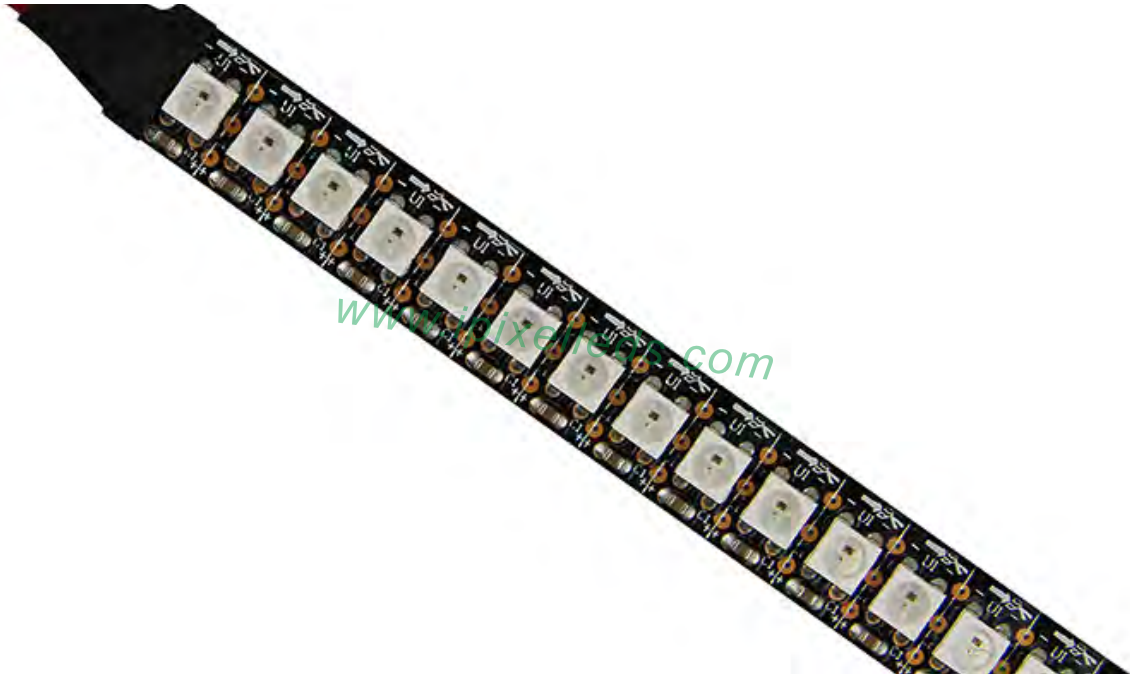## 144Pixel 12V Addressable LED Strip

CE ROHS

Product Description

This is a new chip again from worldsemi family , based on WS2812B and WS2813. To solve the chip breakdown and Strip's Voltage drop ,now we welcome WS2815.

The Flex is 144 Pixel/ LED per meter ,and 1 m in a roll we provide black and white color board. same as our other addressable tapes, it's cut-able per unit LED with a large soldering Pad which makes easy to re-solder again.

the PCB printed +12V DI ,BI, GND , both DI and BI means signal but it's only required to link the DI cable to your controller.

this PCB made by 3Ounce copper for more reliable application. 3 M tape attached on backside of strip.

again we suggested you power it every 1 meters even it's 12V addressable.

Product Datasheet

Product Number	S012144CB3SB7
Light Source	WS 2815 RGB
Beam Angle	120°
LED Quantity	144 leds/m
Emitting Color	Full color
Luminance(MCD)	R:635nm G:510nm B:470nm
PCB color	White/Black
Operating Voltage	DC12V
Power (W)	19W/M (Avg)
Size (mm)	L 1000* W 12
IP	IP 20/IP 65
Net Weight	0.13kg/roll
Operation Temperature	- 40 ~ 50 ℃

Application

Hotels ,restaurants, nights clubs, edge light	Living rooms, coffee / wine bars, back lighting
Recreational machines, playstation	TV, dancefloor background, shopping malls,

Strip IP Rate

IP20

LED
FPC

IP65

SILICON TUBE
LED
FPC

Curve Lune

Diagram2: Bend Curve

Ambient Temperature(℃)

+20°
0°
+20°
+40°

Non-waterproof
Heat shrinking tube
Silicone glue
Silicone tube
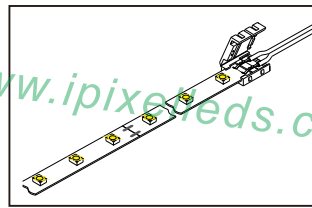Silicone U-shape tube with silicone glue

