

Datasheet

LED-strip specification

LED-strip type:
NF24RGB60X5050LXFTOP

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



Date:
21-07-2021

Page 1 of 5

Basic Parameters	
LED Type	5050 SMD
Color	RGB
Viewing Angle (θ)	180 ±5°
LED Qty	60 LEDs/ mtr
IP grade	IP67
Dimensions Reel	5000 * 15 * 23mm
Weight	240 ~ 260g/ meter
Lifespan	30,000hours
BIN	3 SDCM
Warranty	2 Years

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

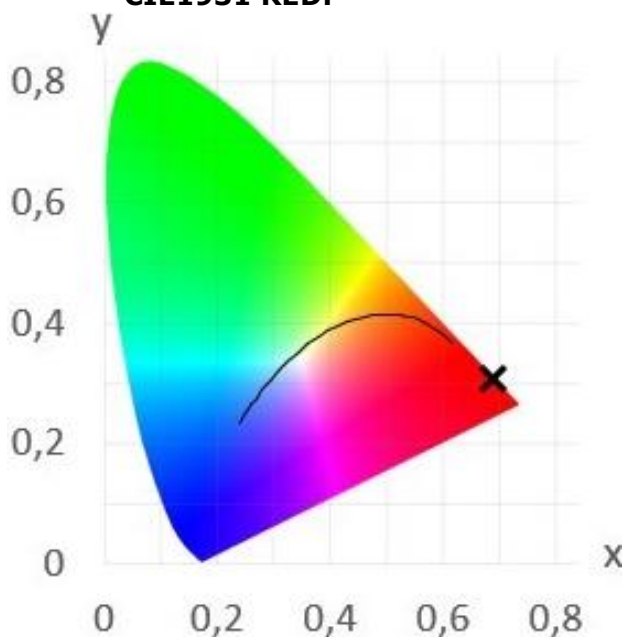
Electronic Specifications	
Working Voltage	DC24V
Working Current	0.4A/ mtr
Working Wattage	9.6W/ mtr
Driving Method	Constant Voltage

Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	100mm
LEDs / segment	6
Standard length in serial connection	5m

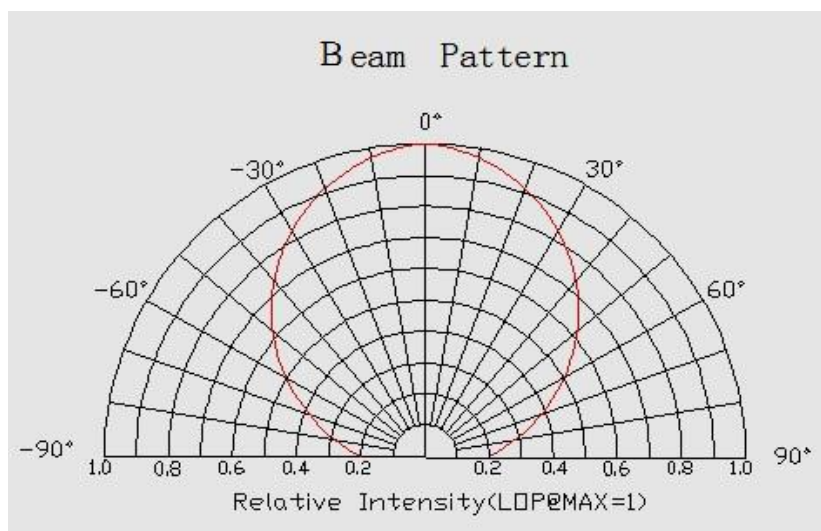
Luminous Flux (Lumen/Meter)	
Red	80 Lumen
Green	116 Lumen
Blue	71 Lumen

