	AC200-240V
Power/M:	220V(12W)
PCB Width :	10mm
CRI :	90
LM/W:	60LM/W
LM/M:	720LM/W
Color:	2700K,3000K,4000K,6000K
Beam angle:	180 degree
IP Grade:	IP20
Packing:	50M/Roll
Min Run:	220V 166.6mm

Remarks:CCT,PCB width and LED QTY can be customized.

COB Plus Type



IP Rating



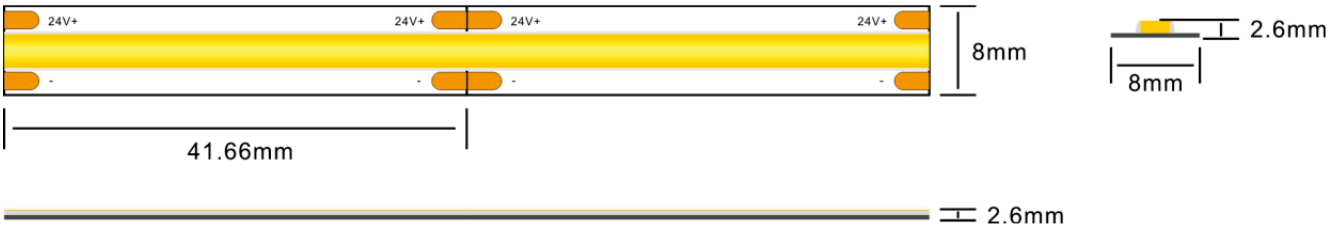
Beam angle 180°



Color



Dimensions



Parameters

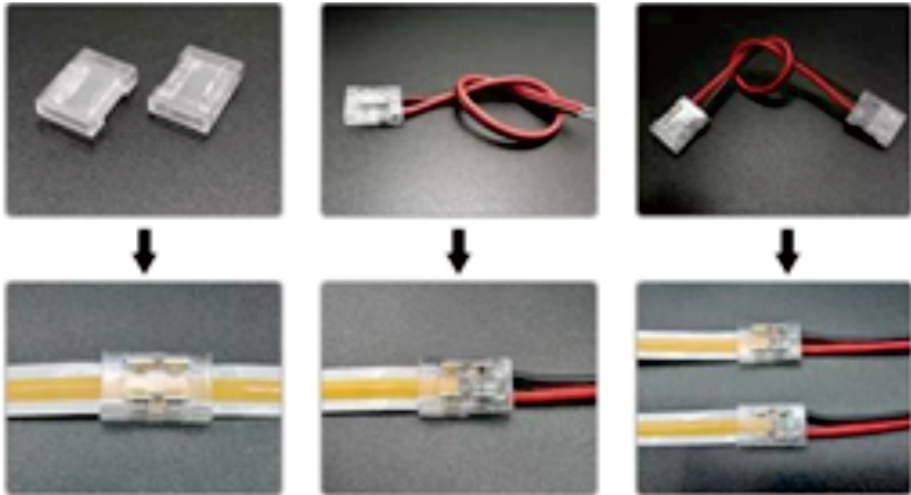
Advantage:	COB Plus LED Strip	COB Plus LED Strip
Part NO:	LW-COB027	LW-COB027
LED Qty/M:	384pcs per meter	528pcs per meter
Voltage(V):	DC24V	DC24V
Power/M	10W	10W
PCB Width IP20:	8mm width	10mm width
CRI (RA)	90	90
LM/W:	110LM / W	110LM/W
Color:	3000K/4000K/6000K	3000K/4000K/6000K
Beam angle:	180 degree	180 degree
IP Grade:	IP20	
Max Run:	5M/Roll	5M/Roll
Min Run:	45.45mm	45.45mm

Remarks:CCT,PCB width and LED QTY can be customized.

Accessories

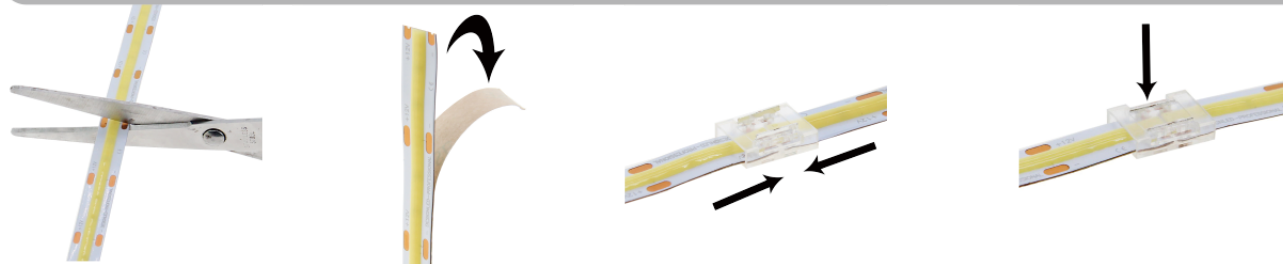


Free soldering Connector: 6mm; 8mm; 10mm



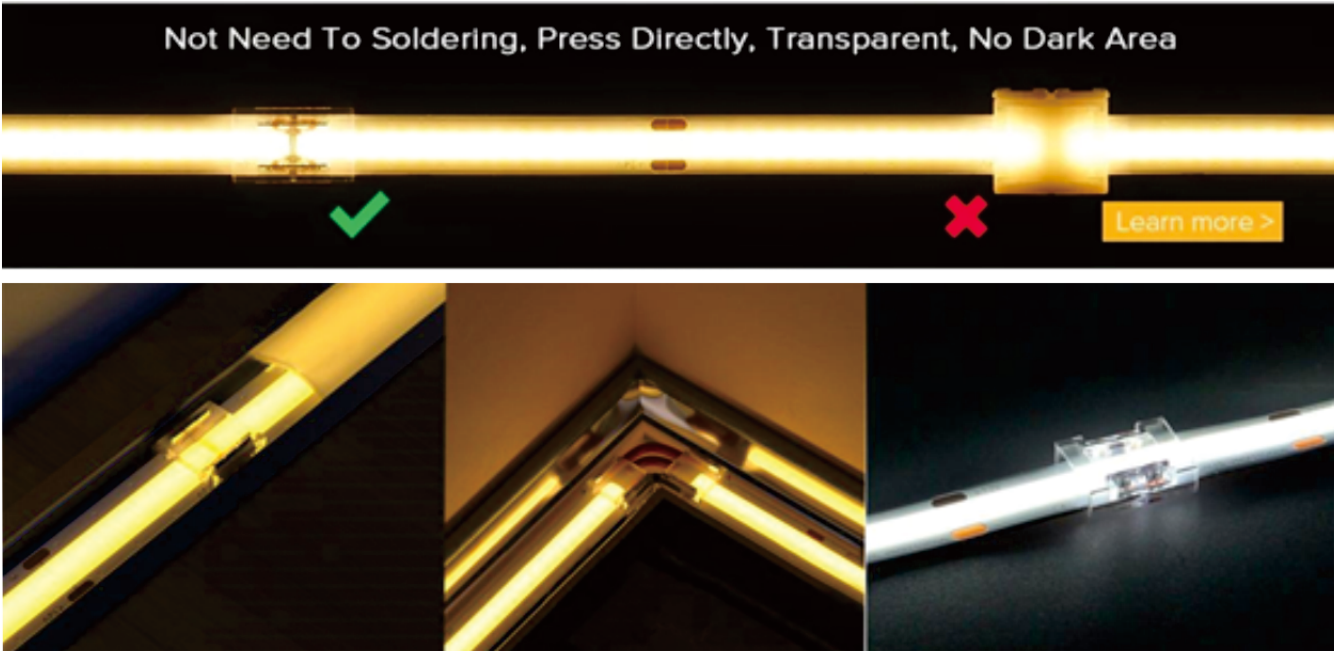
Middle Connector    End connector    90 cable connector

how to cut and connect it



1. Cut the COB on the cut mark.
- 2.Take the 3M tape out.
- 3 Put the strip with the connector and connect it together.
4. Press the connector PIN inside the strips and light it. It's Work !

Application:





# High CRI Led strip

High rendering refers to setting the general color rendering designation of sunlight and artificial standard light sources close to sunlight at 100. The higher the degree of consistency between the color of the same object under the illumination of the measured light source and the color of the standard light source, the greater the Ra, the better the color rendering performance, and the worse the color rendering performance. We generally refer to strip with CRI greater than 90 as high CRI led strips.

## 2835 LED Strip Light



- 2835 Adopts the Whole Luminescence Scheme, With High Luminous Efficiency and a Luminous Area of 9.18mm, Which is Twice the Size of 3528 Light Beads.
- 2835 Brightness High, Single One Can Reach 22 Lumens (LM), the Brightness is 2.8 Times of 3528 Lamp Bead, and 1.8 Times of 3014 Lamp Bead.

IP Rating

Ip20 PCB bare board

Ip65 Gel Coating

Ip67 Silicon Tube

Ip68 Glue Filling

DC 12V

DC 24V

CE

LM-80

120°

3 Years

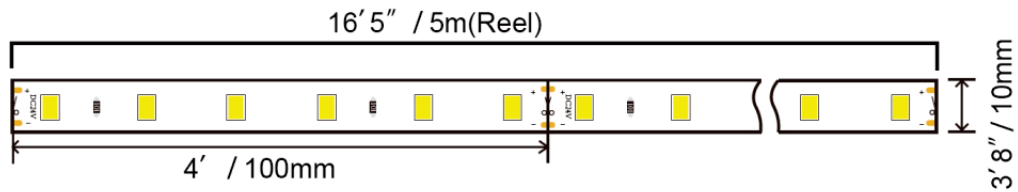
Dimmable

RoHS

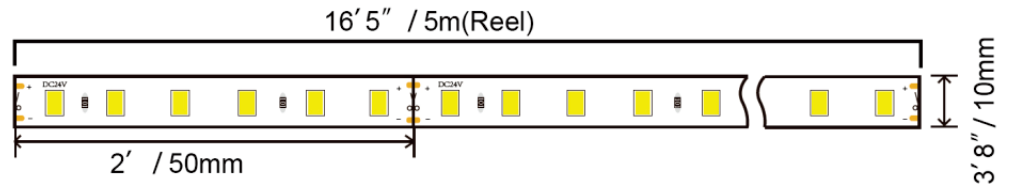
TUV

### Dimensions:

60LEDs/M



120LEDs/M



12.3mm

PCB width 3/8" | 10mm

Color

2700K

3000K

4000K

6000K

### Product Specifications:

Part NO.	A0095	A0099	A0103
LED	2835	2835	2835
Quantity	60 SMD / M	120 SMD / M	240 LEDs / M
IP Rank	Ip20	Ip20	Ip20
Color	R, Y, B, G, CW, WW, PW	R, Y, B, G, CW, WW, PW	R, Y, B, G, CW, WW, PW
PCB Color	White	White	White
CRI	CRI > 90, or > 95	CRI > 90, or > 95	CRI > 90, or > 95
Power ( For 5M )	40W	72W	100W
Dimension	5000 * 8 * 2.3mm	5000 * 8 * 2.3mm	5000 * 12 * 2.3mm

Remark: CCT, PCB width and LED QTY can be customized.

