

Datasheet

LED Strip Specification

LED strip type:
NF24RGB60WS2812LXFLAT

Description:
**LuxaLight Long Life LED Neon Flex Flat View WS2812B RGB
(24 Volt, 60 LEDs, 5050, IP67)**

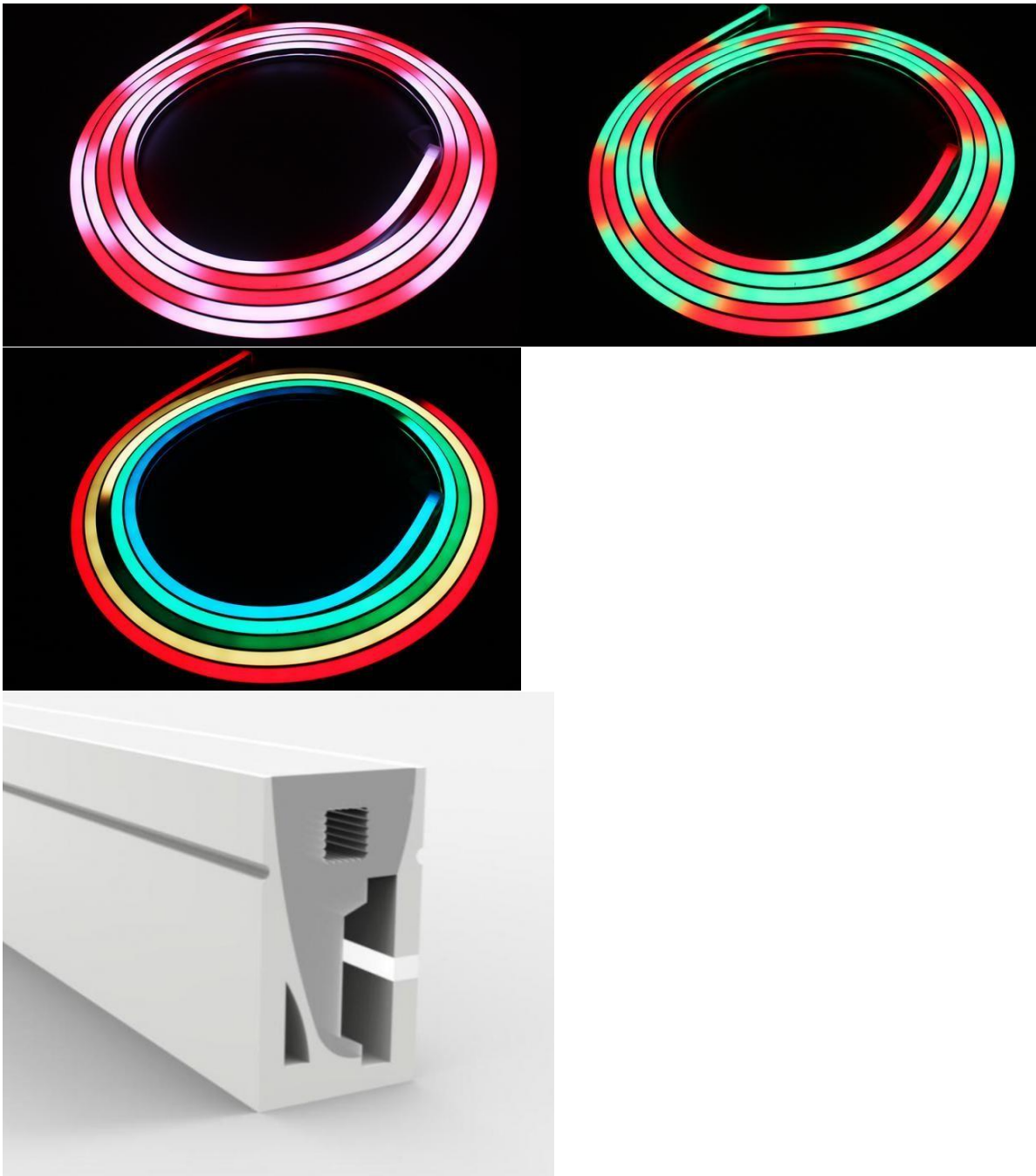


Date:
23-04-2019

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Features:

- Super bright SMD5050 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:

Basic Parameters	
LED Type	SM16703 (WS2812B)
Color	RGB
CRI	≥ 80 Ra
Viewing Angle (θ)	120 ±5°
LED Qty	60 LEDs/ mtr
IP grade	IP67
Dimensions Reel	5000 * 12 * 20mm
Weight	105 ~ 120g / meter
Lifespan	30,000hours

Environment Parameters	
Working Temperature	-25°C ~ +70°C
Storage Temperature	-20°C ~ +60°C

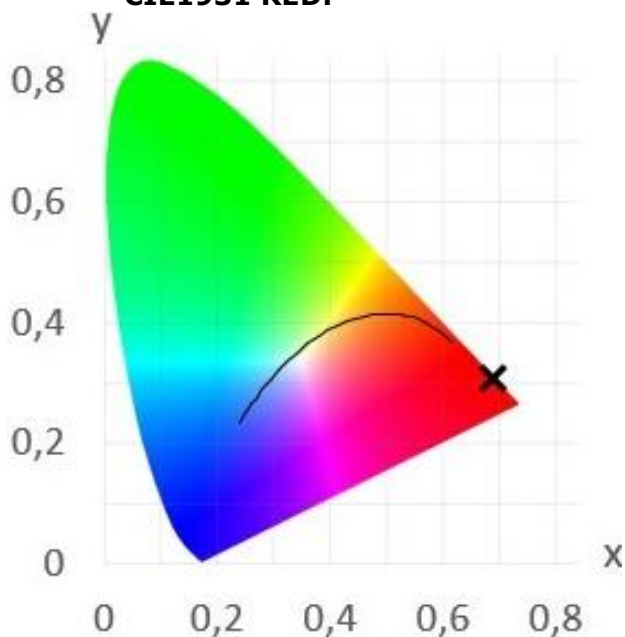
Electronic Specifications	
Working Voltage	DC24V
Working Current	0.4A / mtr
Working Wattage	9.6W / mtr
Driving Method	Constant Voltage

Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	100mm
LEDs / segment	6
Standard length on a reel	5m

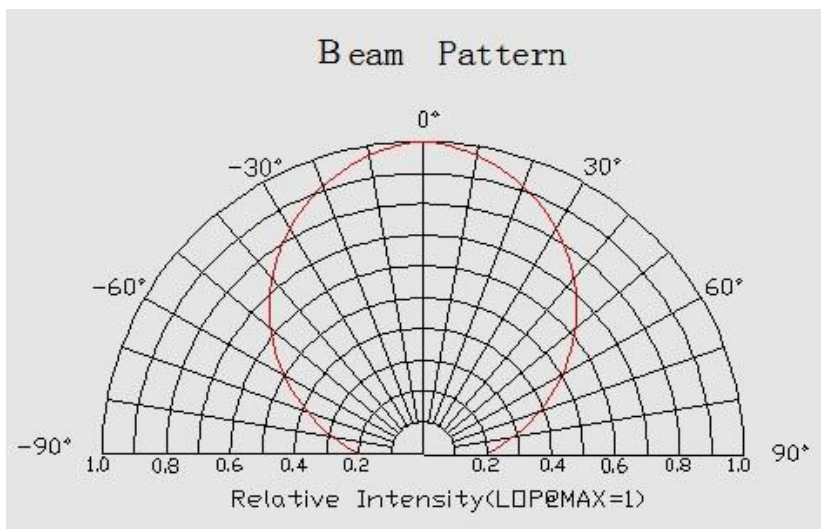
Luminous Flux (Lumen/Meter)	
Red	80 Lumen
Green	116 Lumen
Blue	71 Lumen

