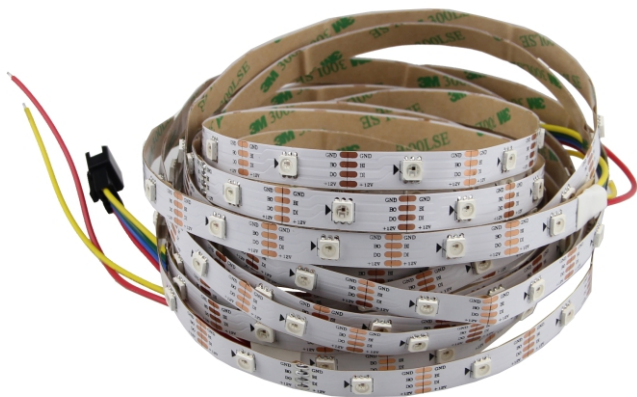


## RT1809 RGB 12V Addressable LED strip 30LEDs/m



### ◆ 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 30pixels/ LED per meter, and 5m in a roll  
It's cut-able per unit LED with a large soldering Pad which makes easy to re-solder again

This PCB made by 3Ounce copper for more reliable application

3M tape attached on backside of strip

Again we suggested you power it every 5 meters even it's 12V addressable



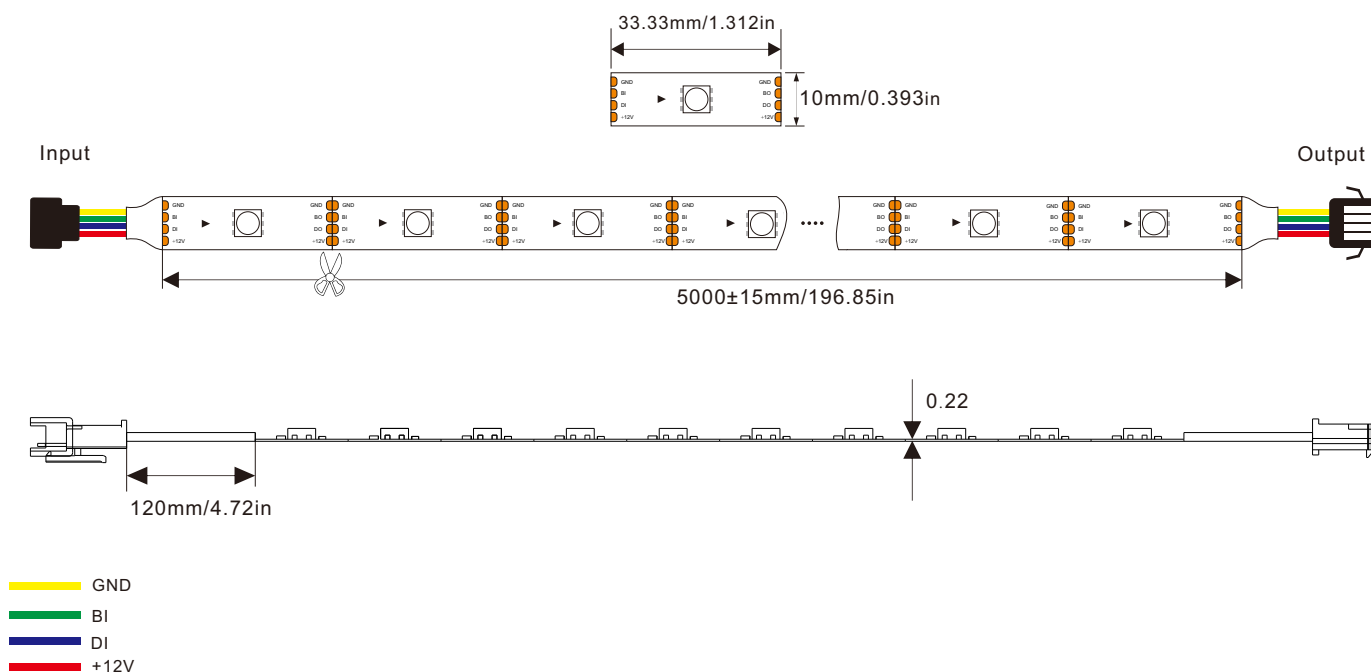
### ◆ Product Datasheet

|                       |                                  |
|-----------------------|----------------------------------|
| Product Number        | S010030CB3SD2                    |
| Operating Voltage     | DC12V                            |
| Power/m               | 4.5W                             |
| SMD Type              | SMD 5050                         |
| LED Qty/m             | 30                               |
| Cutting Length        | 33.33mm/1LED                     |
| Color                 | RGB                              |
| Luminance/m           | R:29 G:110 B:29lm                |
| Wavelength            | R:615-630 G:520-535 B:450-460 nm |
| Control               | SPI/RT1809                       |
| Pixel/M               | 30                               |
| Material              | FPC                              |
| Beam Angle            | 120°                             |
| Size (mm)             | 5000x10mm                        |
| IP Rating             | IP20/IP65                        |
| Operation Temperature | - 25 ~ 60°C                      |