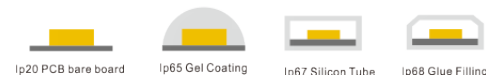


# High CRI 5050 LED Strip Lights



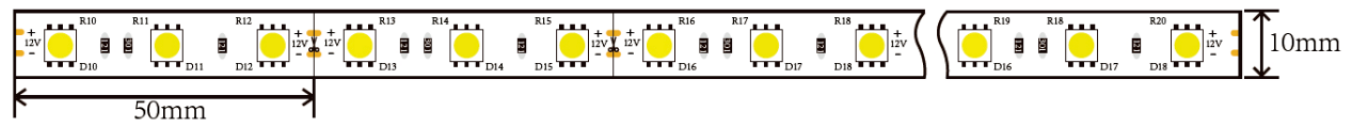
- LEDWORKER Flexible LED Strip light Adopt SMD3528 / SMD5050 / SMD5630 EPISTAR LED As Light Source, Which is Made of Excellent Temperature-Resistant PCB. There are Different Single Colors and RGB Color Available for Customers's Various Needs. The Light is Uniform and Colorful. It is Every 3LED Cuttable and Has 3M Adhesive Tape on the Back.
  - Ultra-Thin Design and Low Voltage is User-Friendly and Safety. In Addition, We Can Make Various Waterproof Strip for Different Places Application. 5050 LED Strip is Widely Used in Outline Lighting, Sign Illumination, advertisement Backlight, Building Decoration Etc.
- Waterproof Flex LED Strip 5050 Light Options: Silicon Tube Waterproof / Drop Glue Waterproof.

## IP Rating



## Dimensions:

12v-60 LEDs/M



## Color



## Product Specifications:

Part NO.	A0005	A0006	A0007	A0076
LED	5050	5050	5050	5050
Quantity	30 SMD / M	60 SMD / M	90 SMD / M	120 SMD / M Double Line
IP Rank	Ip20	Ip20	Ip20	Ip20
Color	R, Y, B, G, CW, WW, PW	R, Y, B, G, CW, WW, PW	R, Y, B, G, CW, WW, PW	R, Y, B, G, CW, WW, PW
PCB Color	White	White	White	White
CRI	CRI > 90, or > 95	CRI > 90, or > 95	CRI > 90, or > 95	CRI > 90, or > 95
Power (For 5M)	30W ± 10%	60W ± 10%	90W ± 10%	120W ± 10%
Dimension	5000 * 10 * 2.3mm	5000 * 10 * 2.3mm	5000 * 10 * 2.3mm	5000 * 15 * 2.3mm

Remark: CCT, PCB width and LED QTY can be customized.



HPLED Optical&Electrical Fast Meters Test Report

## LED Test Report

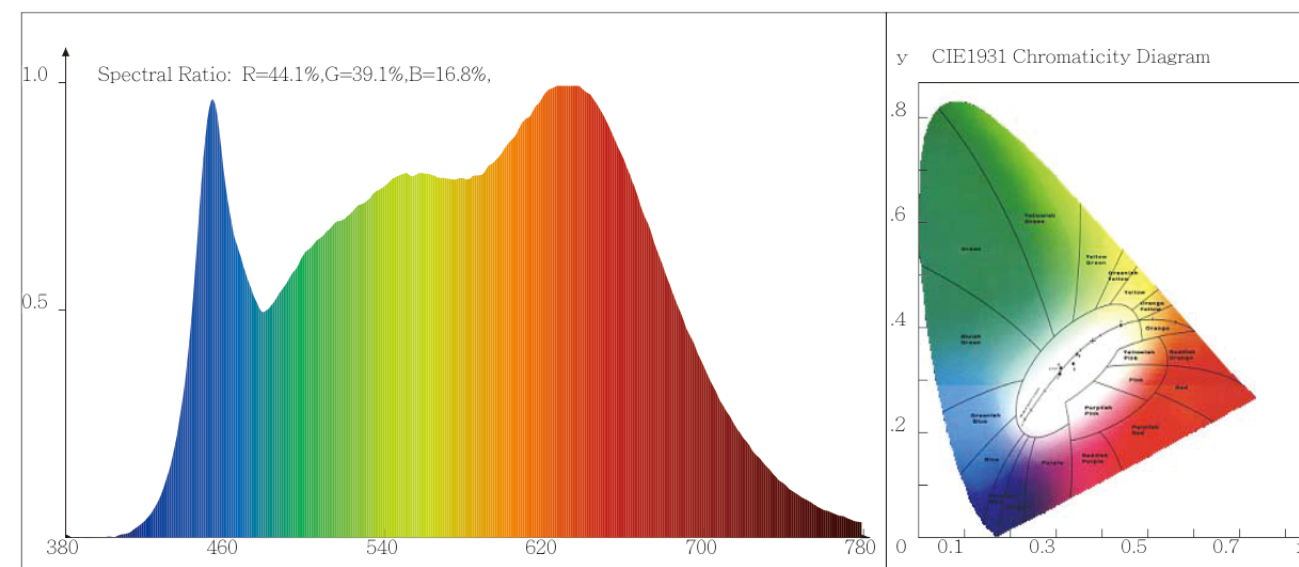
### Product Mark

Product Type :2835 120LED24V 4000k  
Temperature :23°C  
Operator :lau

Manufacturer :LW

Humidity :65%

Test Date :2020-10-10



### Chroma Parameters

Chro.Coar.: x=0.3797 y=0.3751 u=0.2253 v=0.3338 duv=-0.0006  
CCT: Tc= 4008K Dominant Wave.: 580.4nm Purity: 26.5%  
Flux Ratio: R=20.8%,G=76.1%,B=3.1% Peak Wave.: 627.4nm Half Width: 207.0nm

### Rending Index: Ra= 97.2

R1 =96.7 R2 =97.8 R3 =98.5 R4 =97.7 R5 =97.0 R6 =96.5 R7 =97.4  
R8 =96.6 R9 =93.6 R10=97.5 R11=98.3 R12=80.4 R13=96.5 R14=98.3  
R15=96.0

### Photo Parameters

Flux: 1320.73lm Effi.: 84.4lm/W Radiant: 4323.9mW Iv: 0.0mcd

### Ele. Parameters

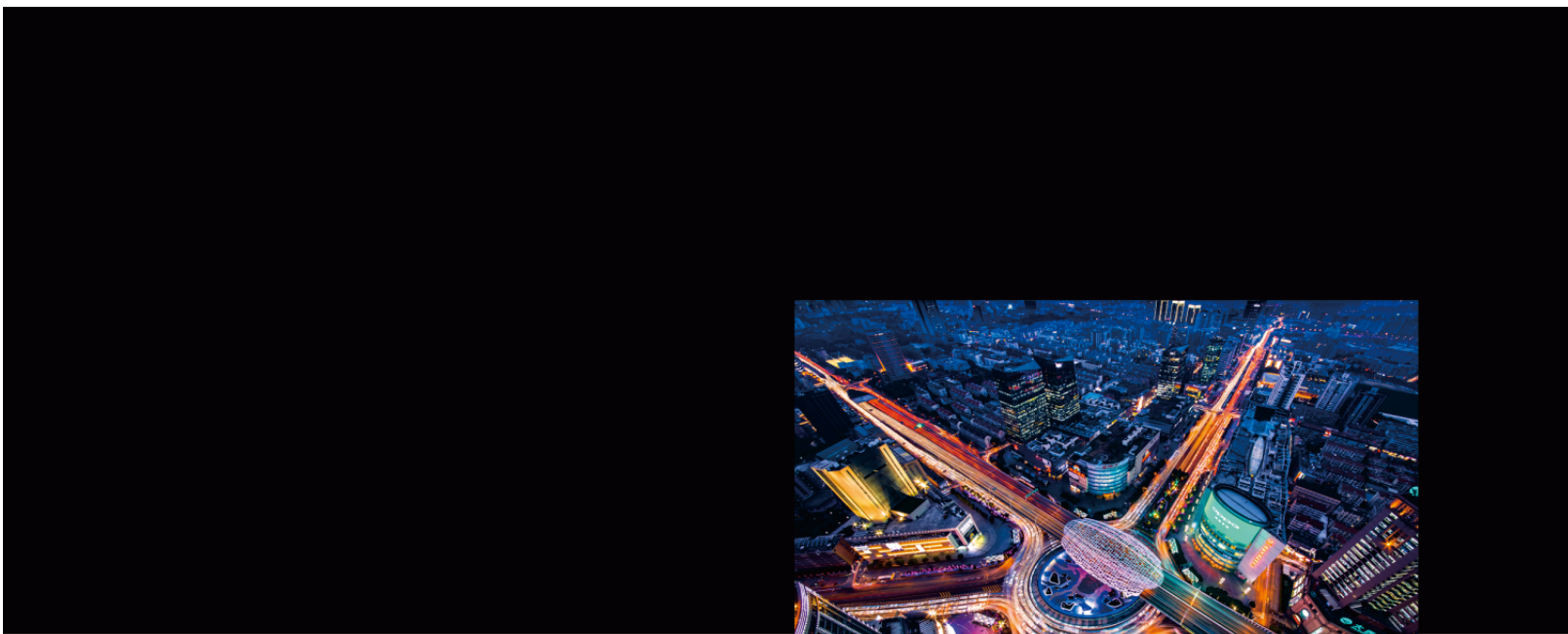
Forward Current:If=659.9mA Forward Voltage:Vf=23.71V  
Reverse Voltage:Vr=5.00V Reverse Current:Ir=0.00uA

### Instrument state

IntgeTime: 73.161ms VPeak: 13118 VDark: 1140  
Scan Range: 380-780nm

HongPu Optoelectronics Technology CO.,LTD www.hopoo.net



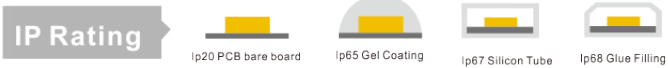
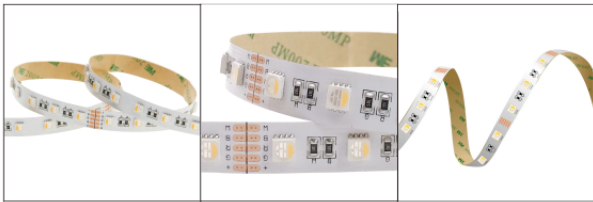


# Multi color led strip

Multicolor LED Strip refers to strips light with multiple colors together. Including: two-color led strips, RGB led strip, 4in1 led strips, 5in1 led strips, and led strip set.