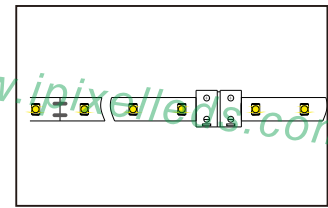20 40 60 80 100 120 150
bend radius(mm)
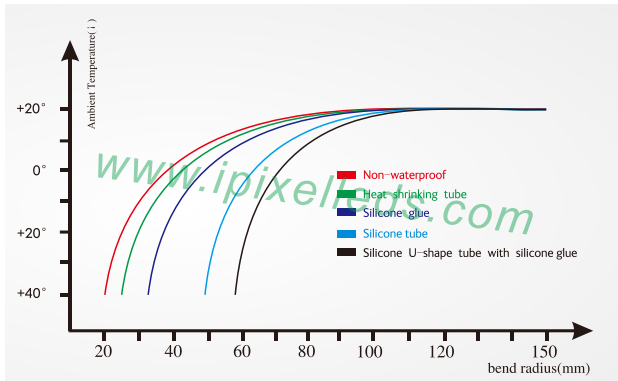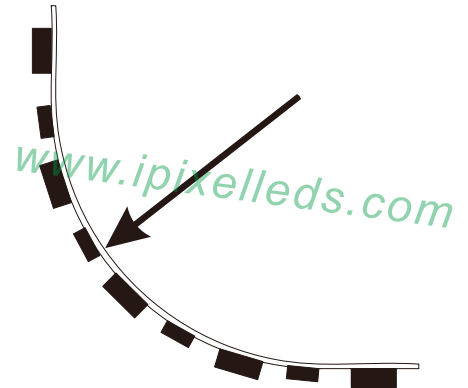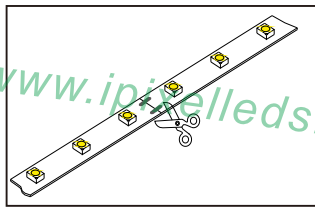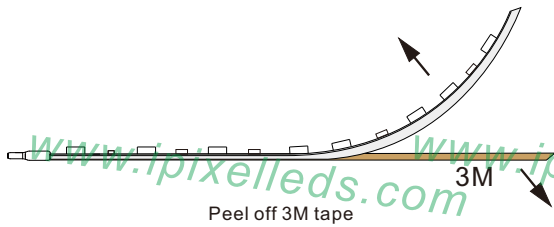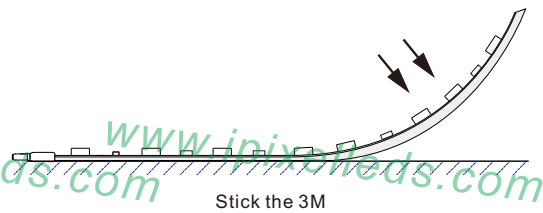
Installation

Cut in specific location

Put the PCB in the space between clip and connector, make the clips exactly aim at welding point
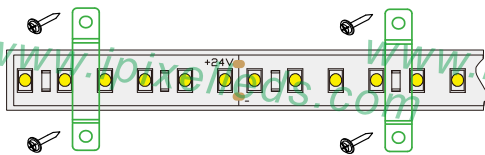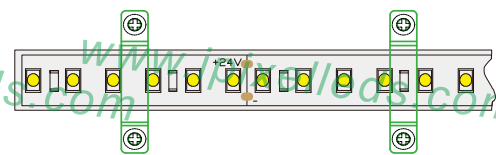