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

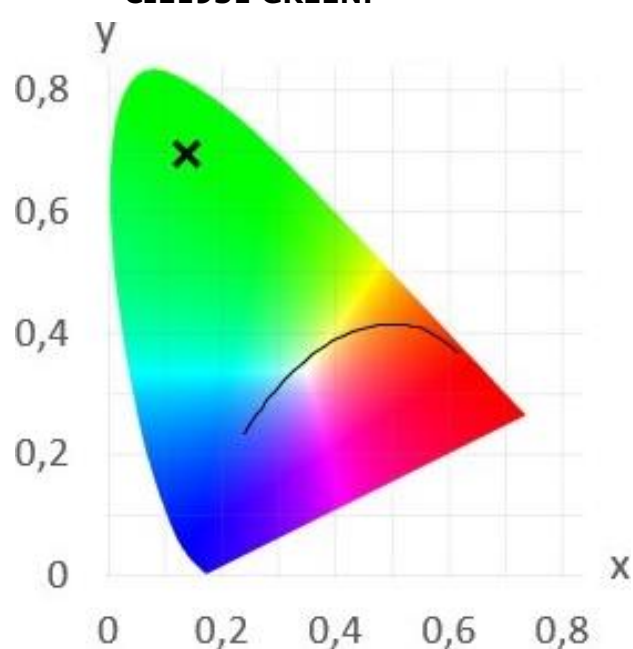
CIE1931 RED:



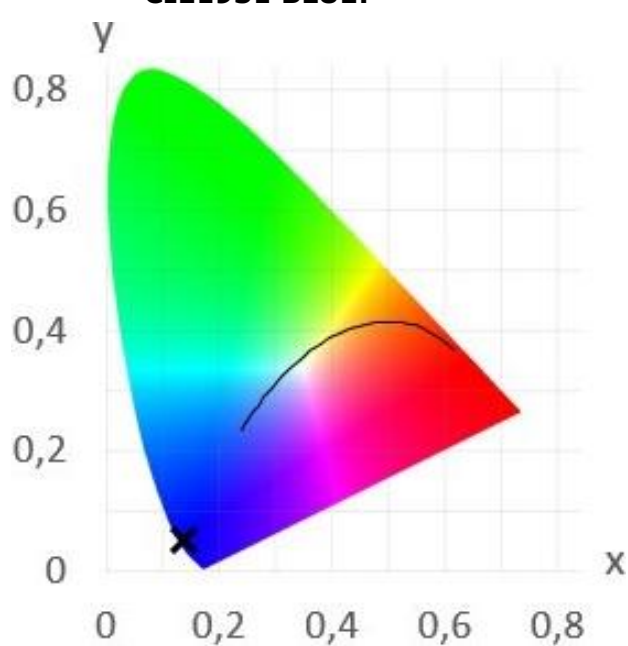
Optical Characteristics Curve:



CIE1931 GREEN:

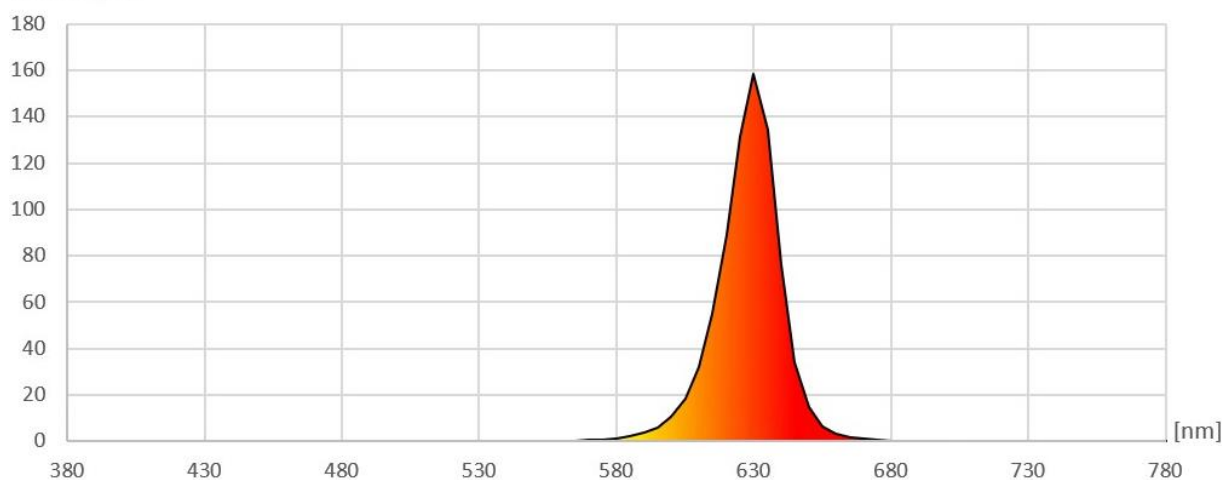


CIE1931 BLUE:



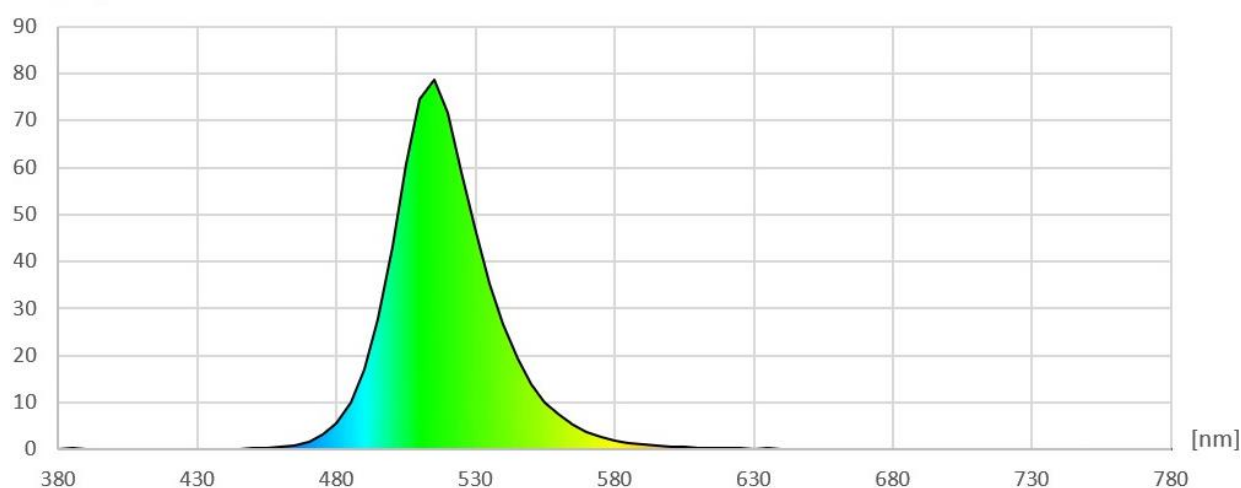
Wavelength RED:

mW/m²/nm



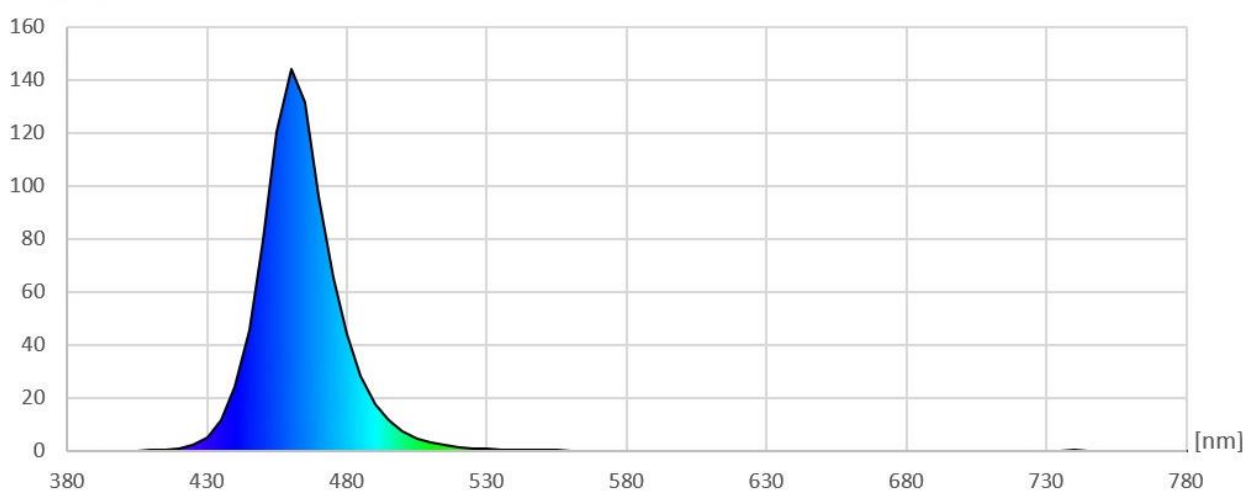
Wavelength GREEN:

mW/m²/nm



Wavelength BLUE

mW/m²/nm



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

While LuxaLight has made every reasonable effort to ensure the accuracy of the information in this brochure, LuxaLight does not guarantee that it is error-free, nor does LuxaLight make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. LuxaLight reserves the right to make any adjustments to the information contained herein at any time without notice. LuxaLight expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalogue are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult LuxaLight for the latest dimensions and design specifications.