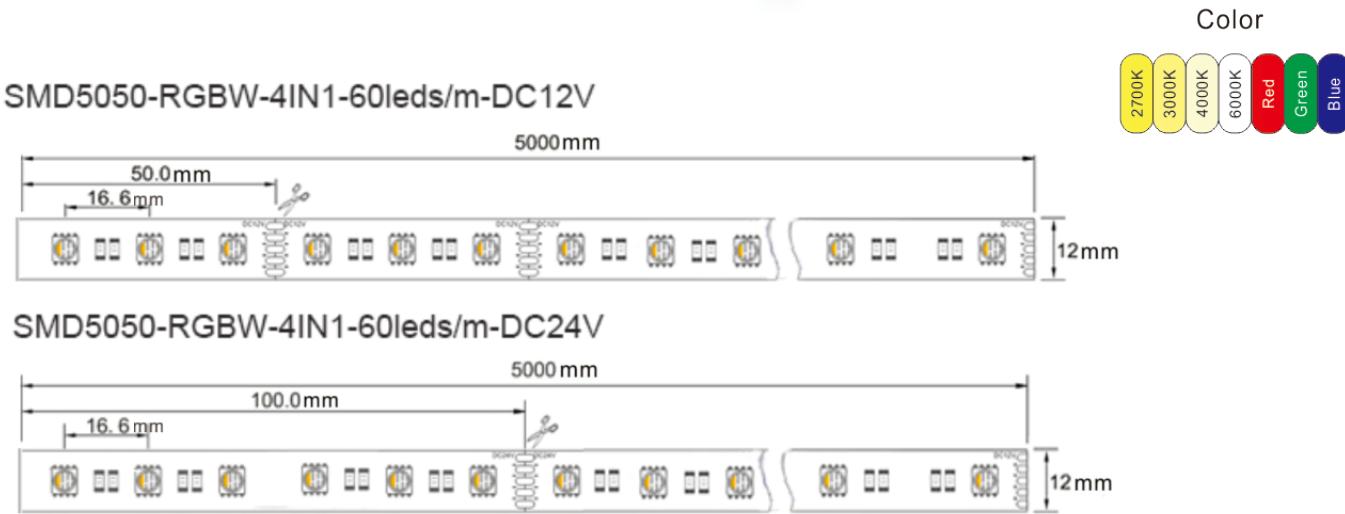


## RGBW 4 In 1 LED Strip



- Our SMD LED Use Copper Base and Gold Wire Which Provide Good Heat Dispersion, Long Life Span and Low Luminous Decay.
- Our Flexible Pcb Are All High Quality Double Layers PCB, at Least 2 Ounces, or 3 Ounces in Particular Models.
- We Always Require Same Bin Number SMD LEDs for Different Production Batches for the Same Customer.
- We Have Everfine Integrating Sphere to Test the Color Temperature of Incoming SMD LEDs and Put It in Our QC Records for Every Batch. Normally 5 Macadam LED is +/-100k
- We Can Produce 3 Macadam LED Strip / Tape as Customer Request.

### Dimensions:



### Product Specifications:

4in1 5050 RGBW Led Strip Type							
A1001	5050 RGBW	60 SMD/M	IP20	4in1 5050 RGBW LED	5000*12*2.3mm	12V/24V DC	72W±10%
A1002			IP65		5000*12*2.3mm		
A1003			IP67		5000*14*2.3mm		



5 in 1 RGBCCT LED STRIP



IP Rating

Ip20 PCB bare board

Ip65 Gel Coating

Ip67 Silicon Tube

Ip68 Glue Filling

DC 12V

DC 24V

CE

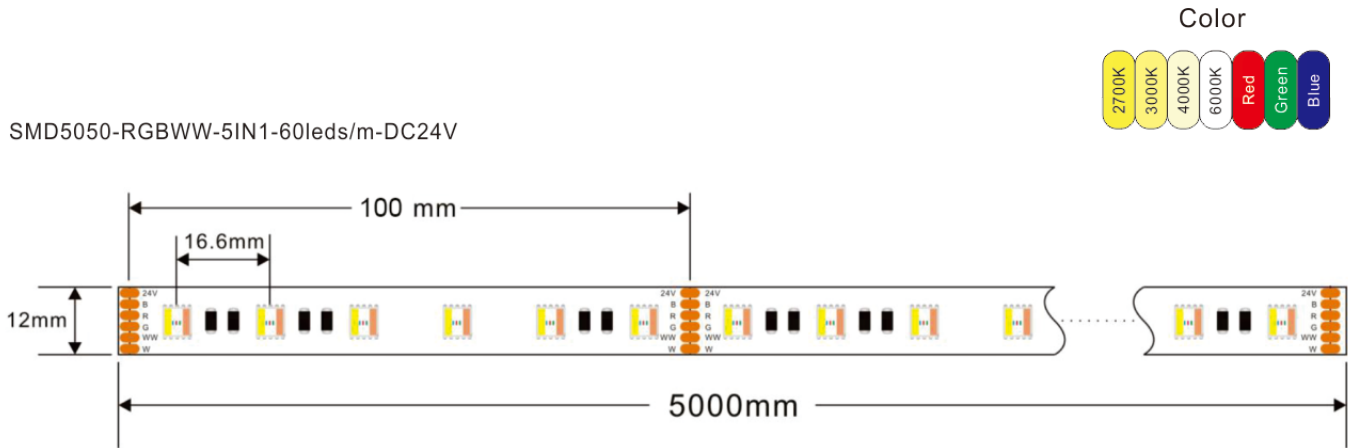
LM-80

120°

3 Years

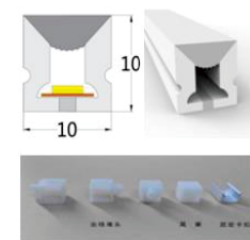
- Our SMD LED Use Copper Base and Gold Wire Which Provide Good Heat Dispersion, Long Life Span and Low Luminous Decay.
- Our Flexible PCB Are All High Quality Double Layers PCB, at Least 2 Ounces, or 3 Ounces in Particular Models.
- We Always Require Same Bin Number SMD LEDs for Different Production Batches for the Same Customer.
- We Have Everfine Integrating Sphere to Test the Color Temperature of Incoming SMD LEDs and Put It in Our Qc Records for Every Batch. Normally 5 Macadam LED is +/- 100k
- We Can Produce 3 Macadam Led Strip / Tape as Customer Request.

Dimensions:



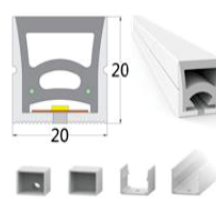


# Positive Emitting Neon strip



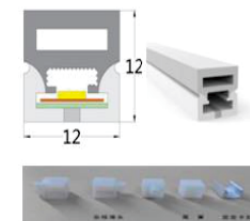
Casing size:10\*10mm  
IP Rate: IP67  
12-14W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Color:White

LW-T1010A



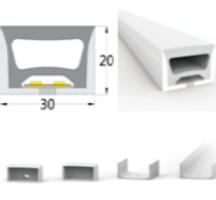
Casing size:20\*20mm  
IP Rate: IP67  
12-14W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Color:White

LW-T2020



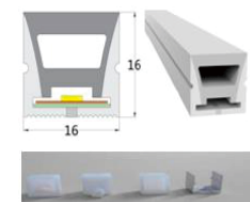
Casing size:12\*12mm  
IP Rate: IP67  
12-14W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Color:White

LW-T1212A



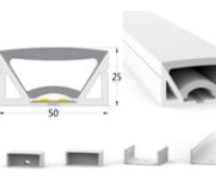
Casing size:30\*20mm  
IP Rate: IP67  
14.4W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Double line led strips  
Color:White

LW-T3020



Casing size:16\*16mm  
IP Rate: IP67  
12-14W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Color:White

LW-T1616A



Casing size:50\*25mm  
IP Rate: IP67  
14.4W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Double line led strips  
Color:White

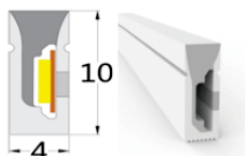
LW-T5025

## Product Specifications:

Model No.	LW-T1010A	LW-T1212A	LW-T1616A
Part NO:	LW-T1010A24V30	LW-T1212A24V30	LW-T1616A24V30
Size	10*10mm	12*12mm	16*16mm
Voltage(V)	24V	24V	24V
Power/M	DC24V=14W	DC24V=14W	DC24V=14W
Color	NW / WW / CN / W	NW / WW / CN / W	NW / WW / CN / W
IP Rate	IP67	IP67	IP67
Packing	5M / Roll	5M / Roll	5M / Roll
Cut length	24V = 25mm	24V = 25mm	24V = 25mm

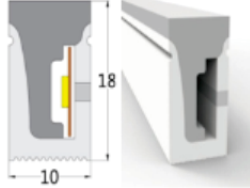
Model No.	LW-T2020	LW-T3020	LW-T5025
Part NO:	LW-T2020A24V30	LW-T3020A24V30	LW-T5025A24V30
Size	20*20mm	30*20mm	50*25mm
Voltage(V)	24V	24V	24V
Power/M	DC24V=14W	DC24V=14W	DC24V=14W
Color	NW / WW / CN / W	NW / WW / CN / W	NW / WW / CN / W
IP Rate	IP67	IP67	IP67
Packing	5M / Roll	5M / Roll	5M / Roll
Cut length	24V = 25mm	24V = 25mm	24V = 25mm

# Side Emitting Neon Strip



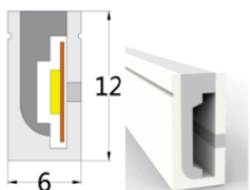
Casing size:4\*10mm  
IP Rate: IP67  
12-14W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Color:White

LW-T0410B



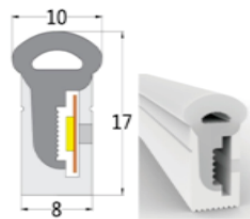
Casing size: 10\*18mm  
IP Rate: IP67  
12-14W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Color:White

LW-T1018B



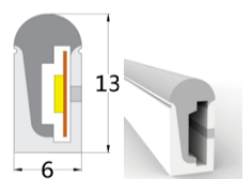
Casing size:6\*12mm  
IP Rate: IP67  
12-14W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Color:White

LW-T0612A



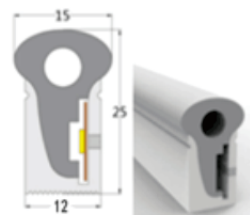
Casing size: 10\*17mm  
IP Rate: IP67  
12-14W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Color:White

LW-T1017



Casing size:6\*13mm  
IP Rate: IP67  
12-14W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Color:White

LW-T0613B



Casing size: 15\*25mm  
IP Rate: IP67  
12-14W, 24V input  
5 meters per roll  
White : 2700K , 3000K , 4000K  
Color:Addressable

LW-T1225

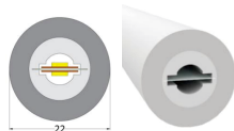
## Product Specifications:

Model No.	LW-T0410B	LW-T0612A	LW-T0613B
Part NO:	LW-T0410B24V30	LW-T0612A24V30	LW-T0613B24V30
Size	04*10mm	6*12mm	06*13mm
Voltage(V)	24V	24V	24V
Power/M	DC24V=12W	DC24V=12W	DC24V=12W
Color	NW / WW / CN / W	NW / WW / CN / W	NW / WW / CN / W
IP Rate	IP67	IP67	IP67
Packing	5M / Roll	5M / Roll	5M / Roll
Cut length	24V = 25mm	24V = 25mm	24V = 25mm

Model No.	LW-T1018B	LW-T1017	LW-T1225
Part NO:	LW-T1018B24V30	LW-T101724V30	LW-T122524VRGB
Size	10*18mm	10*17mm	12*25mm
Voltage(V)	24V	24V	24V
Power/M	DC24V=12W	DC24V=12W	DC24V=12W
Color	NW / WW / CN / W	NW / WW / CN / W	NW / WW / CN / W
IP Rate	IP67	IP67	IP67
Packing	5M / Roll	5M / Roll	5M / Roll
Cut length	24V = 25mm	24V = 25mm	24V = 25mm