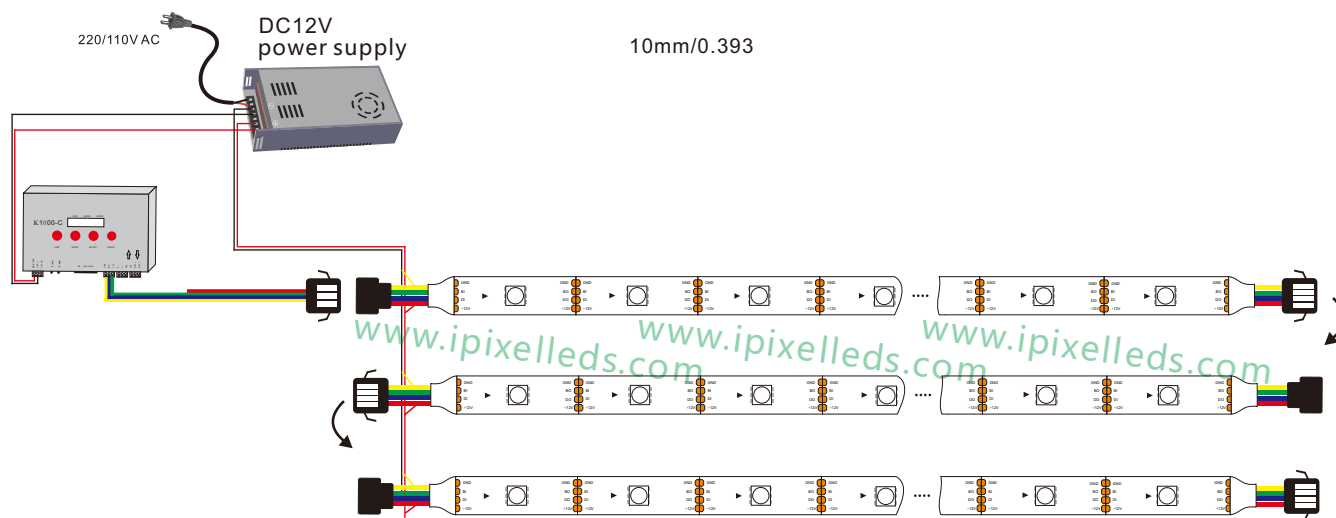
#### Remarks:

- 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)



## Wiring diagram



## IP Rating



## ◆ Related products:

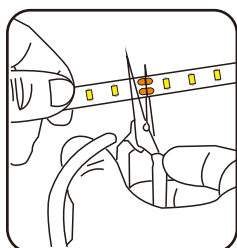


Power supply  
LRS-350-12

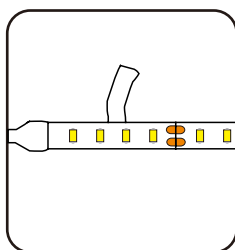


SD card controller  
K-1000C

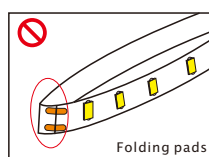
## ◆ Installation method:



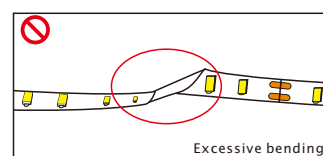
Can be cut



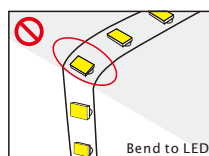
Tear off the 3M adhesive as need



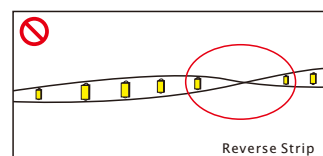
Folding pads



Excessive bending



Bend to LED



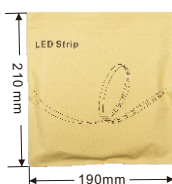
Reverse Strip

Distortion(Wrong)

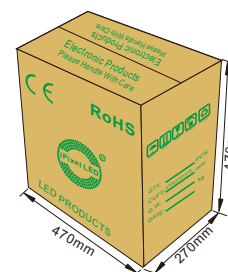
## ◆ Product packaging



Reel



Antistatic bag



Note: The parameters are subject to change without notice!