

## Datasheet

LED Strip Specification

LED strip type:  
**NF24RGB96WS2812LXTOP**

Description:  
**LuxaLight Long Life LED Neon Flex Top View WS2812B RGB  
(24 Volt, 96 LEDs, 5050, IP67)**

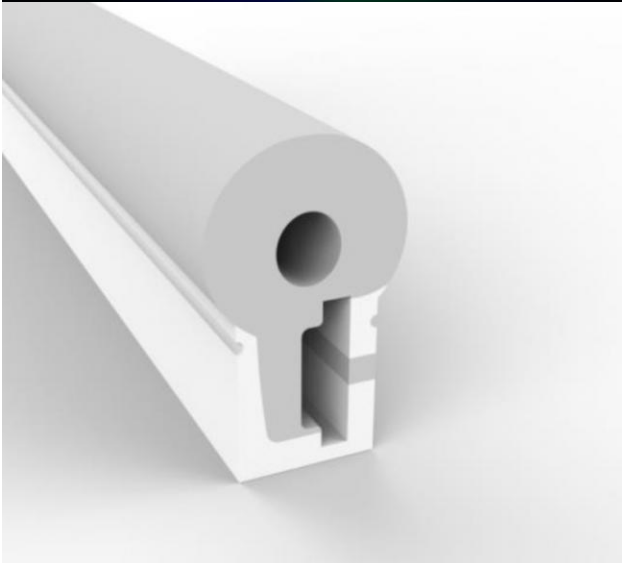


Date:  
23-04-2019

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## Features:

- Super bright WS2812B LED as the light source, high brightness, wide beaming angle with good consistent aperture and no shadow
- Use double-side imported rolled copper FPC, good folding endurance disconnected
- Low voltage DC24V, constant voltage drive
- Long life time is up to 30,000 hours
- All raw materials comply with CE, RoHs



**Parameters:**

<b>Basic Parameters</b>	
LED Type	WS2812
Color	RGB
CRI	≥ 80 Ra
Viewing Angle (θ)	180 ±5°
LED Qty	96 LEDs/ mtr
IP grade	IP67
Dimensions Reel	5000 * 13 * 23mm
Weight	105 ~ 120g / meter
Lifespan	MTBF >30,000hours

<b>Environment Parameters</b>	
Working Temperature	-25°C ~ +70°C
Storage Temperature	-20°C ~ +60°C

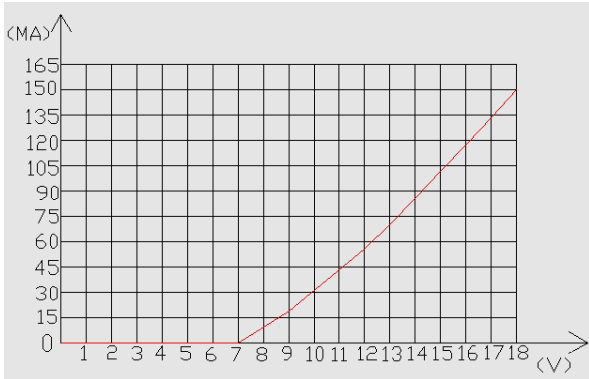
<b>Electronic Specifications</b>	
Working Voltage	DC24V
Working Current	0.4A / mtr
Working Wattage	9.6W / mtr
Driving Method	Constant Voltage

<b>Wires &amp; connection length</b>	
Wires	UL1007 20# 150mm
Length per segment	100mm
LEDs / segment	6
Standard length in serial connection	5m
Maximum length in serial connection	5m

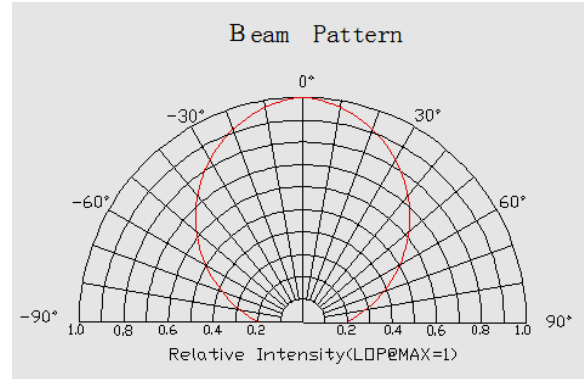
<b>Luminous Flux (Lumen/Meter)</b>	
Red	192 Lumen
Green	279 Lumen
Blue	178 Lumen