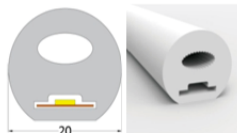


# Round Neon Strip



LW-D22-B

Casing size:D22mm  
IP Rate:IP67  
12-14W,24V input 5meters per roll  
White:2700K,3000K,4000K  
Color:White



LW-D20

Casing size: D20mm  
IP Rate: IP67  
12-14W, 24V input  
5 meters per roll  
Addressable led strip  
Color:Addressable

## Product Specifications:

Model No.	LW-D22-B	LW-D20
Part NO:	LW-D22-B24V30	LW-D2024VRGB
Size	D22mm	20mm
Voltage(V)	24V	24V
Power/M	12-14W	DC24V=12W
Color	2700K,3000K,4000K	Addressable
IP Rate	IP67	IP67
Packing	5M/ROLL	5M / Roll
Cut length	24V=25mm	24V = 25mm

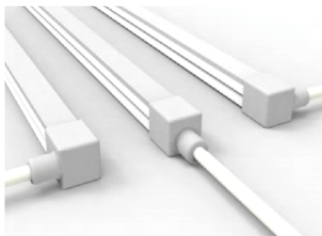
## Accessories:



waterproof connector



screw clips



End cap

## The Installation:



Accessories (Clips+Screw+Screw-Driver)



Fixed Clips



Install the Linear Light



Fixed the Linear Light

# LED Pixel Bar Light

LED Pixel Bar is an RGB magic color rigid bar. Divided into: LED Pixel bar and Rainbow LED Pixel tube. It consists of a addressable led strip and a hard light bar. Both of these two models are very convenient to install and disassemble, and can be assembled into various shapes to meet the needs of different customers. The difference is that one is front-lit, and the other is circular 360-degree light.



LED Pixel Bar



- 24V Individual control
- SK6812 Single Signal Transmission;
- ArtNet, SPI, DMX512, HDMI Control Mode;
- Black Semi-Transparent Cover for Semi-Hidden Light Strips;
- 256 Levels of Grayscale Changes;
- IP67 Waterproof Level;
- 120 Degree Illumination Without Dark Area;
- Serial Transmission, Signal Stability;
- Achieve Seamless Docking;
- Realize Multiple Docking Without Pressure Drop Phenomenon;

Product Specifications:

Produt Name	0.5M LED Pixel Bar			
Part NO	LW- PB0.5R	LW- PB0.5S	LW- PB0.5C	FLW- PB0.5BF
LED Qty	32led per 0.5M	32led per 0.5M	32led per 0.5M	32led per 0.5M
Lens type	Milky Round Lens	Milky Square Lens	Clear Flat Lens	Black Flat Lens
LED Pixel	32 pixel per 0.5M	32 pixel per 0.5M	32 pixel per 0.5M	32 pixel per 0.5M
Input Voltage	DC24V	DC24V	DC24V	DC24V
LED Type	5050 RGB	5050 RGB	5050 RGB	5050 RGB
IC	SK6812	SK6812	SK6812	SK6812
Max Power	7.5W	7.5W	7.5W	7.5W
View Angel	120°	120°	120°	120°
Color	Full Color	Full Color	Full Color	Full Color
IP Grade	IP67	IP67	IP67	IP67
Size	0.5M Per Pcs	0.5M Per Pcs	0.5M Per Pcs	0.5M Per Pcs
Lens	4 different lens	4 different lens	4 different lens	4 different lens
Grey scale	256	256	256	256
Produt Name	1M LED Pixel Bar			
Part NO	LW- PB1R	LW- PB1S	LW- PB1C	FLW- PB1BF
LED Qty	64led per 1M	64led per 1M	64led per 1M	64led per 1M
Lens type	Milky Round Lens	Milky Square Lens	Clear Flat Lens	Black Flat Lens
LED Pixel	64 pixel per 1M	64 pixel per 1M	64 pixel per 1M	64 pixel per 1M
Input Voltage	DC24V	DC24V	DC24V	DC24V
LED Type	5050 RGB	5050 RGB	5050 RGB	5050 RGB
IC	SK6812	SK6812	SK6812	SK6812
Max Power	15W	15W	15W	15W
View Angel	120°	120°	120°	120°
Color	Full Color	Full Color	Full Color	Full Color
IP Grade	IP67	IP67	IP67	IP67
Size	1M Per Pcs	1M Per Pcs	1M Per Pcs	1M Per Pcs
Lens	4 different lens	4 different lens	4 different lens	4 different lens
Grey scale	256	256	256	256

LED Pixel Bar Light



Accessories



Signal Amplifier



Fixed Pendant(Suggest two pcs each)



Hole Connecting Ball(Have 18/26 hole)



Arbitrary Connecting Rod( Use with hole ball)



" Y " Connecting Rod



" T " Connecting Rod



" X " Connecting Rod



" Six legs " Connecting Rod



Stereoscopic Rod(Use with L, Y, T, X, six legs Rod)



" L " Connecting Rod



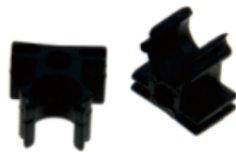
120° Two-Angle Connecting Rod



Arbitrary Angle Connector



Seamless Connector(Each two pcs use one)



Cable Clips



Extension Cord(From Cannon to strip)



0.5M Extension Cord



# LED Pixel Bar Light



1M Extension Cord



2M Extension Cord



3M Extension Cord



5M Extension Cord

The installation:



Choose the right accessories for you to use



Plug in the end-cap on the strip



Put another pixel bar on it



male and female connctor for easy connect



# Addressable LED Strip

Our strips that light with IC are collectively referred to as addressable LED strips. IC to achieve a full-color spectrum effect. Only addressable LED strips can get different colors from every individual light bead. We refer to this as “getting the full color.”



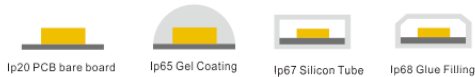


# 5V Built-in IC RGB Series WS2812B/WS2813B



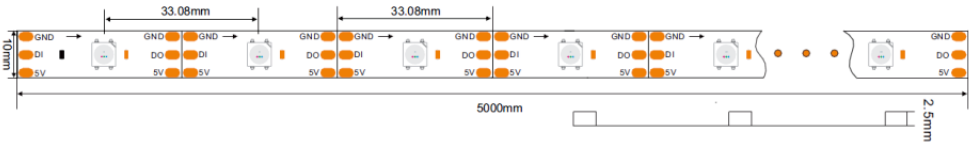
- 5V, RGB, built-in IC, one light and one control
- WS2812B is cost-effective, popular in the market, and has a large shipment volume.
- WS2813 with breakpoint resume function, reduce maintenance costs
- Data transmission 800KHZ/S, PWM refresh rate 1.2KHZ/S.

### IP Rating

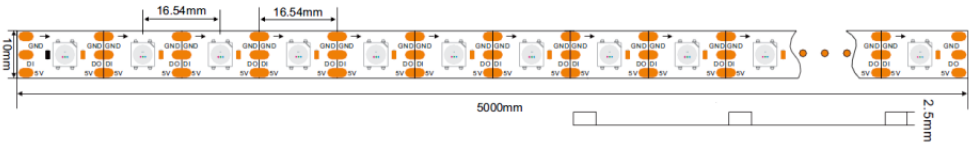


### Dimensions:

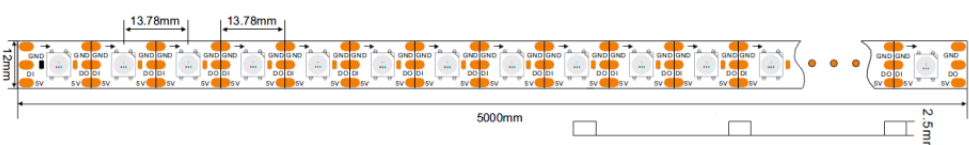
5V-30LEDs/M



5V-60LEDs/M



5V-144LEDs/M



PCB width 3/8" | 10mm  
\* | 12mm

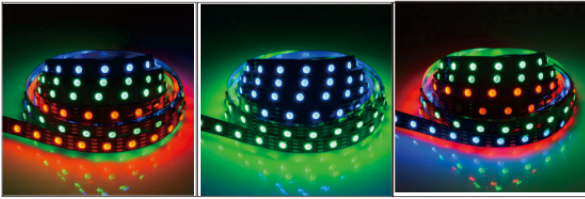
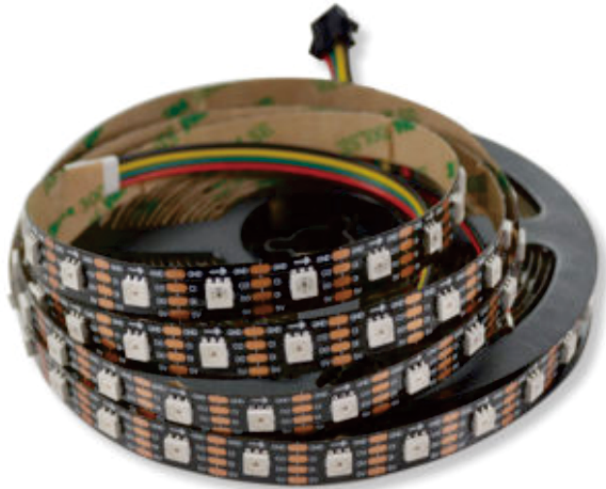
Color



### Product Specifications:

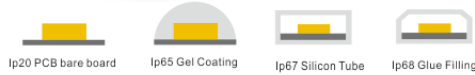
Part No:	Input Voltage	IC type	LED Quantity	IC QTY	PCB width	Color	Max Power	Min Cut	IP Grade	Control signal
LW-D0001	5V	WS2812B/WS2813B	30leds/m	30	10mm	Addressable RGB	9W/M	33.33mm	IP20	SPI
LW-D0002	5V	WS2812B/WS2813B	60leds/m	60	10mm	Addressable RGB	18W/M	16.66mm	IP20	SPI
LW-D0003	5V	WS2812B/WS2813B	72leds/m	72	12mm	Addressable RGB	21.6W/M	13.88mm	IP20	SPI
LW-D0004	5V	WS2812B/WS2813B	96leds/m	96	12mm	Addressable RGB	28.8W/M	10.41mm	IP20	SPI
LW-D0005	5V	WS2812B/WS2813B	144leds/m	144	12mm	Addressable RGB	42W/M	6.94mm	IP20	SPI

# 5V Built-in IC RGB Series HD107S



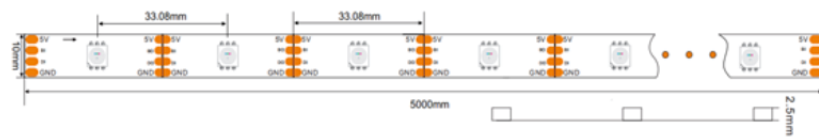
- Refresh Rate PWM APA102 is 20Khz and HD107S is 27KHz.
- Transmission Speed APA102 is 30MHZ, HD107S is 40MHZ.
- Built-in IC, one light and one control, the light changing effect is delicate and dense;
- HD107S adopts pure gold wire copper bracket lamp beads, 9\*9mil light-emitting chip.

