

Datasheet

LED-strip specification

LED-strip type:
NF24RGB60SM16703LXFLAT

Description:
LuxaLight Long Life LED Neon Flex Flat View RGB SM16703
Digital SPI (24 Volt, 60 LEDs, 5050, IP67)



Date:
21-07-2021

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Basic Parameters	
LED Type	5050 SMD
Color	RGB
Viewing Angle (θ)	120 ±5°
LED Qty	60 LEDs/ mtr
Numbers of channels	3
IC type	SM16703
IP grade	IP67
Dimensions Reel	5000 * 12 * 20mm
Weight	240 ~ 260g/ meter
Lifespan	30,000 hours
BIN	3 SDCM
Warranty	2 Years

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

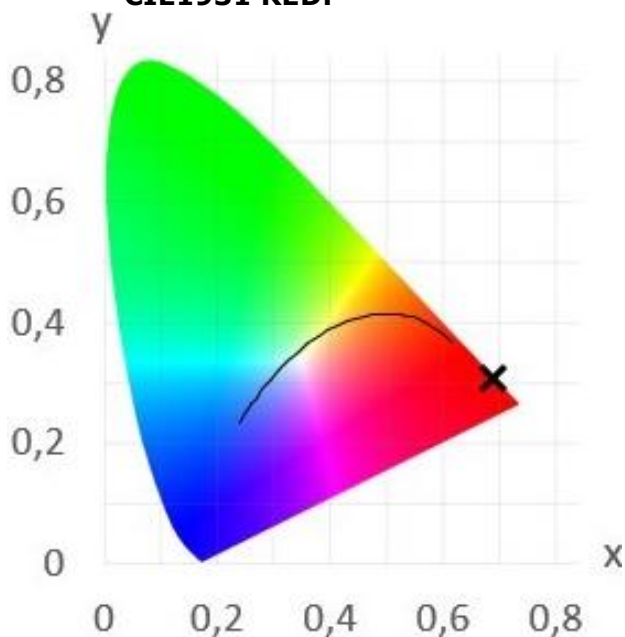
Electronic Specifications	
Working Voltage	DC24V
Working Current	0.4A/ mtr
Working Wattage	9.6W/ mtr
Driving Method	Constant Voltage

Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	100mm
LEDs / segment	6
Standard length on a reel	10m

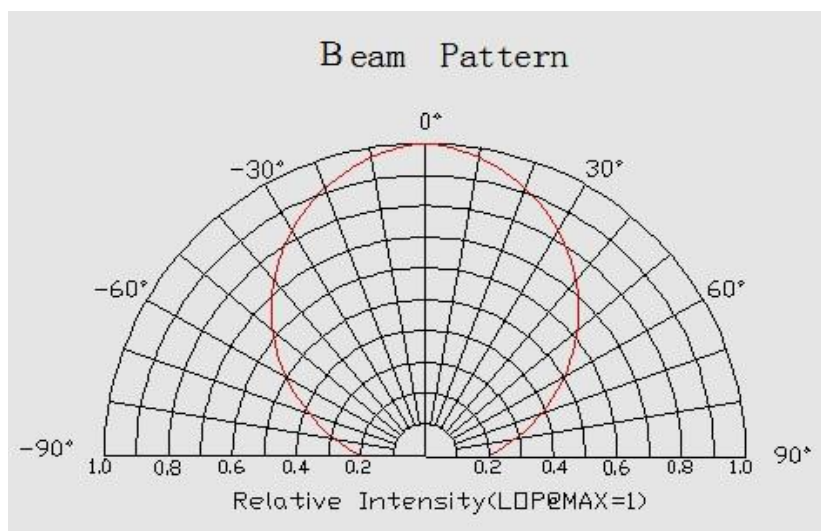
Luminous Flux (Lumen/Meter)	
Red	80 Lumen
Green	116 Lumen
Blue	71 Lumen

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

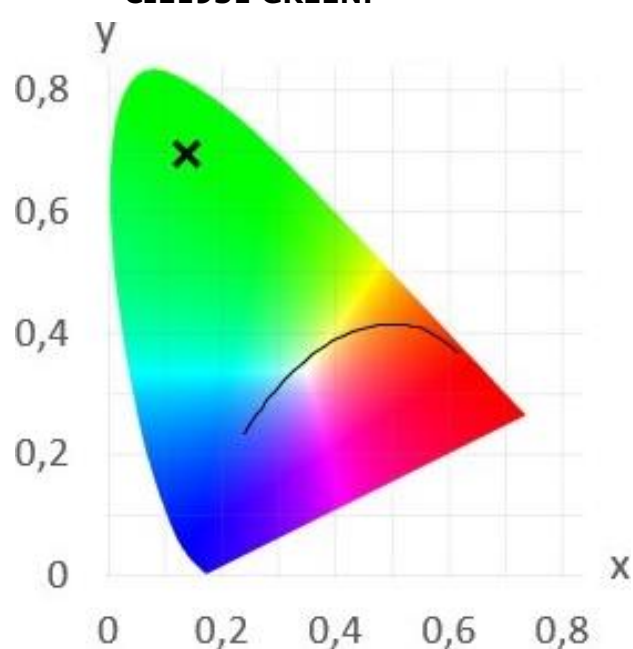
CIE1931 RED:



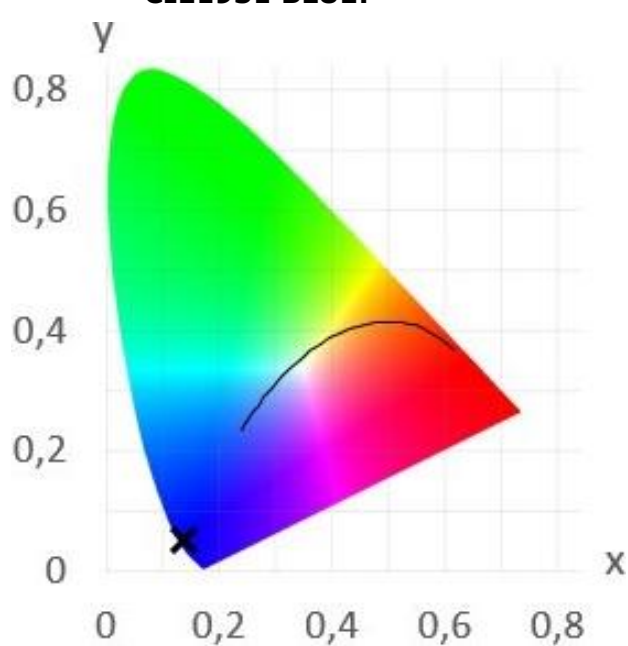
Optical Characteristics Curve:



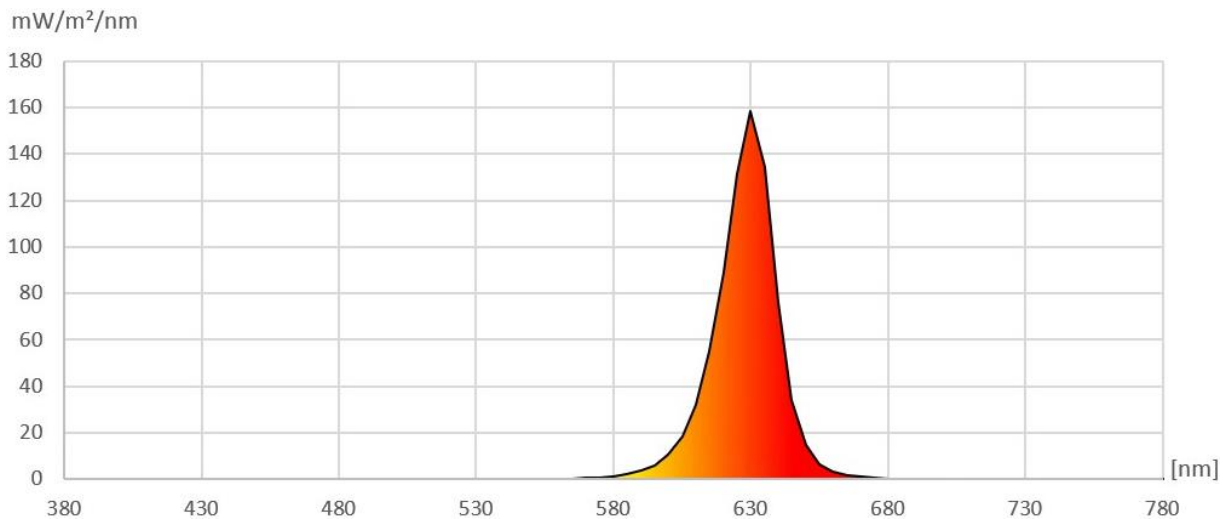
CIE1931 GREEN:



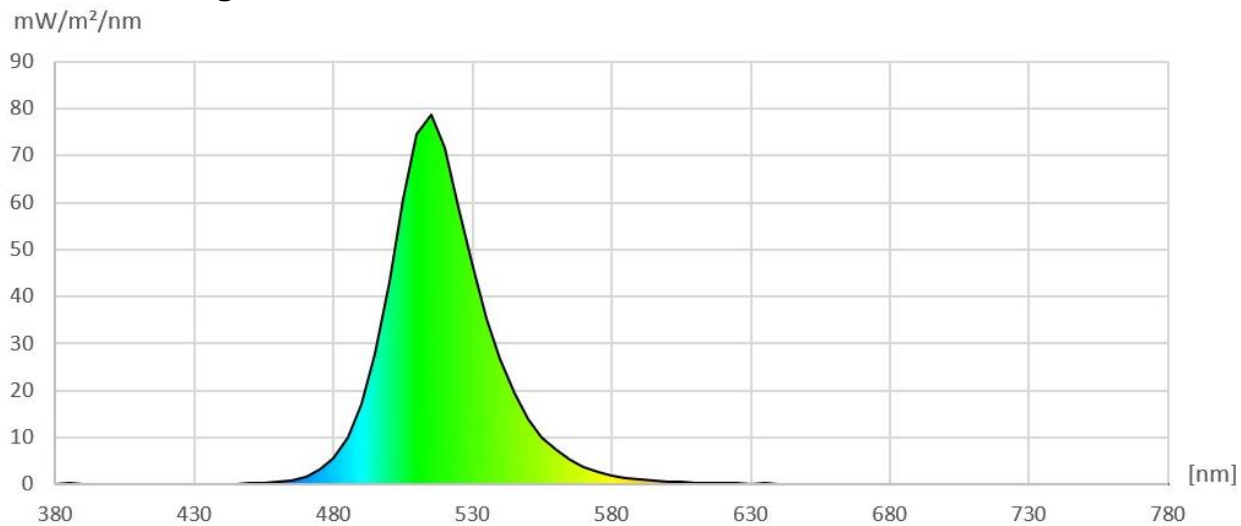
CIE1931 BLUE:



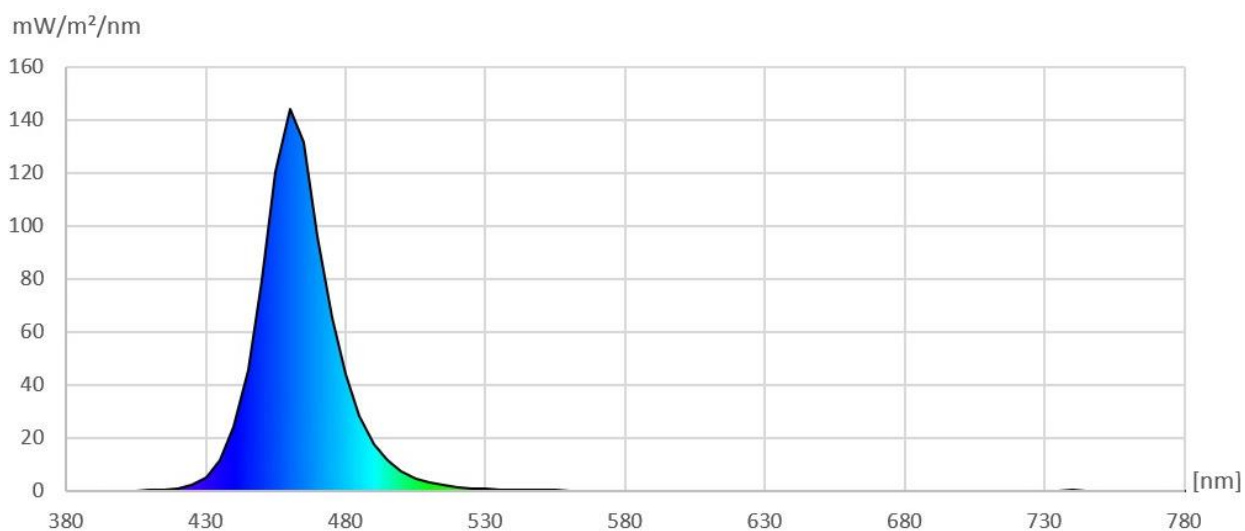
Wavelength RED:



Wavelength GREEN:



Wavelength BLUE



The Materials of PCB:

Conducting Tracks: Cu, 35um thickness, double sided.

Solderings:

Solder Alloy: 99.3 Sn, 0.7 Cu,

Melting Temperature: 227°C

No SVHC (Jan 2021)

Certificate of Conformity:

EC Council Directive 2004/108/EC

Electromagnetic Compatibility

Complies to the standards:

- EN 55015: 2019 + A1: 2015 + A2: 2009
- EN 61000-3-2: 2019 + A1: 2009 + A2: 2009
- EN 61000-3-3: 2013
- EN 61547: 2009

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