

Datasheet

LED-strip specification

LED-strip type:
LS24RGB60X5050PLX

Description:
**LuxaLight Long Life LED-strip 24V Full Color Protected 5050
(24 Volt, 60 LEDs, 5050, IP64)**



Date:
14-12-2021

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Basic Parameters	
LED Type	5050 SMD
Color	RGB
Viewing Angle (θ)	120 ±5°
LED Qty	60 LEDs / mtr
IP grade	IP64 Silicone
Dimensions	1000 * 10 * 4mm
Weight	35 ~ 50g/ meter
Lifespan	70,000 hours
LB Value	L80B50
BIN	3 SDCM
Warranty	5 Years

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

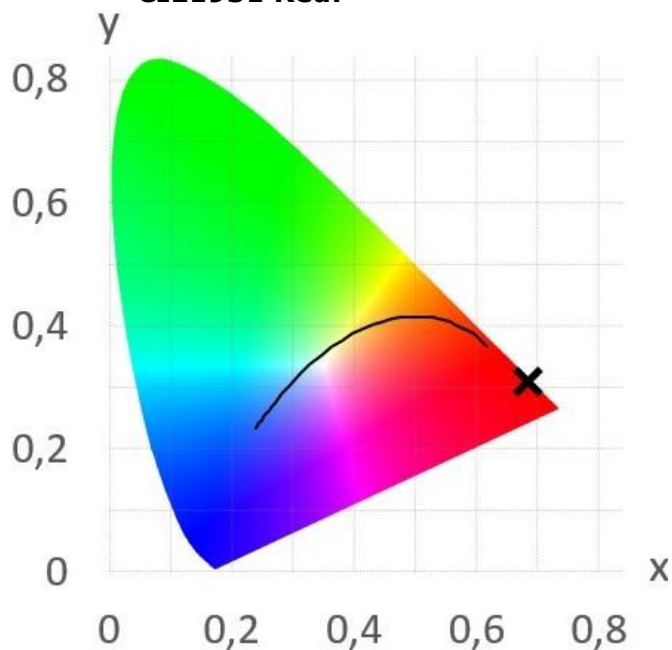
Electronic Specifications	
Working Voltage	DC24V
Working Current	3x 0.2A/ mtr
Working Wattage	14.4W/ mtr
Driving Method	Constant Voltage

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

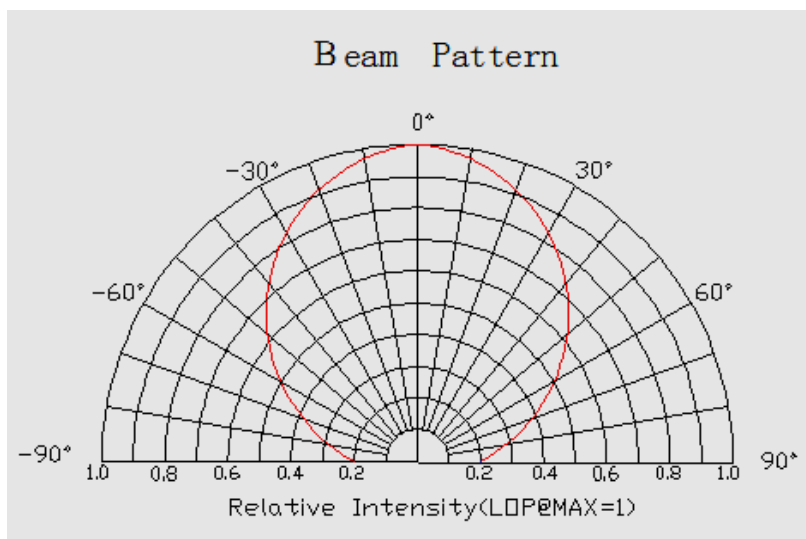
Luminous Flux (Lumen/Meter)	
Red	200 Lumen
Green	290 Lumen
Blue	185 Lumen