### IP Rating

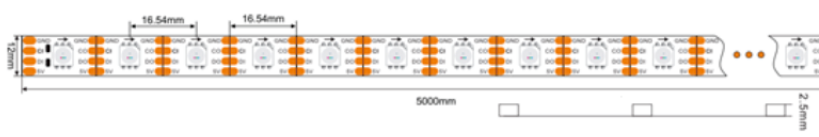


### Dimensions:

LW-D0011-30LEDs/M



LW-D0012-60LEDs/M



PCB width 3/8" | 10mm

Color



### Product Specifications:

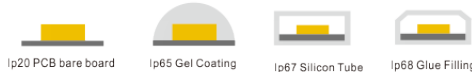
Part No	Input Voltage	IC type	LED Quantity	IC QTY	PCB width	Color	Max Power	Min Cut	IP Grade	Control signal
LW-D0011	5V	HD107S	30leds/m	30	10mm	Addressable RGB	9W/M	33.08mm	IP20	SPI
LW-D0012	5V	HD107S	60leds/m	60	12mm	Addressable RGB	18W/M	16.54mm	IP20	SPI
LW-D0013	5V	HD107S	72leds/m	72	12mm	Addressable RGB	21.6W/M	13.88mm	IP20	SPI
LW-D0014	5V	HD107S	96leds/m	96	12mm	Addressable RGB	28.8W/M	10.41mm	IP20	SPI
LW-D0015	5V	HD107S	144leds/m	144	12mm	Addressable RGB	42W/M	6.9mm	IP20	SPI

# 12V RGB Series Built-in IC WS2815B



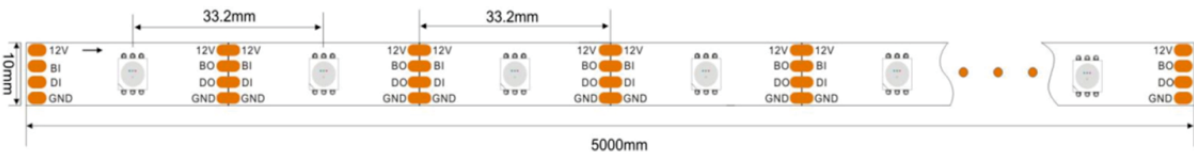
- WS2815 single signal control mode; Input DC12V.
- Can achieve single point single control effect;
- FPC material, can be used to bend;
- 256 levels of grayscale changes;
- Can be customized for waterproof level;
- 120 degree illumination without dark area;
- Serial transmission, signal stability;
- The pad can be cut between two pixel points;

### IP Rating

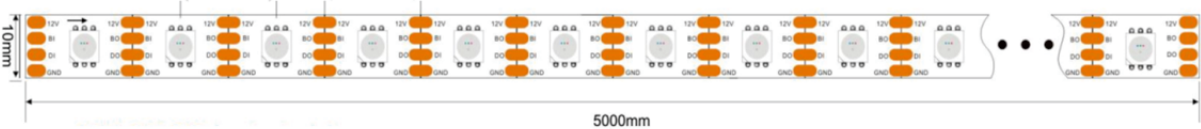


### Dimensions:

5V-30LEDs/M



5V-60LEDs/M



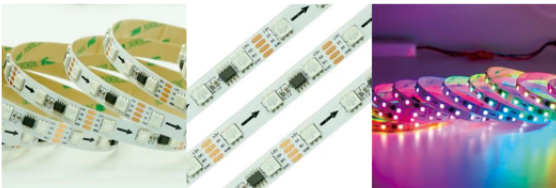
Color



### Product Specifications:

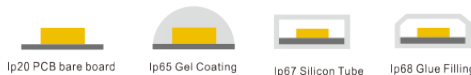
Part No	Input Voltage	IC type	LED Quantity	IC QTY	PCB width	Color	Max Power	Min Cut	IP Grade	Control signal
LW-D0018	12V	WS2815	30leds/m	30	10mm	Addressable RGB	9W/M	33.33mm	IP20	SPI
LW-D0019	12V	WS2815	60leds/m	60	12mm	Addressable RGB	18W/M	16.66mm	IP20	SPI
LW-D0020	12V	WS2815	72leds/m	72	12mm	Addressable RGB	21.6W/M	13.88mm	IP20	SPI
LW-D0021	12V	WS2815	96leds/m	96	12mm	Addressable RGB	28.8W/M	10.41mm	IP20	SPI
LW-D0022	12V	WS2815	144leds/m	144	12mm	Addressable RGB	42W/M	6.94mm	IP20	SPI

# 12V RGB Series Built-out IC TM1934



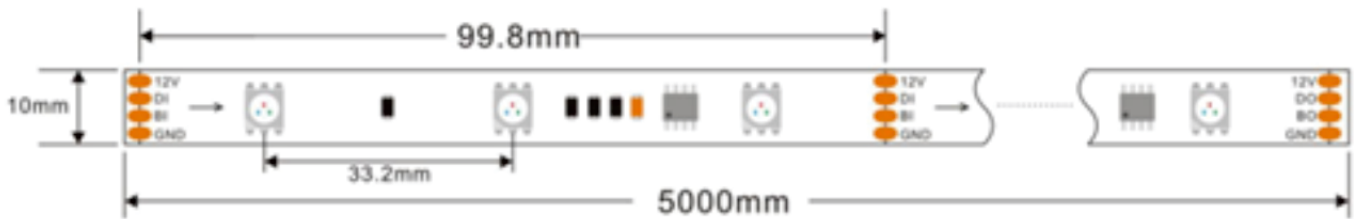
- 9\*9mil light-emitting chip;
- Breakpoint transmission function IC;
- DC12V power supply, only need to recharge once for 10 meters, the voltage drop is invisible to the naked eye;

### IP Rating



### Dimensions:

12V-30LEDs/M



Color

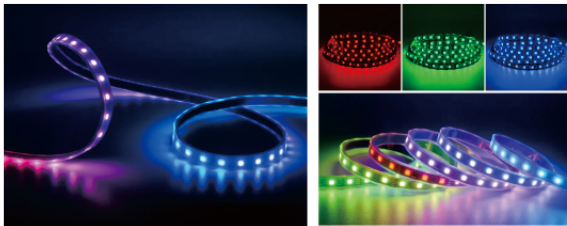
### Product Specifications:

Part No	Input Voltage	IC type	LED Quantity	IC QTY	PCB width	Color	Max Power	Min Cut	IP Grade	Control signal
LW-D0023	12V	TM1934	30leds/m	10	10mm	Addressable RGB	9W/M	100mm	IP20	SPI
LW-D0024	12V	TM1934	60leds/m	20	10mm	Addressable RGB	18W/M	50mm	IP20	SPI

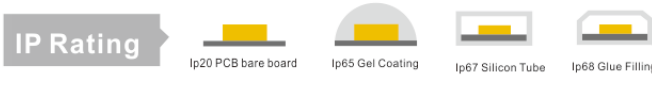


# 24V RGB Series

## Built-out IC TM1934

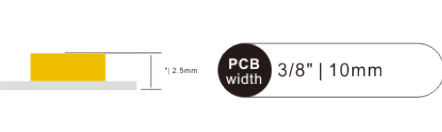
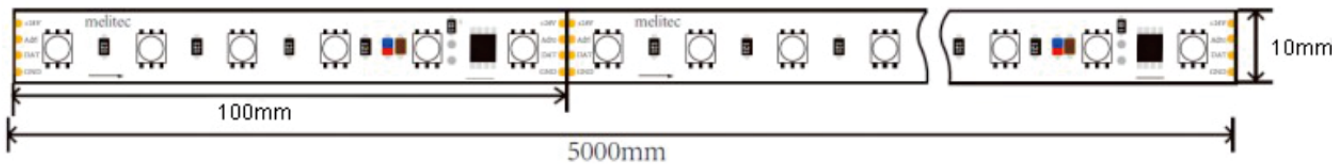


- External IC, 24V six lights one control
- TM1934 is cost-effective, popular in the market, and has a large shipment volume.
- TM1934 with breakpoint resume function, reduce maintenance costs



### Dimensions:

24V-60 LEDs/M



### Product Specifications:

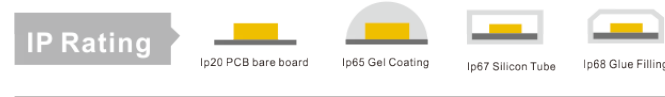
Part No	Input Voltage	IC type	LED Quantity	IC QTY	PCB width	Color	Max Power	Min Cut	IP Grade	Control signal
LW-D0023	24V	TM1934	48leds/m	8	10mm	Addressable RGB	14.4W/M	25mm	IP20	SPI
LW-D0024	24V	TM1934	60leds/m	10	10mm	Addressable RGB	18W/M	50mm	IP20	SPI

# RGBW Series

## 5V Built-in RGBW SK6812

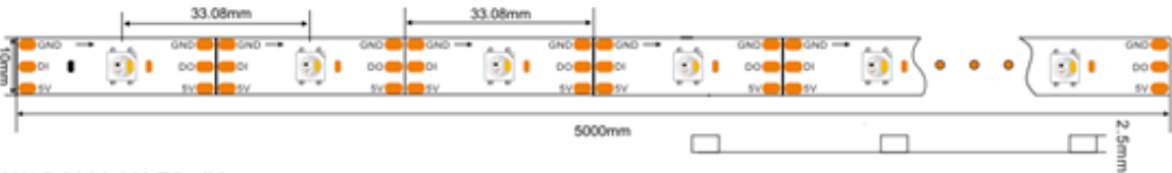


- Using 130nm process technology IC;
- Data transmission 800KHZ/S, PWM refresh rate 1.2KHZ/S.
- Built-in IC, one light and one control, the light changing effect is delicate and dense;
- RGB+W four-channel lighting, the channels can be individually controlled to emit light, which can be used for decoration and lighting at the same time;

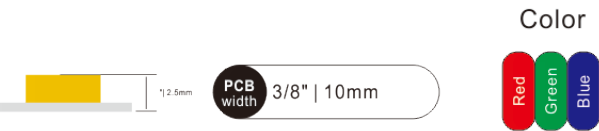
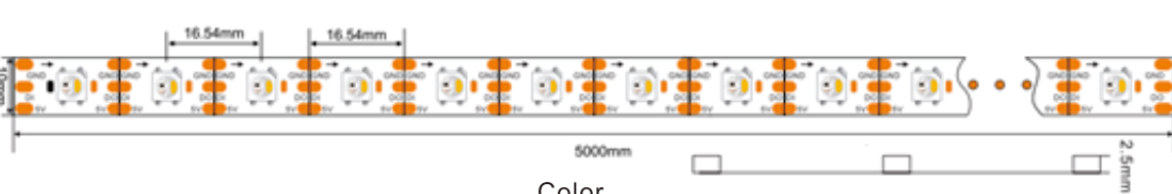