<b>Wave Length/ Color Temperature (nm/k)</b>	
Red	620~630 nm
Green	510~525 nm
Blue	455~470 nm

### Volt-ampere Characteristic Curve:



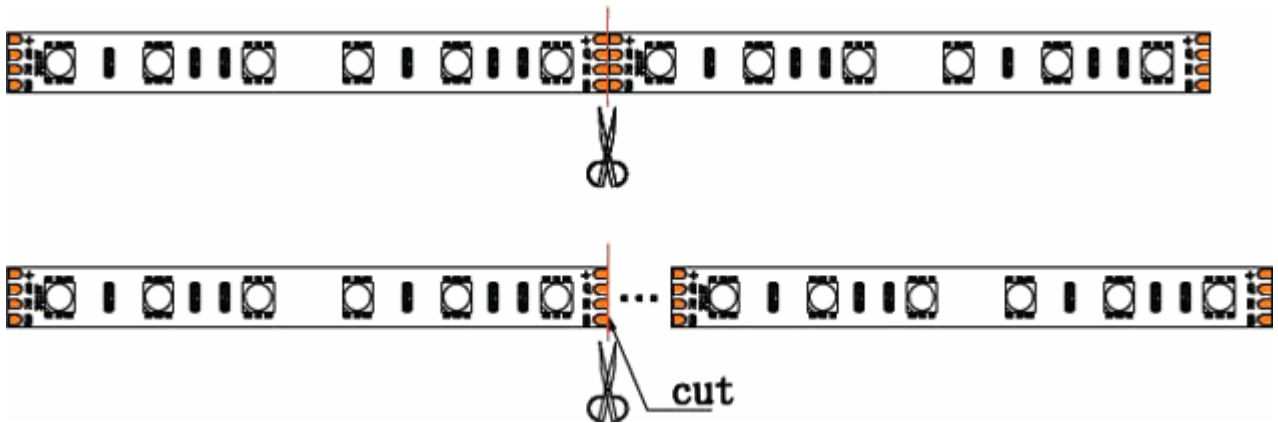
### Optical Characteristics Curve:



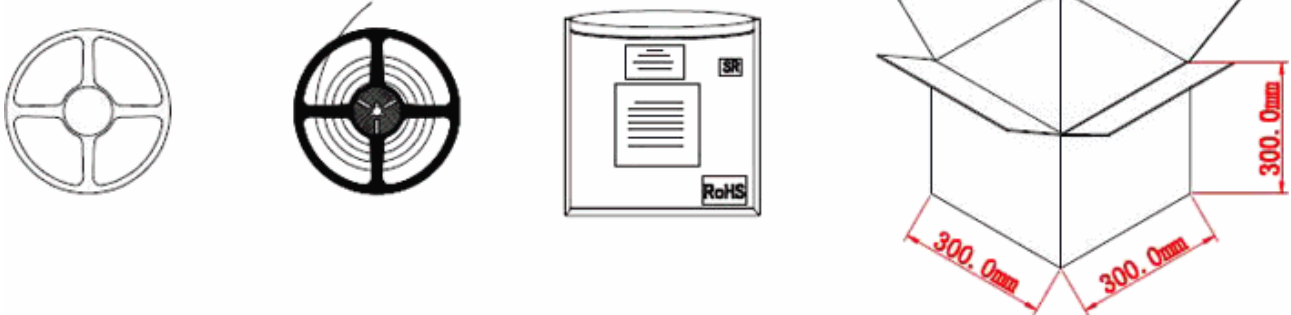
### The Materials of PCB:

Epoxy PCB with white finishing.  
Conducting Tracks: Cu, 35um thickness, double sided.

Solderings:  
Solder Alloy: 99.3 Sn, 0.7 Cu,  
Melting Temperature: 227°C  
No SVHC (17-Dec-2014)



## Packing:



## Certificate of Conformity:

EC Council Directive 2004/108/EC  
Electromagnetic Compatibility  
Registration No.: ATE20120944

## Complies to the Standards:

- EN 55015: 2006 + A1: 2007 + A2: 2009
- EN 61000-3-2: 2006 + A1: 2009 + A2: 2009
- EN 61000-3-3: 2008
- EN 61547: 2009

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