Datasheet

LED-strip specification

LED-strip type:
LS24RGBWW96X5050ILX

Description:
LuxaLight LED-strip 24V Full Color + Warm White 5050
(24 Volt, 96 LEDs, 5050, IP20)

Date:
14-09-2022

LuxaLight B.V.
Hastelweg 260B
5652 CN Eindhoven
Nederland

KvK-nummer: 57580561
BTW-nummer: NL852642209B01
ING bankrekening: 7815975
IBAN: NL87 INGB 0007 8159 75

Email: info@luxalight.eu
Website: www.luxalight.eu
Tel.: +31 (0)40-202 49 04

Basic Parameters	
LED Type	5050 SMD
Color	RGB+WW
CRI	≥ 85 Ra
Viewing Angle (θ)	120 ±5°
LED Qty	96 LEDs/ mtr
IP grade	IP20
Dimensions	1000 * 12 * 3mm
Mounting	3M tape VHB4905
Weight	30g ~ 40g/ meter
Lifespan	70,000 hours
LB Value	L80B50
BIN	3 SDCM
Warranty	5 Years

Environment Parameters	
Working Temperature	-20°C ~ +50°C
Storage Temperature	-20°C ~ +60°C

Electronic Specifications	
Working Voltage	DC24V
Working Current	4x 0.32A/ mtr
Working Wattage	30.72W/ mtr
Driving Method	Constant Voltage

Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	62.5mm
LEDs / segment	6
Standard length on a reel	10m

Luminous Flux (Lumen/Meter)	
Red	320 Lumen
Green	464 Lumen
Blue	296 Lumen
Warm White	781 Lumen

Wavelength/ Color Temperature	**(nm/k)**
Red	620 ~ 630 nm
Green	510 ~ 525 nm
Blue	455 ~ 470 nm
Warm White	2400-2600K

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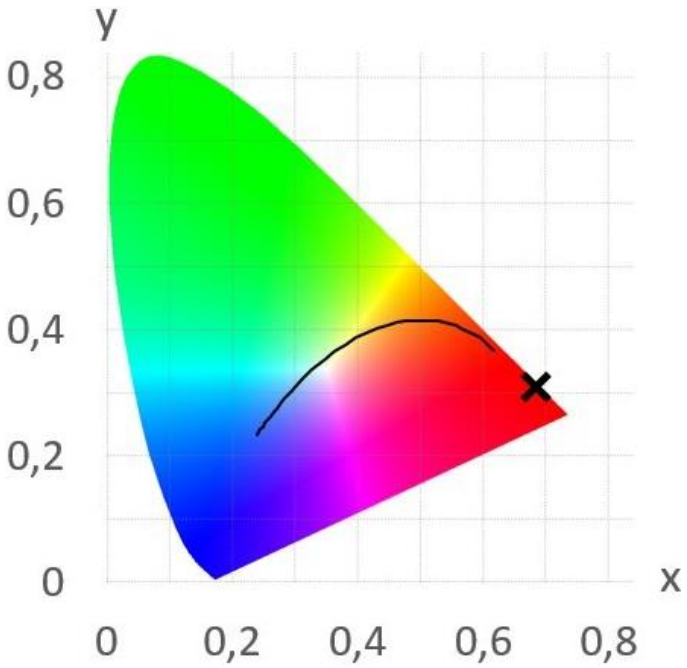
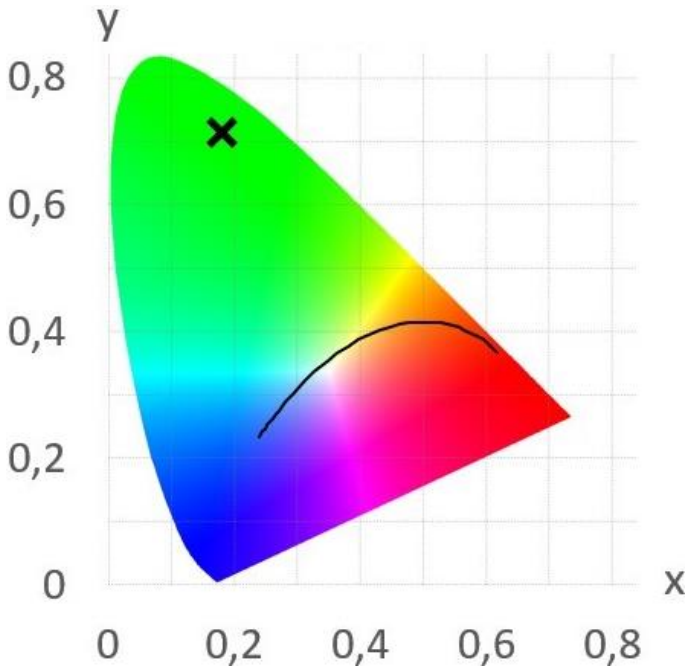
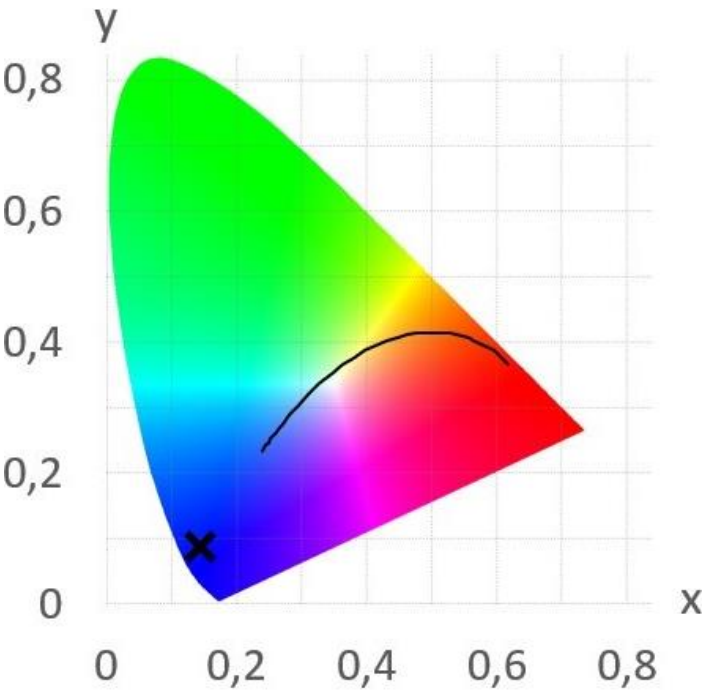
CIE1931 Red:



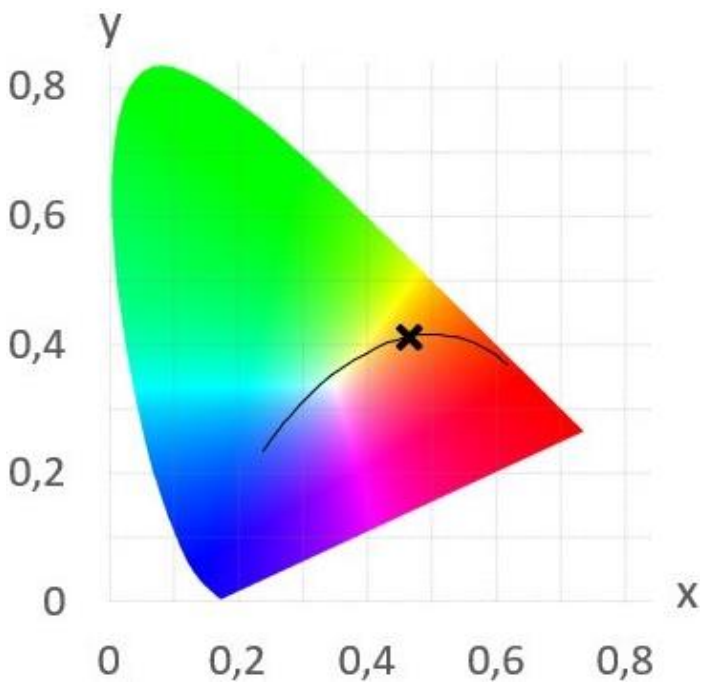
CIE1931 Green:



CIE1931 Blue:



CIE1931 Warm White:



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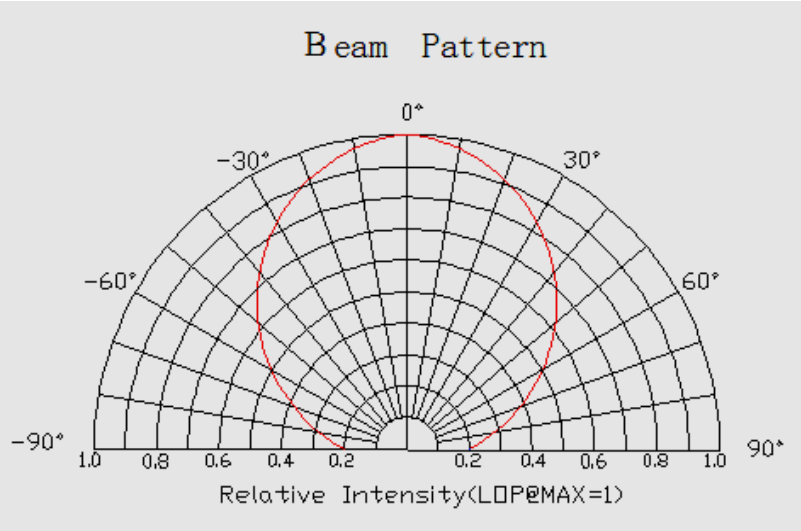
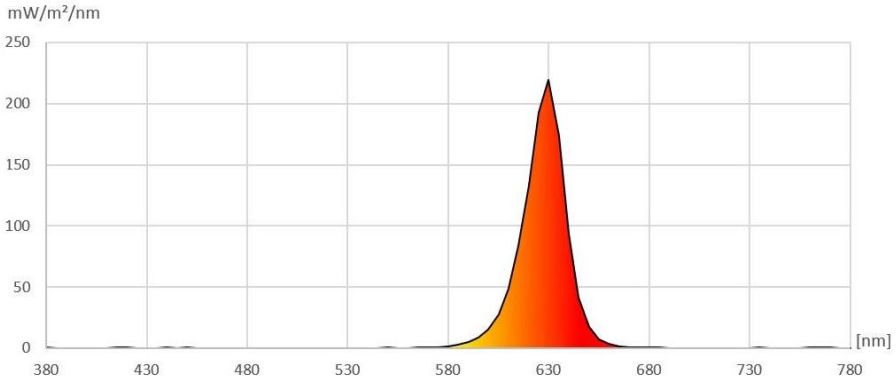
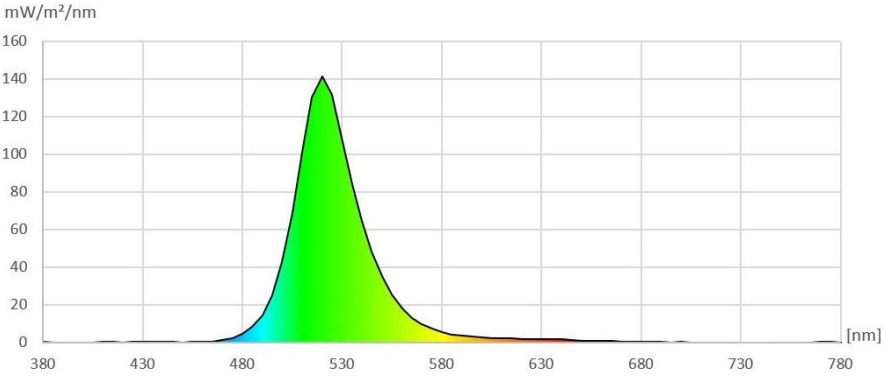
Optical Characteristics Curve:



Wavelength Red:



Wavelength Green:



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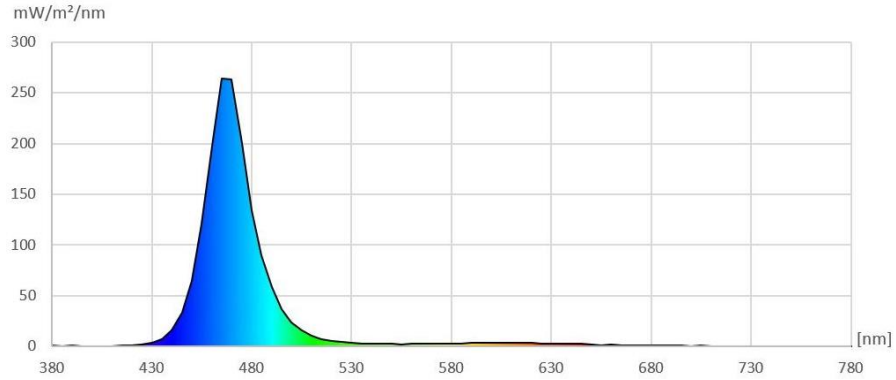
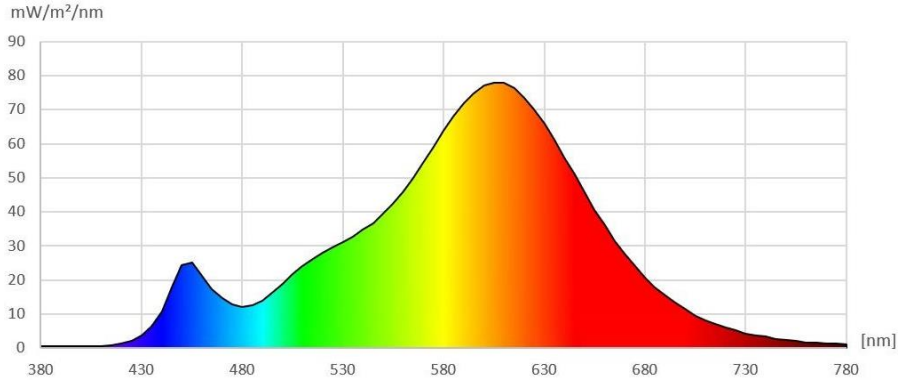
Wavelength Blue:



Wavelength Warm White:



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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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