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

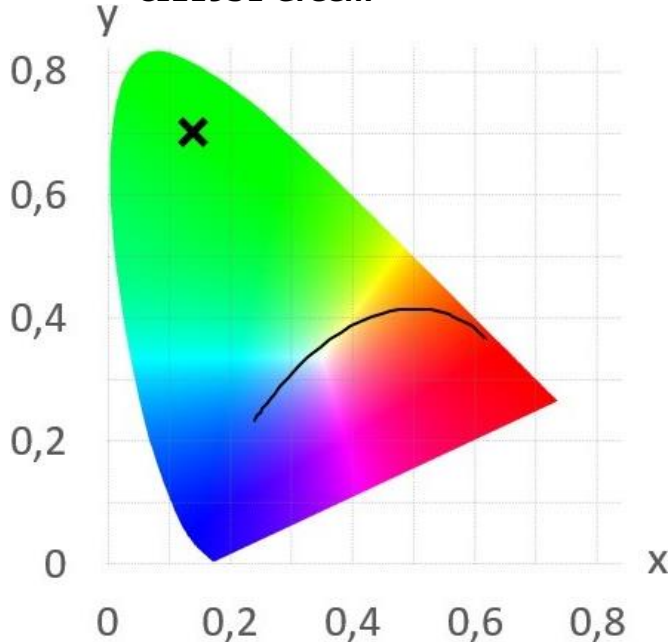
CIE1931 Red:



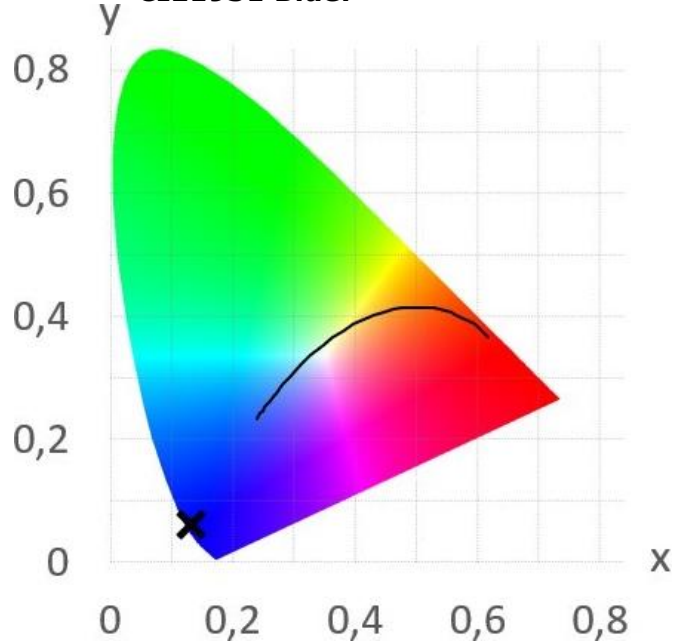
Optical Characteristics Curve:



CIE1931 Green:

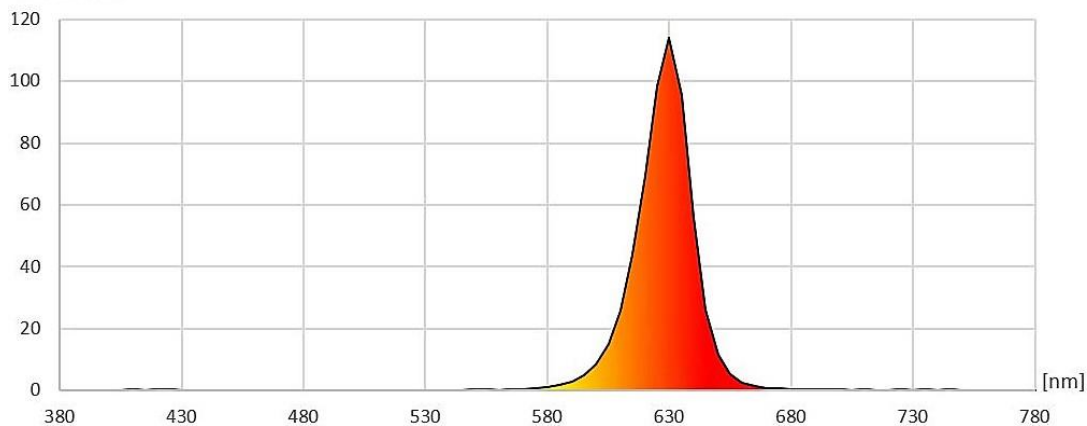


CIE1931 Blue:



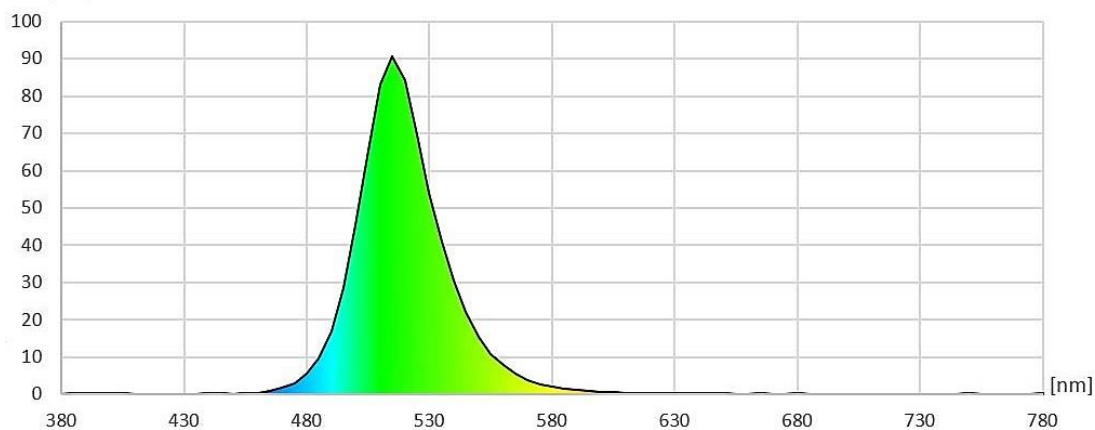
Wavelength Red:

mW/m²/nm



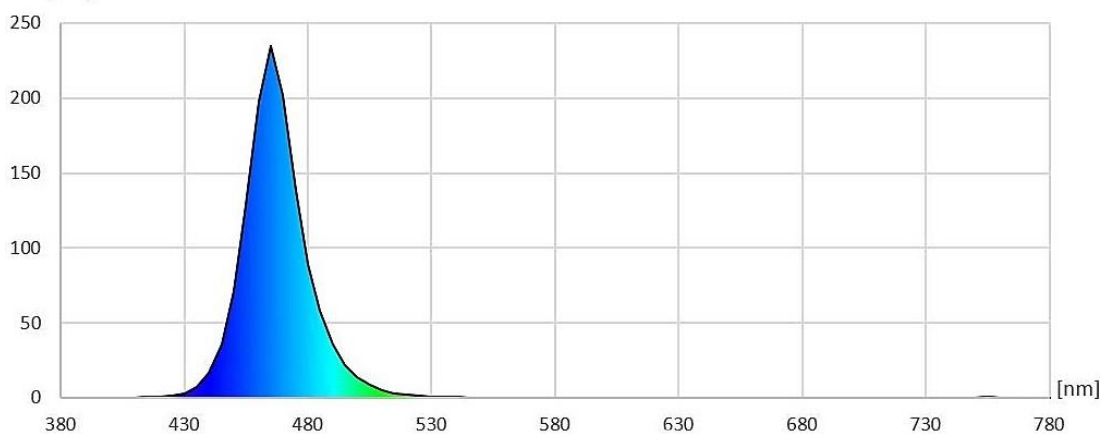
Wavelength Green:

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:

- NEN-EN-IEC 61000-3-2:2019/A1:2021
- NEN-EN-IEC 61000-3-3:2013+A1:2017+A2:2021
- NEN-EN-IEC 61547:2009

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