SPECIFICATION

Part No.: HD105 RGBW LED Strip

---- The Upgrade of WS2815 RGBW

NEWSTAR LED Lighting

Product Photo

NEWSTAR LED Co., Ltd
LED Lighting Manufacturer In China
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Phone: +86-755-2940-5686
E-mail: info@newstarleds.com
http://www.addressableledstrip.com

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Features

HD105 RGBW LED Strip use the FPCB (flexible printed circuit board) to be assembly circuit boards,use SMD LED lights and components to be assembled, so that the thickness of the product only ocuppy a small space, and can be arbitrarily cut, FPC is flexible, it wound freely movable in three-dimensional space without breaking, suitable for irregular place
and narrow space of places to install, but also as any possible bending, suitable for advertising, decorative lighting, any combination of the kinds of patterns. LED Chip is built-in IC, then the components is less.

IC is designed with two data lines, two power lines, 256 gray scale, high brightness, fast data transfer, fast screen refresh, etc., with the controller, you can achieve monochrome, gradient, water, horse racing, text, numbers, chase, English, pictures, animations, video, and so on.

Products using DC12V voltage to power supply, high safety factor, using the import led chip to be the light source , high brightness, light fade is small, maintenance-free, long lifespan , energy-saving and environmental protection, based on the above characteristics,more and more people choose led strip as lighting ,decoration product .

HD105 RGBW is the upgrade of WS2815 RGBW, the main differences are as follows,

Content	HD105 RGBW LED	WS2815 RGBW LED
Refresh Rate	**16KHZ**	8KHZ
Transmission Speed	**30M**	1M

Speficication

Part No	Color	IP Grade	PCB Width	Voltage	Power
NSS-2815S30RGBW-12V	RGBW	IP20/IP65/IP67 /IP68	10	DC12V	9.6W/m
NSS-2815S60RGBW-12V	RGBW	IP20/IP65/IP67 /IP68	10	DC12V	19.2W/m
NSS-2815S96RGBW-12V	RGBW	IP20/IP65/IP67 /IP68	12	DC12V	31W/m
NSS-2815S144RGBW-12V	RGBW	IP20/IP65/IP67 /IP68	12	DC12V	46.1W/m

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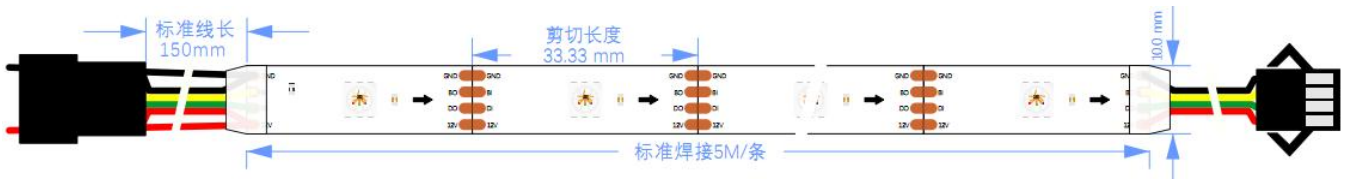
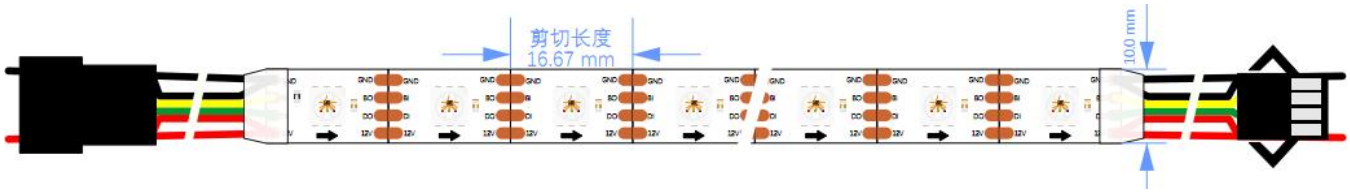
Dimensions:

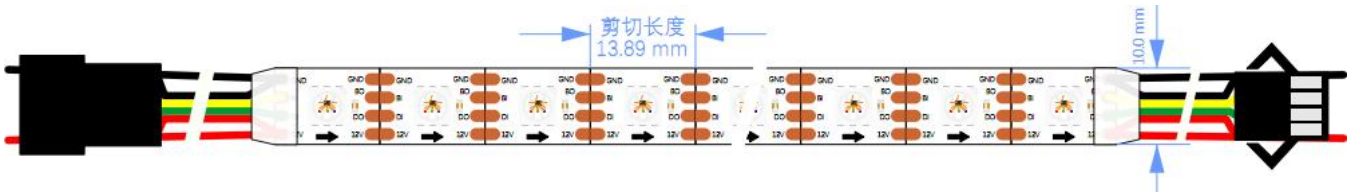
30leds/m



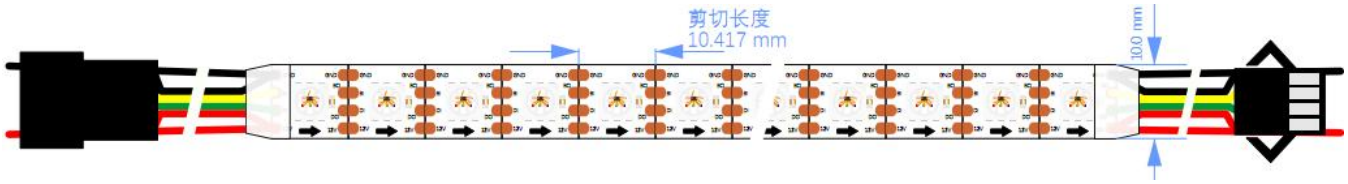
60leds/m



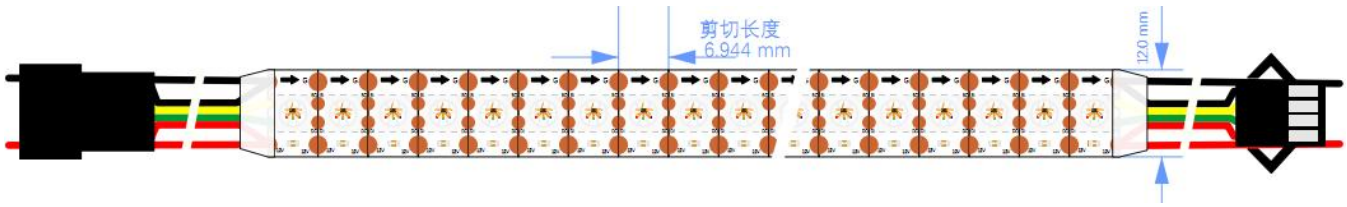
72leds/m



96leds/m



144leds/m



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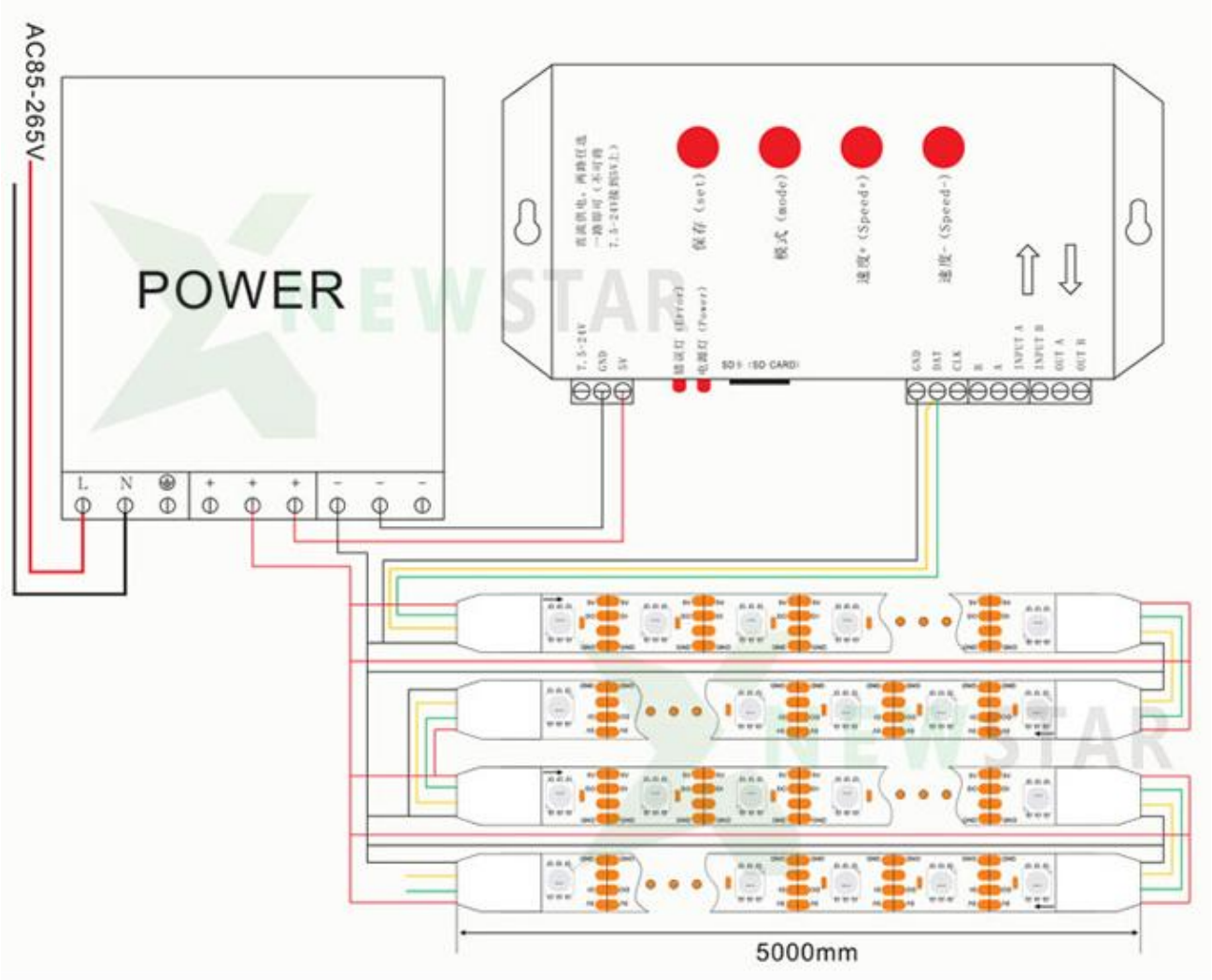
LED Strip wiring diagram