### Dimensions:

LW-D0027 30LEDs/M



LW-D0028 60LEDs/M



### Product Specifications:

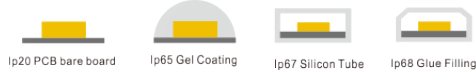
Part No	Input Voltage	IC type	LED Quantity	IC QTY	PCB width	Color	Max Power	Min Cut	IP Grade	Control signal
LW-D0027	5V	SK6812	30leds/m	30	10mm	Addressable RGBW	9W/M	33.33mm	IP20	SPI
LW-D0028	5V	SK6812	60leds/m	60	10mm	Addressable RGBW	18W/M	16.66mm	IP20	SPI
LW-D0029	5V	SK6812	72leds/m	72	12mm	Addressable RGBW	21.6W/M	13.88mm	IP20	SPI
LW-D0030	12V	SK6812	96leds/m	96	12mm	Addressable RGBW	28.8W/M	10.41mm	IP20	SPI
LW-D0031	5V	SK6812	144leds/m	144	12mm	Addressable RGBW	42W/M	6.94mm	IP20	SPI

RGBW Series 12V/24V  
Built-out IC RGBW WS2814

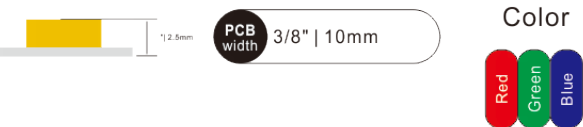
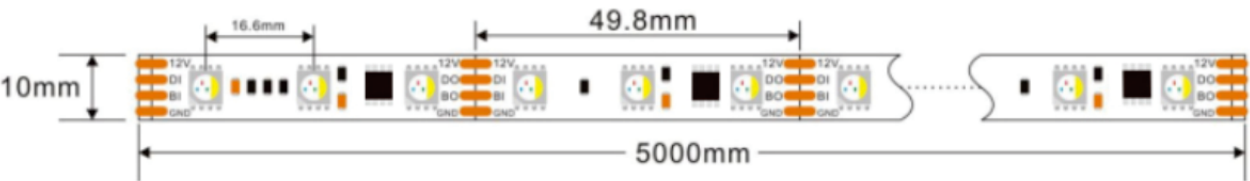


- RGBW four-in-one lamp beads.
- 12V /24V Addressable RGBW Led Strip
- External IC, 12V/24V three lights one control
- DC12V/DC24V power supply, low voltage drop;

IP Rating



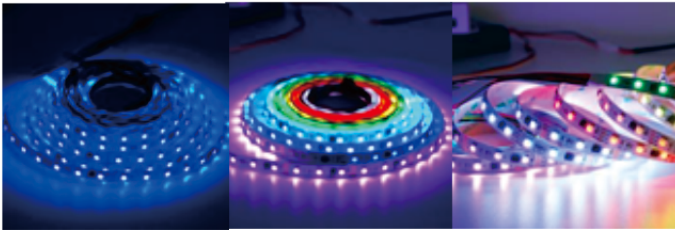
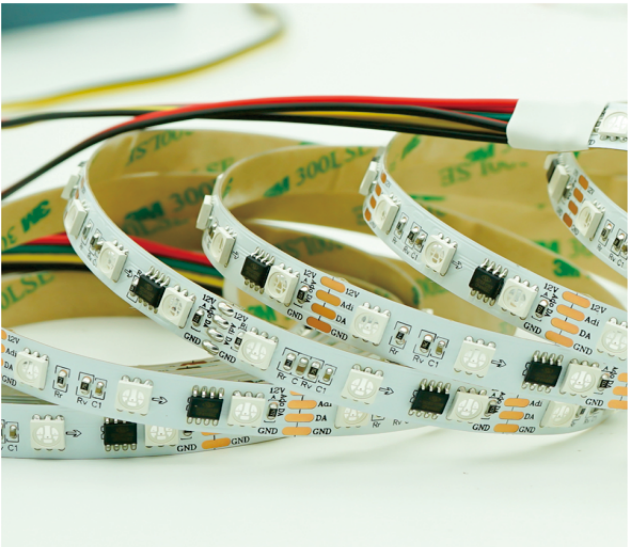
Dimensions:



Product Specifications:

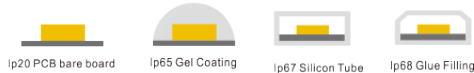
Part No	Input Voltage	IC type	LED Quantity	IC QTY	PCB width	Color	Max Power	Min Cut	IP Grade	Control signal
LW-D0032	12V	WS2814 ( SOP8 )	60leds/m	20	10mm	Addressable RGBW	18W/M	50mm	IP20	SPI
LW-D0032	24V	WS2814 ( SOP8 )	60leds/m	10	10mm	Addressable RGBW	18W/M	100mm	IP20	SPI

DMX512 Series 12V / 24V  
Built-out IC RGB DMX512



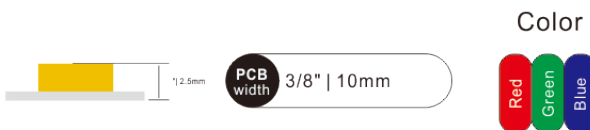
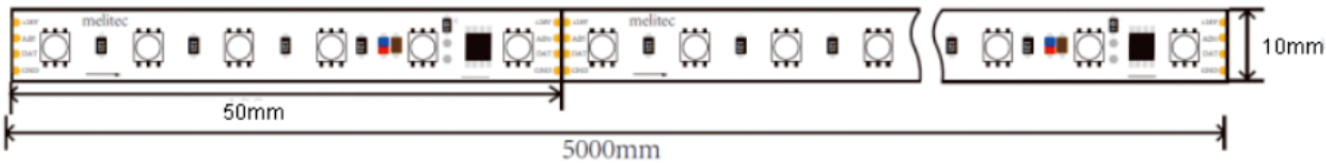
- 12V/24V Addressable RGB Led Strip
- DMX512 has breakpoint resume function
- Using DMX512 (1990) control protocol,
- DC12V/24V power supply, low voltage drop;
- External IC, 12V three lights one control, 24V six lights one control

IP Rating



Dimensions:

LW-D0035 60LEDs/M



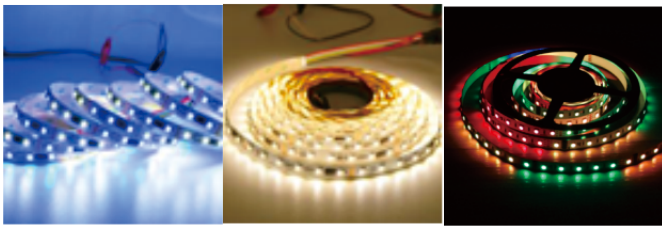
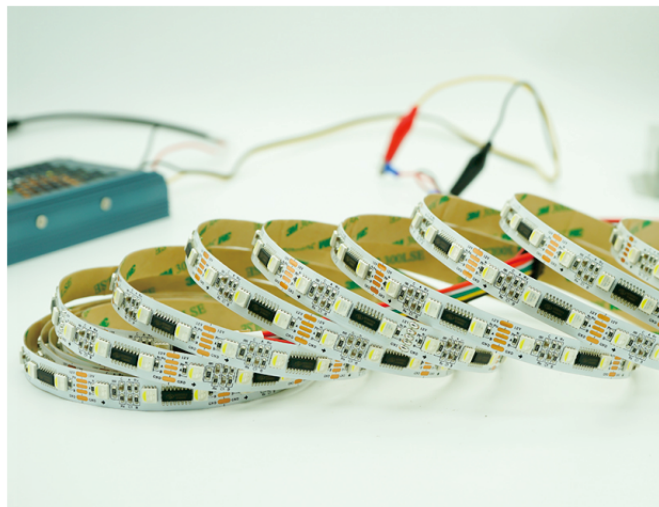
Product Specifications:

Part No	Input Voltage	IC type	LED Quantity	IC QTY	PCB width	Color	Max Power	Min Cut	IP Grade	Control signal
LW-D0034	12V	DMX512	60leds/m	20	10mm	Addressable RGB	18W/M	50mm	IP20	DMX
LW-D0035	24V	DMX512	60leds/m	10	10mm	Addressable RGB	18W/M	100mm	IP20	DMX



# DMX512 Series 12V / 24V

## Built-out IC RGBW DMX512



- 12V/24V Addressable RGBW Led Strip
- Using DMX512 (1990) control protocol
- DMX512 has breakpoint resume function
- External IC, 12V three lights one control, 24V six lights one control
- Dual signal line transmission, strong signal anti-interference ability

IP Rating

Ip20 PCB bare board

Ip65 Gel Coating

Ip67 Silicon Tube

Ip68 Glue Filling

DC 12V

DC 24V

CE

LM-80

120°

3 Yesrs

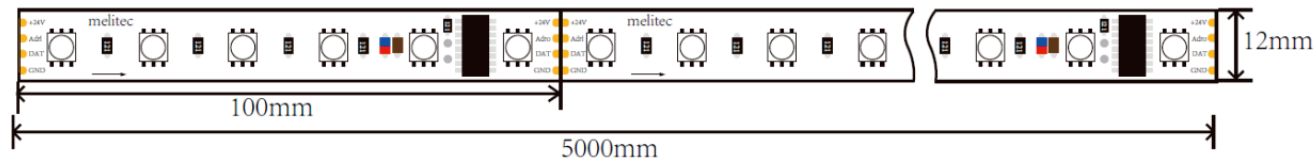
Dimmable

RoHS

TUV

### Dimensions:

24V-60 LEDs/M



Color

12.5mm

PCB width 3/8" | 10mm 3/8" | 12mm

2700K 3000K 4000K 6000K Red Green Blue

### Product Specifications:

Part No	Input Voltage	IC type	LED Quantity	IC QTY	PCB width	Color	Max Power	Min Cut	IP Grade	Control signal
LW-D0036	12V	DMX512	60leds/m	20	12mm	Addressable RGBW	18W/M	50mm	IP20	DMX
LW-D0037	24V	DMX512	60leds/m	10	12mm	Addressable RGBW	18W/M	100mm	IP20	DMX

# White Series 5V/12V/24V



- 5V, White, built-in IC, one light and one control, individually addressable.
- External IC, 12V three lights one control, WS2818B with breakpoint resume function, reduce maintenance cost.
- 24V six lights one control, Using DMX512 (1990) control protocol, DMX512 has breakpoint resume function, Dual signal line transmission, strong signal anti-interference ability.

