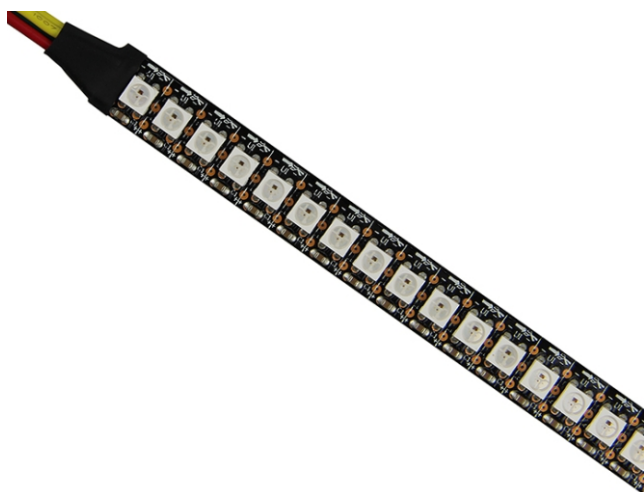


Dual Signal RT1809 RGB Addressable LED strip

DC12V 144LEDs/M



◆ 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 RT1809

The Flex is 144Pixels/ LEDs per meter, and 1m in a roll
We provide black and white color PCB

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

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

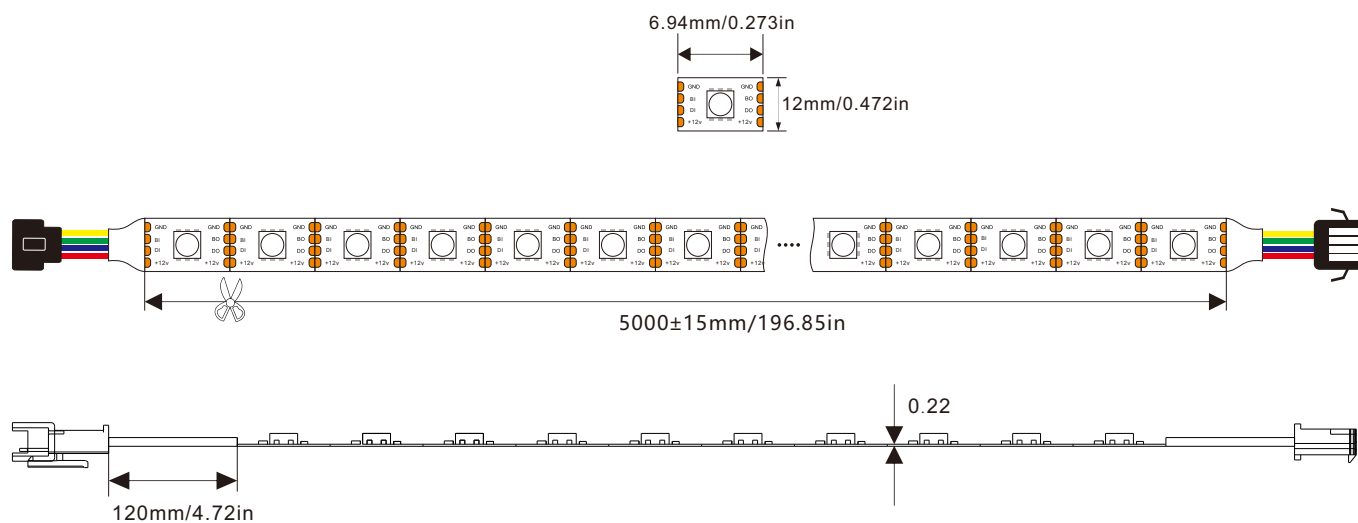
◆ Product Datasheet

Product Number	S012144CB3SD2
Operating Voltage	DC12V
Power/m	22W
SMD Type	SMD 5050
LED Qty/m	144
Cutting Length	6.94mm/1LED
Color	RGB
Luminance/m	R:102 G:362 B:102lm
Wavelength	R:615-630 G:520-535 B:450-460 nm
Control	SPI/RT1809
Pixel/M	144
Material	FPC
Beam Angle	120°
Size (mm)	5000x12mm
IP Rating	IP20/IP65
Operation Temperature	- 25 ~ 60°C

Remarks:

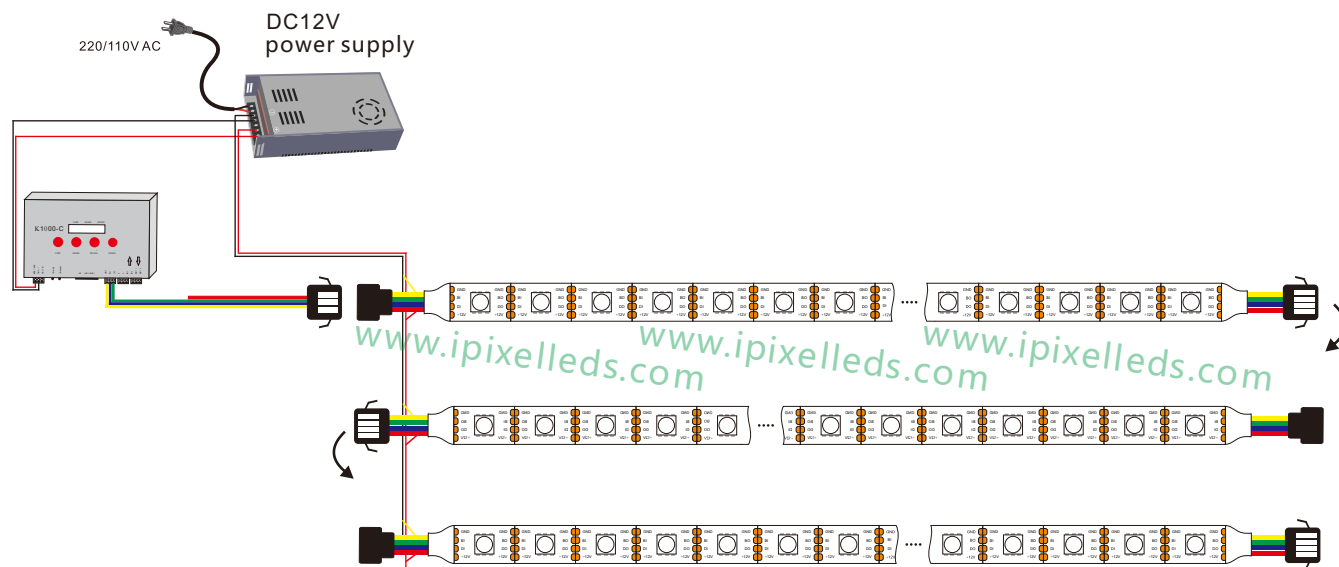
- 1.The above parameters were tested according to integrating sphere TM-30-15.
- 2.The output data is based on IP20 and one merter.
- 3.The data such as power etc, $\pm 15\%$ tolerance is normal.
- 4.IP protection process causes changes in size, CCT and luminous flux.

Outline Dimension (unit:mm)



— GND
— BI
— DI
— +12V

Wiring diagram



IP Rating



◆ Related products:

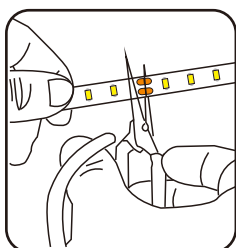


Power supply
LRS-350-12

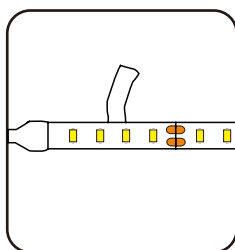


SD card controller
K-1000C

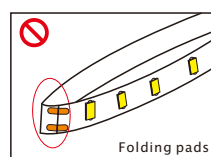
◆ Installation method:



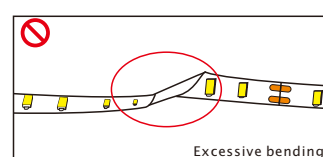
Can be cut



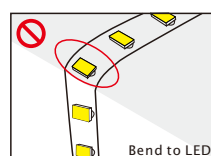
Tear off the 3M adhesive as need



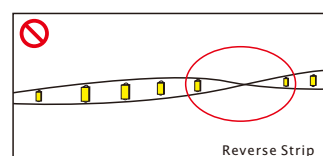
Folding pads



Excessive bending



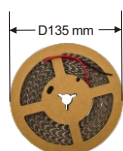
Bend to LED



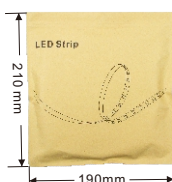
Reverse Strip

Distortion(Wrong)

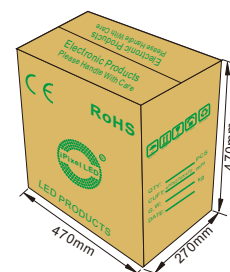
◆ Product packaging



Reel



Antistatic bag



Note: The parameters are subject to change without notice!