Installation

IP33 & IP65

Clean surface debris , ensure the strip surface clean

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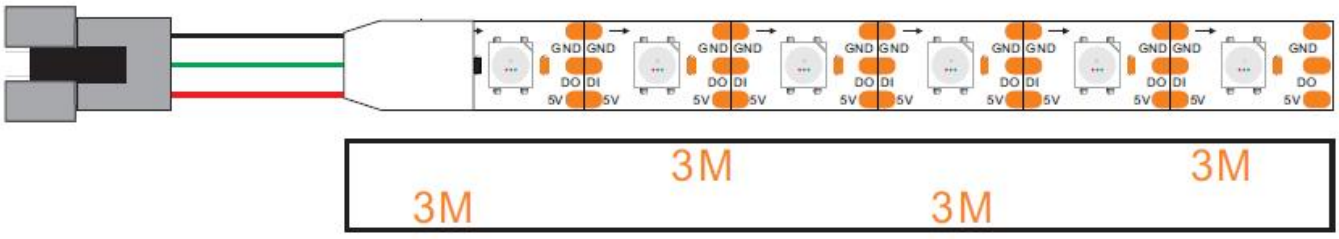
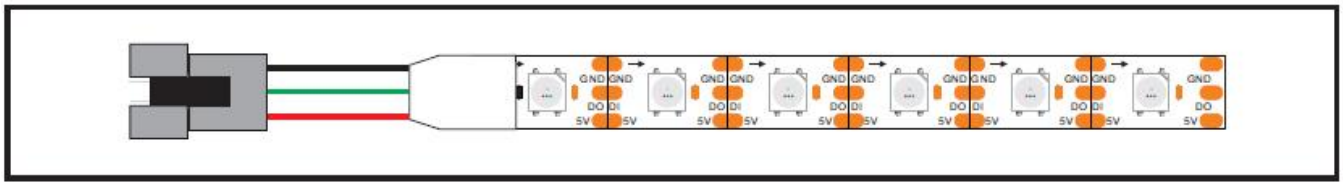


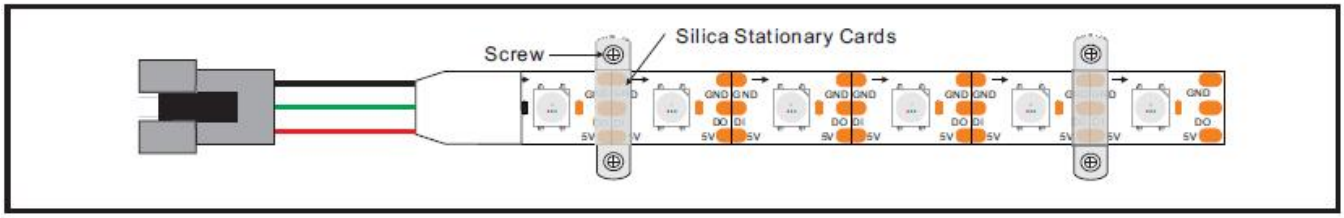
Pull the 3m paper out of the back of led strip



The lights straighten directly fixed to the mounting position

IP67 & IP68

Clean surface debris , ensure the strip surface clean



Put the led strip on install place , use screw to fixed , each meter need to use 2 silicone snap

Note:

Usually the power supply don’t have enough power than the power supply manufacturer say, power supply is recommended to use eighty percent power, power options need to be selected according to the total power of led strip, must make power supply waterproof when use in outdoor. It is better to power them each 5meter when use in series. Refer to the right wiring.