IP Rating

Ip20 PCB bare board

Ip65 Gel Coating

Ip67 Silicon Tube

Ip68 Glue Filling

DC 12V

DC 24V

CE

LM-80

120°

3 Yesrs

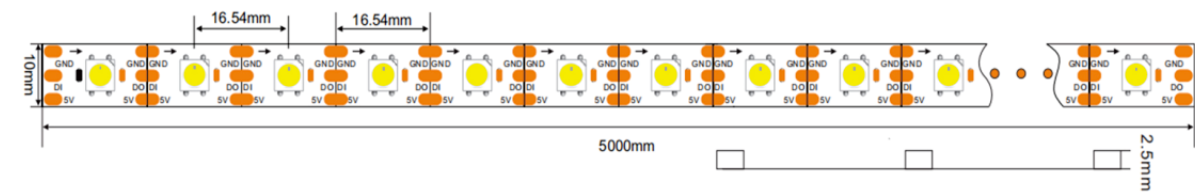
Dimmable

RoHS

TUV

### Dimensions:

LW-D0038



Color

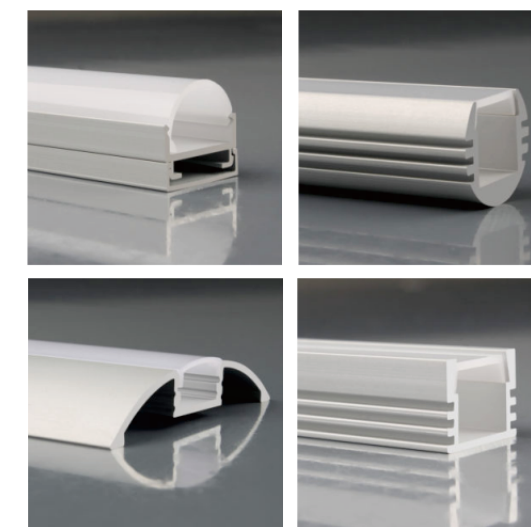
2700K 3000K 4000K 6000K

### Product Specifications:

Part No	Input Voltage	IC type	LED Quantity	IC QTY	PCB width	Color	Max Power	Min Cut	IP Grade	Control signal
LW-D0038	5V	SK6812	60leds/m	60	10mm	Warm White	18W/M	16.54mm	IP20	SPI
LW-D0039	12V	WS2818B	60leds/m	20	10mm	White	18W/M	16.66mm	IP20	SPI
LW-D0036	12V	DMX512	60leds/m	20	10mm	White	18W/M	50mm	IP20	DMX
LW-D0037	24V	DMX512	60leds/m	10	10mm	White	18W/M	100mm	IP20	DMX



## Aluminium Profile / Casing



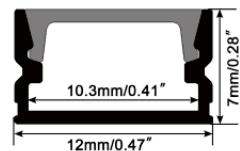
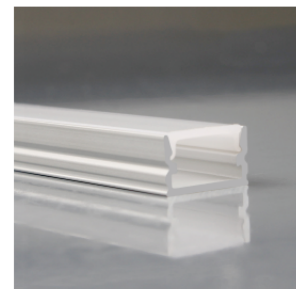
## Aluminium Profile Casing

led strip aluminum profile also called: LED Diffusers Channel or led aluminum extrusions. They are best choice of installation and function companion for LED strip light. The components of the aluminum groove are: aluminum channel, cover, clips, end caps and screws.

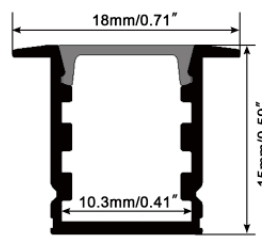
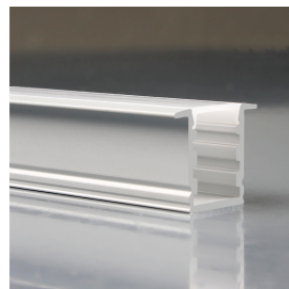




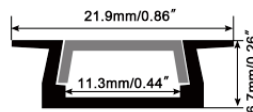
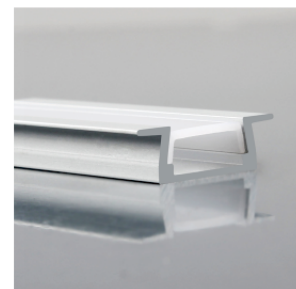
# Aluminium Profile / Casing



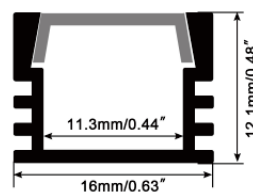
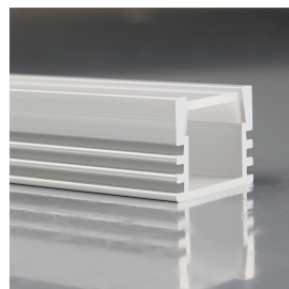
1207



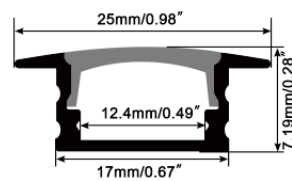
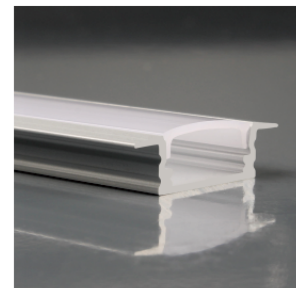
1215C



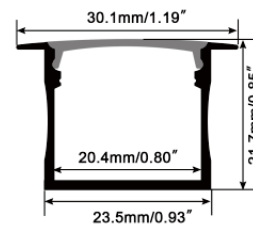
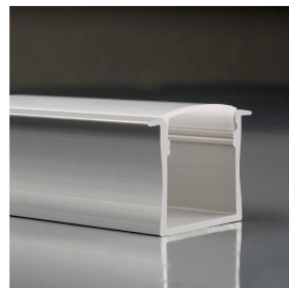
1606B



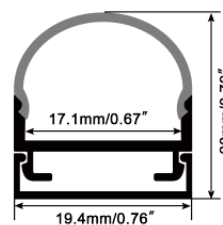
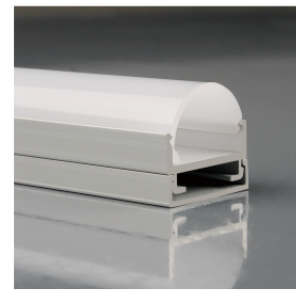
1612



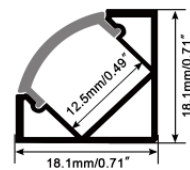
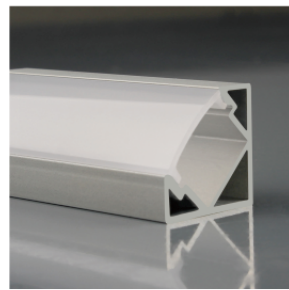
1706B



2320B



1909A



1818



# Controller

RGB Controller



Model: LW-IRL44S

Specifications:

- Infrared aluminum shell 44-key RGB controller
- Input voltage: DC12-24V
- Output currentt: 6A\*3CH
- Power:12V:<216W, 24V:<432W    Output: R-/G-/B-/V+

Packing:

- receiver Size :130\*65\*25mm
- package Size :135\*80\*55mm
- net weight:144g
- Gross weight: 177g
- Light with 10 meters in series
- Lights with 15-20 meters in parallel



Model: LW-SYNC-D03

Specifications:

- 2.4G network port synchronous RGB controller
- Input voltage: DC12-24V
- Output current: 8A\*3CH
- power:12V:<288W, 24V:<576W
- Output: R-/G-/B-/V+

Packing:

- receiver Size :L91\*W88\*H24mm;
- package Size:L108\*W108\*H50mm
- net weight:227g
- Gross weight:379g
- Light with 10 meters in series
- Lights with 15-20 meters in parallel



Model: LW-TOUCH-MB07

Specifications:

- Panel touch RGB controller
- Input voltage: DC12-24V
- Output current: 4A\*3CH
- power12V:<144W, 24V:<288W    Output: R-/G-/B-/V+

Packing:

- product
- Size :86\*86\*36 mm
- package Size :112\*104H54 mm
- net weight:128g
- Gross weight:187g
- Light with 10 meters in series
- Lights with 15 meters in parallel



Model: LW-QC19

Specifications:

- 2.4G 360W One to one RGB Controller
- Input voltage: DC12-24V
- Output current: 10A\*3CH
- power:12V:<360W, 24V:<720W
- Output: R-/G-/B-/V+

Packing:

- receiver Size :74\*110\*24mm
- package Size :95\*140\*50mm
- net weight:200g
- Gross weight:230g
- Light with 10 meters in series
- Lights with 15-25 meters in parallel
- One to one suit



Model: LW-J-V3

Specifications:

- RGB type
- Input voltage: 12-24VDC
- Output type: PWM constant voltage
- Output current: 3 channels, each channel ≤ 4A
- Output power: 12V<144W, 24V<288W

Packing:

- Product size: 97\*33\*18(mm)
- Net weight: 38g
- Packing: 100 pcs/carton



Model: LW-J-VP

Specifications:

- RGBW type
- Input voltage: 12-24VDC
- Output type: PWM constant voltage
- Output current: 4 channels, each channel ≤ 4A
- Output power: 12V<192W, 24V<384W

Packing:

- Product size: 114\*38\*20(mm)
- Product net weight: 53g
- Packing: 100 pcs/carton



Model: LW-J-R8-1

Specifications:

- Zone 1
- RGB/RGBW Remote control
- Output signal: 2.4GHz
- Working voltage: 3VDC (CR2032 button battery)
- Standby time: 12 months
- Remote control zone: Zone 1
- Remote control distance: 30 meters

Packing:

- Product size: 107\*58.5\*9(mm)
- Net weight: 34.7g
- Packing: 100 pcs/carton

DMX Controller



LED strip DMX512-SPI decoder  
RF controller dimmer RGB

Features

- DMX512 to SPI decoder and RF controller with digital display.
- Compatible with 32 kinds digital IC RGB or RGBW LED strip, IC type and R/G/B order can be set. Compatible ICs: TM1803,TM1804,TM1809,TM1812,UCS1903,UCS1909,UCS1912,UCS2903,UCS2909,UCS2912,WS2811,WS2812,TM1829,TLS3001,TLS3002,GW6205,MB16120,TM1814B,SK6812,UCS8904B,LPD6803,LPD1101,D705,UCS6909,UCS6912,LPD8803,LPD8806,WS2801,WS2803,P9813,SK9822,TM1914A.
- DMX decode mode, stand-alone mode and RF mode selectable.
- Standard DMX512 compliant interface, set DMX decode start address by buttons.
- Under stand-alone mode, change mode, speed or brightness by bottom.
- Under RF mode, match with RF 2.4G RGB/RGBW remote control.
- 32 kinds dynamic mode, include horse-race, chase, flow, trail or gradual change style.



1024 dots DMX512-SPI Decoder (with RF)

Features

- DMX512 to SPI decoder and RF controller with digital display.
- Compatible with 32 kinds digital IC RGB or RGBW LED strip, IC type and R/G/B order can be set. Compatible ICs: TM1803,TM1804,TM1809,TM1812,UCS1903,UCS1909,UCS1912,UCS2903,UCS2909,UCS2912,WS2811,WS2812,TM1829,TLS3001,TLS3002,GW6205,MB16120,TM1814B,SK6812,UCS8904B,LPD6803,LPD1101,D705,UCS6909,UCS6912,LPD8803,LPD8806,WS2801,WS2803,P9813,SK9822,TM1914A.
- DMX decode mode, stand-alone mode and RF mode selectable.
- Standard DMX512 compliant interface, set DMX decode start address by buttons.
- Under stand-alone mode, change mode, speed or brightness by bottom.
- Under RF mode, match with RF 2.4G RGB/RGBW remote control.
- 32 kinds dynamic mode, include horse-race, chase, flow, trail or gradual change style.