Close the cover of connector

Peel off 3M tape

Stick the 3M

Lnstall with clips

Fix with screws
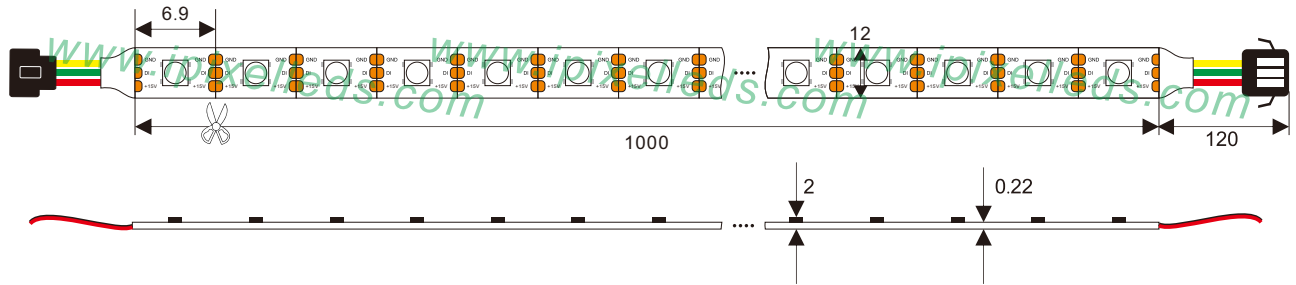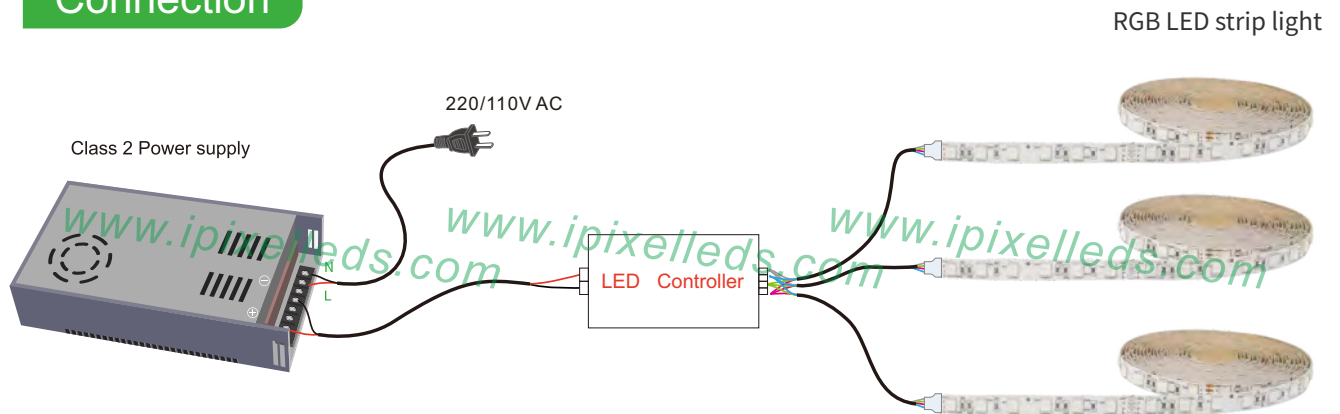
Accessories (Excluded)

Screws

Silicone clip

End cap

Outline Dimension (unit:mm)

6.9
12
1000
120
2
0.22

Connection

RGB LED strip light

220/110V AC

Class 2 Power supply

LED Controller

NOTES

1.Please apply different IP rate products according to different environment conditions;

2.Only install with Class 2 power unit

3.Do not install it when power is on.Before powering on,please make sure the wiring is correct;

4.Avoiding damaging the circuit or other component on the strip;

5.Avoid dragging,do not over bending during installation;

6.In order to get the best lighting effect,please do not connect overlong;

7.Please do not stare at the light for along time when it is working to protect your eyes;

8.Installation required by a qualified electrician

9.Supply cable – R/C (AVLV2/8), external use style, rated minimum 300 V,80 °C, minimum 22 AWG

Product packaging

| Reel | Antistatic bag | 5M/roll | 350mm 450mm 450mm | 350mm 450mm 450mm |
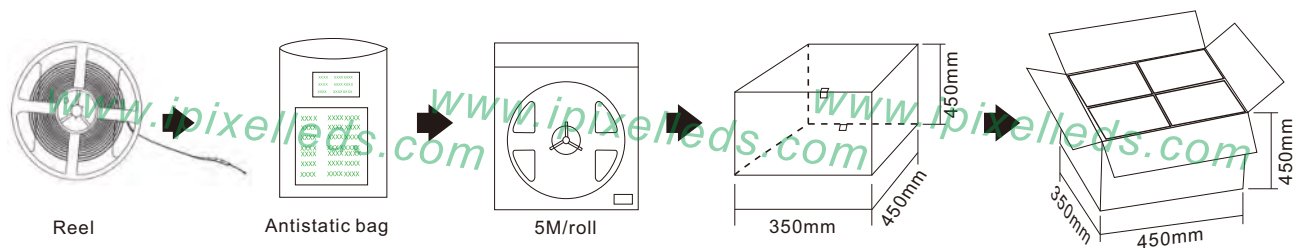
Product number	Standard length	Quantity / volume	outer carton size	Weight(kg)/reel
S012144CB3SB7(IP20)				0.13kg
/				/
/	1M	240 Reels	L450xW350xH450mm	/
/				/
/				/
/				/

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