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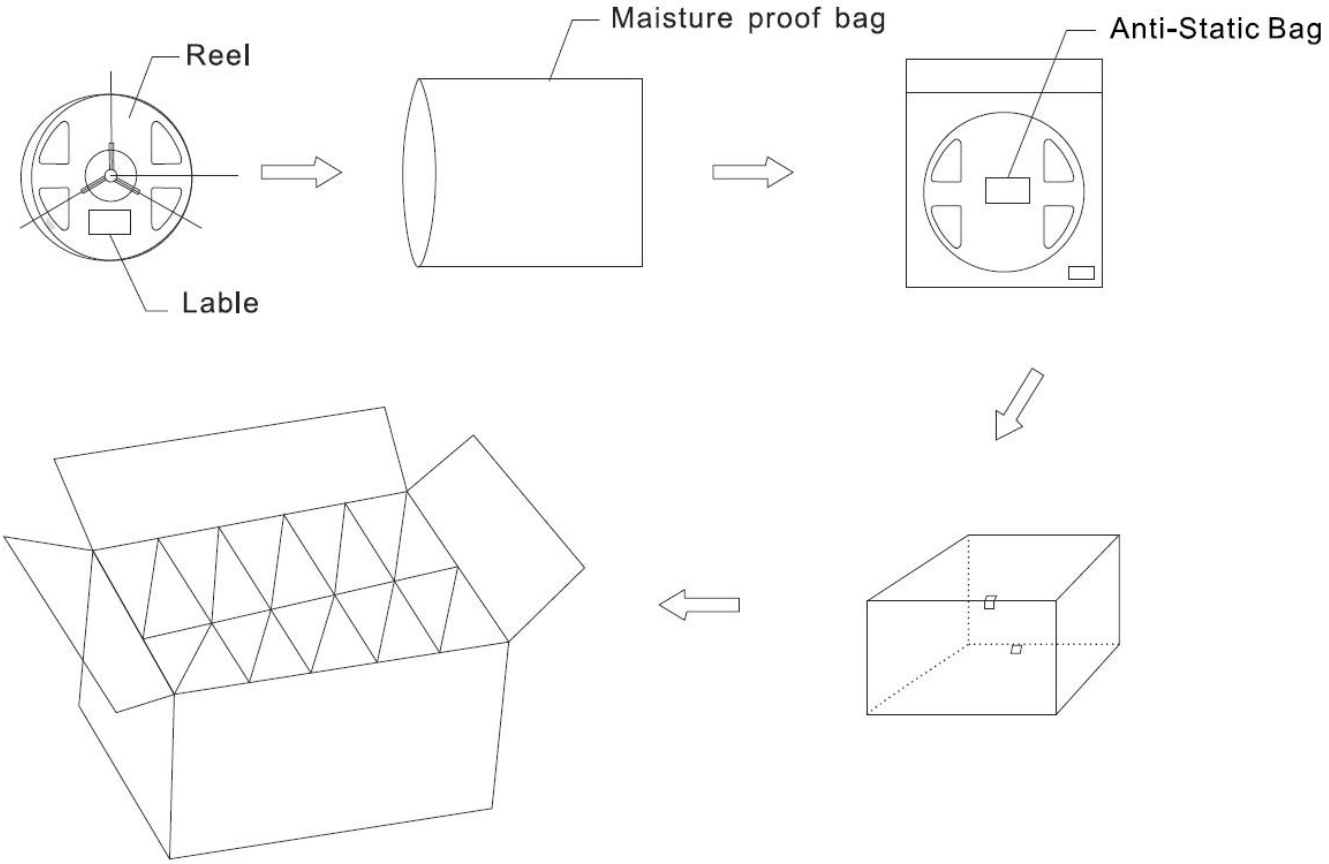
Package



Application

- Christmas/ Halloween show lighting
- For boat/barge decorations lighting
- Widely applicable as back lighting, cove lighting, decoration lighting, for home furniture, club, bar, hotel, commercial center
- Channel letter lighting using for stores, restaurants, bars
- Car interior and exterior lights
- Illumination lighting using walkway, canopy, stairway accent lighting, amusement park
- Outdoor illuminated signs and advertisements
- Other light sources