24 Channel\*5A 12-24V DMX Decoder  
D24A 8 bit or 16bit decoder

Features

- 24 channels constant voltage output, Max. 5A current per channel, up to 2880W output power.
- Master & decoder mode, RDM function.    • Easy operation with OLED display and 4 buttons.
- DIM/CCT/RGB decoding mode selectable.    • PWM frequency 250/500/2000/8000Hz selectable.
- 16bit (65536 levels) /8bit (256 levels) grey level selectable.
- Output dimming curve gamma value 0.1-9.9 selectable.
- Stand-alone RGB mode and 24 channel dimmer mode selectable, work as DMX master(8 bit) to control other decoders.
- Built-in 10 RGB programs, speed and brightness adjustable.
- Comply with the DMX512 standard protocols.    • DMX signal optoelectronic isolation / amplify.
- Over-heat / Over-load / Short circuit protection, recover automatically.
- With fast self-testing function.



4 channel DMX512&RDM  
rgbw led strip decoder

Features

- Comply with the DMX512 standard protocols.
- Digital numeric display, set DMX decode start address by buttons.
- RDM function can realize intercommunication between DMX master and decoder. For example, DMX decoder address can be set by DMX master console.
- 1/2/4 DMX channel output selectable.
- PWM frequency 2000/500Hz selectable.
- Logarithmic or linear dimming curve selectable.
- Stand-alone RGB/RGBW mode and 4 channel dimmer mode selectable, which be controlled by buttons with built-in programs, instead of DMX signal.



12V-36V 4 channel 32A PWM constant  
voltage DMX decoder Model No: D4-XE

Features

- Comply with the DMX512 standard
- Digital numeric display, set DMX decode start address by
- RDM function can realize intercommunication between DMX master and decoder. Forexample, DMX decoder address can be set by DMX master console.
- 1/2/4 DMX channel output
- PWM frequency 2000/500Hz
- Logarithmic or linear dimming curve
- Stand-alone RGB/RGBW mode and 4 channel dimmer mode selectable, whichbe controlled by buttons with built-in programs, instead of DMX
- Greenterminal, XLR3 and RJ45 port DMX signal
- Over-heat / Short circuit protection, recover





# Dimmer Controller



Model: LW-DT81

Specifications:

- Wireless touch monotone light controller
- Input voltage: DC12-24V
- Output current: 4A\*3CH
- power: 12V:<144W, 24V:<288W
- Output: V-/V-/V+/V+
- Pass code/pair code

Packing:

- receiversize :L85\*W45\*H23mm
- packagesize : 13.5\*8\*5.5cm
- net weight:99g
- Gross weight:129g



Model: LW-T4

Specifications:

- 360W knob dimmer
- Input voltage: DC12-24V
- Output current: 30A\*1CH
- power:12V:<360W, 24V:<720W
- Output: V-/V+

Packing:

- productsize :65\*50\*20mm
- packagesize :75\*55\*25mm
- net weight:150g
- Gross weight:170g



Model: LW-SYNC-S01

Specifications:

- Network cable synchronization wireless dimmer
- Input voltage: DC12-24V
- Output current: 25A\*1CH
- power:12V:<300W, 24V:<600W
- Output: V-/V+

Packing:

- productsize:L127\*W41\*H32mm
- packagesize:L147\*W84\*H74mm
- net weight:250g
- Gross weight:340g



Model: LW-RF-T1

Specifications:

- Wireless 3 button dimmerInput voltage: DC12-24V
- Output current: 8A\*1CH
- 12V:<96W, 24V:<192W
- Output: V-/V+

Packing:

- productsize :115\*56\*34mm
- packagesize :120\*84\*45mm
- net weight:75g
- Gross weight:102g



Model: LW-TOUCH-MB05

Specifications:

- Panel touch monotone lighter (new)
- Input voltage: DC12-24V
- Output current: 4A\*3CH
- power12V:<144W, 24V:<288W
- Output: R-/G-/B-/V+

Packing:

- productsize :86\*86\*36 mm
- packagesize :112\*104H54 mm
- net weight:128g
- Gross weight:187g



Model: LW-T5

Specifications:

- Human body infrared sensor switch
- Supply voltage:10.5-16V or21-32V
- output voltage:10.5-16V or21-32V
- Sensing distance: 8 M
- Angle:60°
- Output current:<6A
- Delay time: 1-10 min (adjustable)

Packing:

- productsize :L76XW45XH34 mm
- packagesize :L104XW64XH41mm
- net weight:32g
- Gross weight:50g

# Addressable Controller



LW-J-SC

Specifications:

- SPI RGB / RGBW Controller
- Working temperature : -30℃~55℃;
- Working Voltage : DC5V~24V;
- Power Consumption : 1W;
- Input signal: RF2.4GHz
- Output signal: SPI (TTL)
- Dynamic mode: 32
- Control Dots: Max 1024 pixels

Packing:

- 1, Mini-style RF 2.4G multi-pixel RGB controller with SPI output, match with Skydance's 2.4G RGB/RGBW remote control.
- 2, Compatible with 31 kinds digital IC RGB or RGBW LED strip, IC type and R/G/B order can be set.
- Compatible ICs: TM1803, TM1804, TM1809, TM1812, UCS1903, UCS1909, UCS1912, UCS2903, UCS2909, UCS2912, WS2811,WS2812, TM1829, TLS3001, TLS3002, GW6205, MBI6120, TM1814B, SK6812, UCS8904B, LPD6803, LPD1101, D705, UCS6909, UCS6912, LPD8803, LPD8806, WS2801, WS2803, P9813, Sk9822.
- 3, 32 kinds dynamic mode, include horse-race, chase, flow, trail or gradual change style.



LW-J-R9

Specifications:

- Ultrathin RF Remote Controller
- Working temperature : -30℃~55℃;
- Working Voltage : DC3V;
- Working Current; < 5mA
- Input signal: RF2.4GHz
- Product size : 58.5mm\*107mm;

Packing:

- 1, Apply to RGB or RGBW LED controller.
- 2,Each remote can match one or more receiver.
- 3,CR2032 battery powered.
- 4,Operate with LED indicator light.
- 5,1 zone RGB or RGBW/27 key/Wireless remote 30m distance/CR2032 battery



LW-J-SA

Specifications:

- SPI Signal Splitter
- Working temperature : -30℃~55℃;
- Working Voltage : DC5V~24V;
- Input Current: 0.5A Max;
- Input signal: 1 group SPI (TTL) signal
- Output signal: 2 group SPI (TTL) signal
- Product size : 52mm\*52mm\*26mm;

Packing:

- 1, Split 1 group SPI signal (data+clock) to 2 group SPI signals
- 2, Used with SPI controller, applied to synchronous control multiple SPI digital RGB or RGBW LED strips.



LW-SP107E

Specifications:

- Plastic shell Bluetooth music Controller
- Working temperature : -20℃~60℃;
- Working Voltage : DC5V~24V;
- Working Current : 18mA~45mA;
- Remote distance : 20 Meters;
- Product size : 85mm\*45mm\*22mm;
- Product weight : 40g ;

Packing:

- 1. Long distance APP remote control via Bluetooth;
- 2. Support almost every kind of one-wire or two-wires LED driver IC ;
- 3. Support setting pixel number and segment number, support up to 960 pixels;
- 4. With 18 kinds of LED strip music effects, 30 kinds of LED matrix music effects and 180 kinds of non-music effects;
- 5. DC5V~24V wide range working voltage, reverse power supply input protection;
- 6. User setting saving.



LW- SP511E

Specifications:

- Smart Speaker Music Addressable LED Controller
- Working Temperature:-20℃~60℃ ;
- Working Voltage:DC5V~24V ;
- Dimensions: 60mm\*30mm\*14mm ( Without wire ) ;
- Remote control Dimensions: 125mm\*56mm\*7.5mm ;
- Operating current:15mA~65mA ;

Packing:

- 1.WIFI fast access technology, remote control via Internet;
- 2. Supports APP control, IR remote control and Buttons control, both iOS and Android are available;
- 3.Support Amazon Alexa and Google home smart speakers;
- 4.8 dynamic LED effects and 8 solid color scenes can be called via voice commands directly;
- 5. Built-in 8 music effects and 180 non-music dynamic effects with adjustable brightness and speed;
- 6.Support change device name ,reorder the RGB order, OTA firmware update;
- 7.Support common single-wire LED driver ICs in the market, support up to 900 pixels;
- 8.DC5~24V wide voltage input, with power supply anti-reverse connection function;
- 9.With the function of automatically saving setting parameters.



LW-SP611E

Specifications:

- Bluetooth Music Pixel LED Controller
- Working temperature:-20℃~60℃
- Working Voltage:DC5V~24V ;
- ControllerDimensions:60mm\*30mm\*14mm(not including the wires)
- Remote control Dimensions: 125mm\*56mm\*7.5mm ;
- Operating current:15mA~65mA ;

Packing:

- 1. Supports both APP control and IR remote control;
- 2. Support automatic device connection and automatic re-connection when the APP turns on;
- 3. Support multiple devices grouping control;
- 4. Multiple sound collection methods: phone mic, player streaming, on-board mic;
- 5. Support modifying the device name, calibrate the RGB channel sequence, and timer function;
- 6. Compatible with the common single-line LED driver IC on the market, can drive up to 600 pixels;
- 7. Built-in 142 dynamic effects, effect length adjustable, with favour effects collecting function;
- 8. Built-in 18 music effects, effect length adjustable, sensitivity adjustable;
- 9. DC5~24V wide voltage input, the power supply has anti-reverse connection function;
- 10. Automatic saving function for setting parameters.

# Non-waterproof Driver



60W DRIVER

Description	Model: S-50-5	Model: S-60-12	Model: S-48-24
Input Voltage	220-240V	220-240V	220-240V
DC Voltage	5V	12V	24V
Rated Current	10A	5A	2A
Rated Power	50W	60W	48W



100W DRIVER

Description	Model: S-100-5	Model: S-100-12	Model: S-75-24
Input Voltage	220-240V	220-240V	220-240V
DC Voltage	5V	12V	24V
Rated Current	20A	8A	3A
Rated Power	100W	100W	75W



150W DRIVER

Description	Model: S-150-5	Model: S-150-12	Model: S-120-24
Input Voltage	220-240V	220-240V	220-240V
DC Voltage	5V	12V	24V
Rated Current	30A	13A	5A
Rated Power	150W	150W	120W



200W DRIVER

Description	Model: S-200-5	Model: S-200-12
Input Voltage	220-240V	220-240V
DC Voltage	5V	12V
Rated Current	40A	17A
Rated Power	200W	200W

# Waterproof Driver



60W DRIVER

Description	Model: 12V60W-C2	Model: 24V60W-C2
Input Voltage	180-265V	180-265V
DC Voltage	12V	24V
Rated Current	5A	2.5A
Rated Power	60W	60W



100W DRIVER

Description	Model: 12V100W-C3	Model: 24V100W-C3
Input Voltage	180-265V	180-265V
DC Voltage	12V	24V
Rated Current	8.3A	4.16A
Rated Power	100W	100W



150W DRIVER

Description	Model: 12V150W-C4	Model: 24V150W-C4
Input Voltage	180-265V	180-265V
DC Voltage	12V	24V
Rated Current	12.5A	6.25A
Rated Power	150W	150W



200W DRIVER

Description	Model: 12V200W-C5	Model: 24V200W-C5
Input Voltage	180-265V	180-265V
DC Voltage	12V	24V
Rated Current	16.5A	8.3A
Rated Power	200W	200W