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

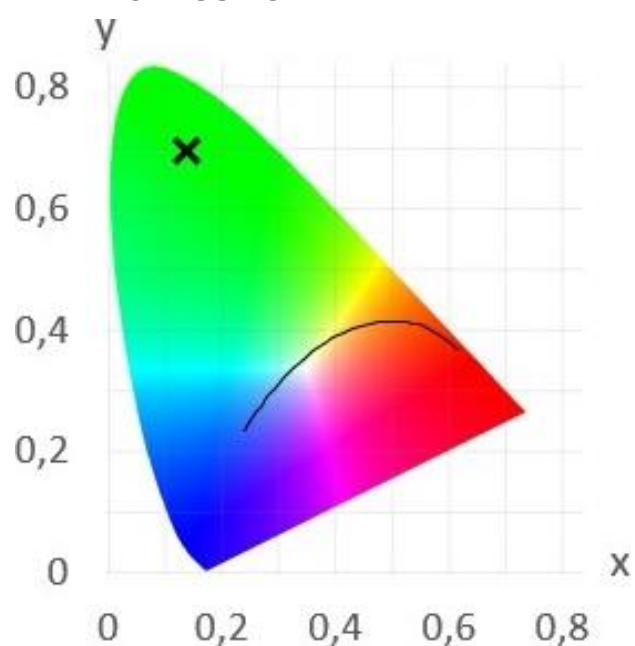
CIE1931 RED:



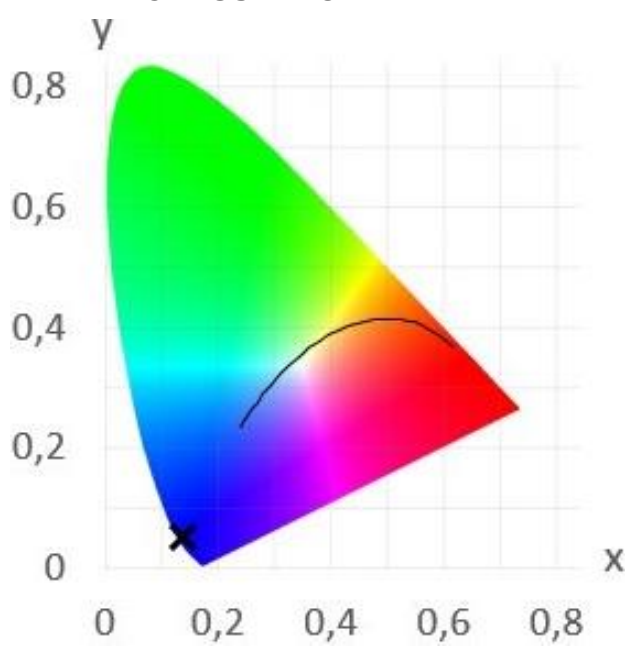
Optical Characteristics Curve:



CIE1931 GREEN:

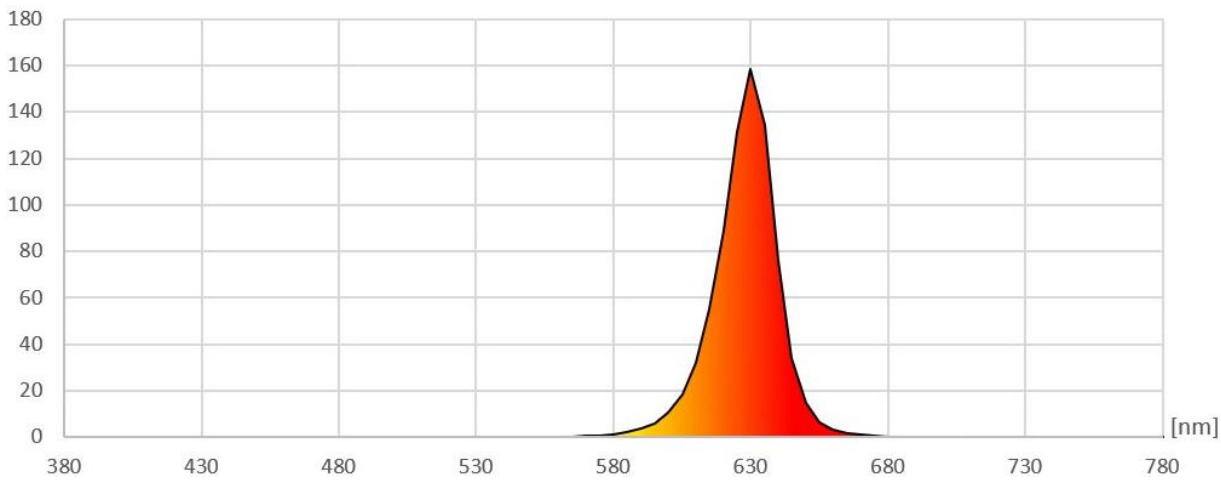


CIE1931 BLUE:



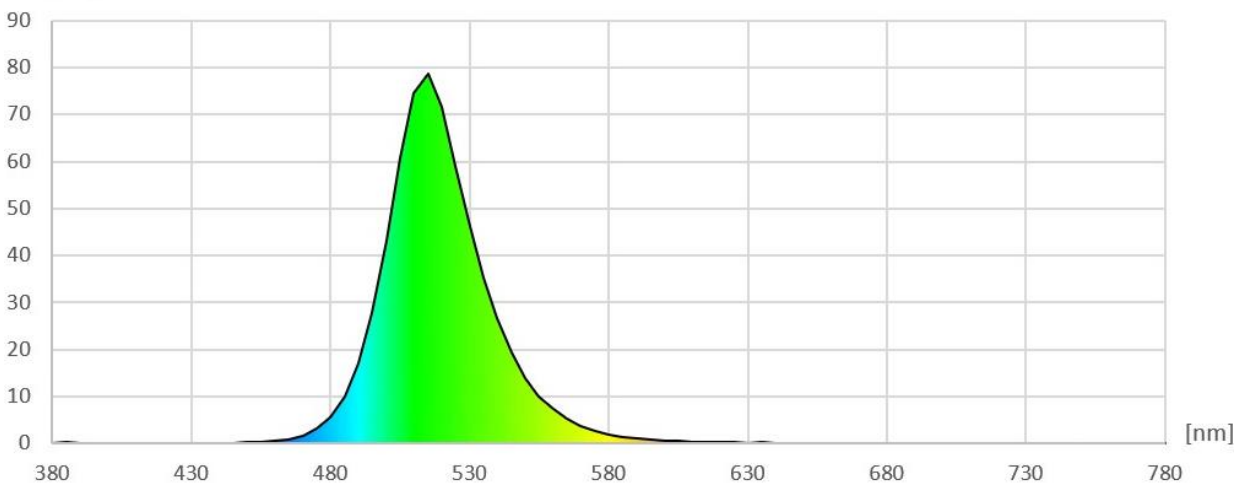
Wave Length RED:

mW/m²/nm



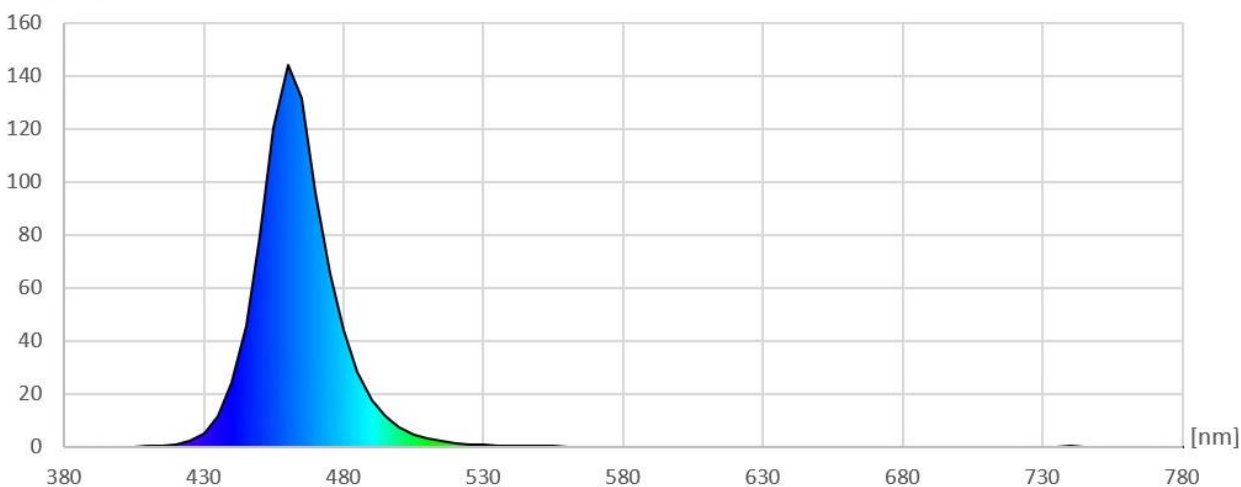
Wave Length GREEN:

mW/m²/nm



Wave Length BLUE

mW/m²/nm



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)

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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