

Datasheet

LED-strip specification

LED-strip type:
LS24RGB96X5050PLX

Description:
**LuxaLight LED-strip 24V Full Color RGB Protected 5050
(24 Volt, 96 LEDs, 5050, IP64)**

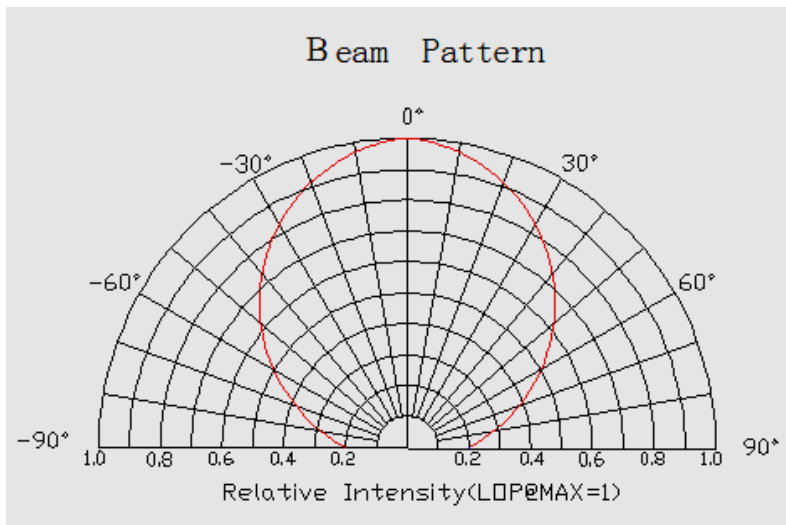


Date:
12-06-2023

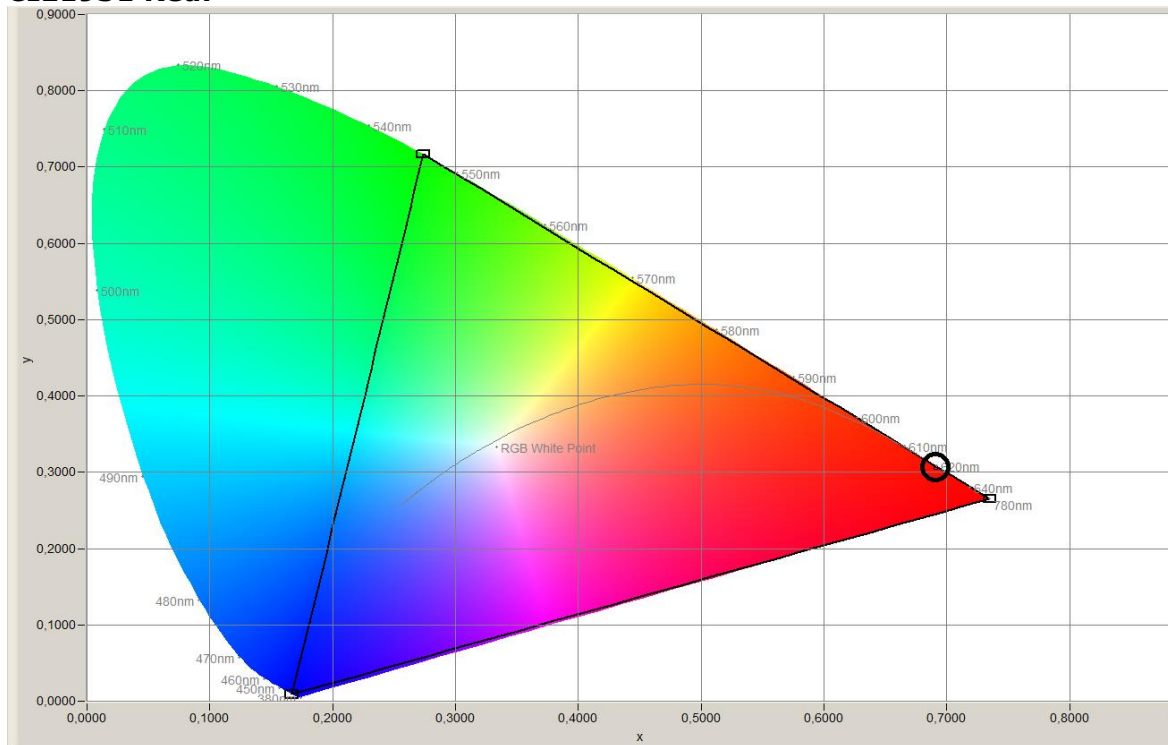
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Technical Specifications				
LS24RGB96X5050PLX				
Mechanical	LED Type	SMD5050		
	LED Quantity	96 LEDs / m		
	Length per segment	62,5 mm		
	LEDs / segment	6 LEDs		
	Length on single reel	10 m		
	Dimensions	10000 x 12 x 4 (L x B x H)		
	Weight	35g ~ 50g / m		
	Mounting	3M Tape VHB4905		
	Protection grade	IP64		
	PCB Material	Copper		
Electronic	Working Voltage	DC24V		
	Working Current	1,05 A / m		
	Working Wattage	25,2 Watt / m		
	Driving Method	Constant Voltage		
	Wires	UL1007 20# 150mm		
Environment	Working Temperature	-20°C ~ +70°C		
	Storing Temperature	-20°C ~ +70°C		
	Lifespan	70.000 Hours		
	LB Value	LB80B50		
	Warranty	5 Years		
Lighting	Colour channels	Red	Green	Blue
	Lumen / meter	320 lm	464 lm	296 lm
	Wavelength (nm) / Colour Temp. (K)	630 nm	520 nm	460 nm
	BIN	3 SDCM		
	Viewing Angle	120 ±5°		
Pin-out	Wire colour	Symbol	Function description	
	Red	R	Red	
	Green	G	Green	
	Blue	B	Blue	
	Black	+24V	24V Logic Power Supply	

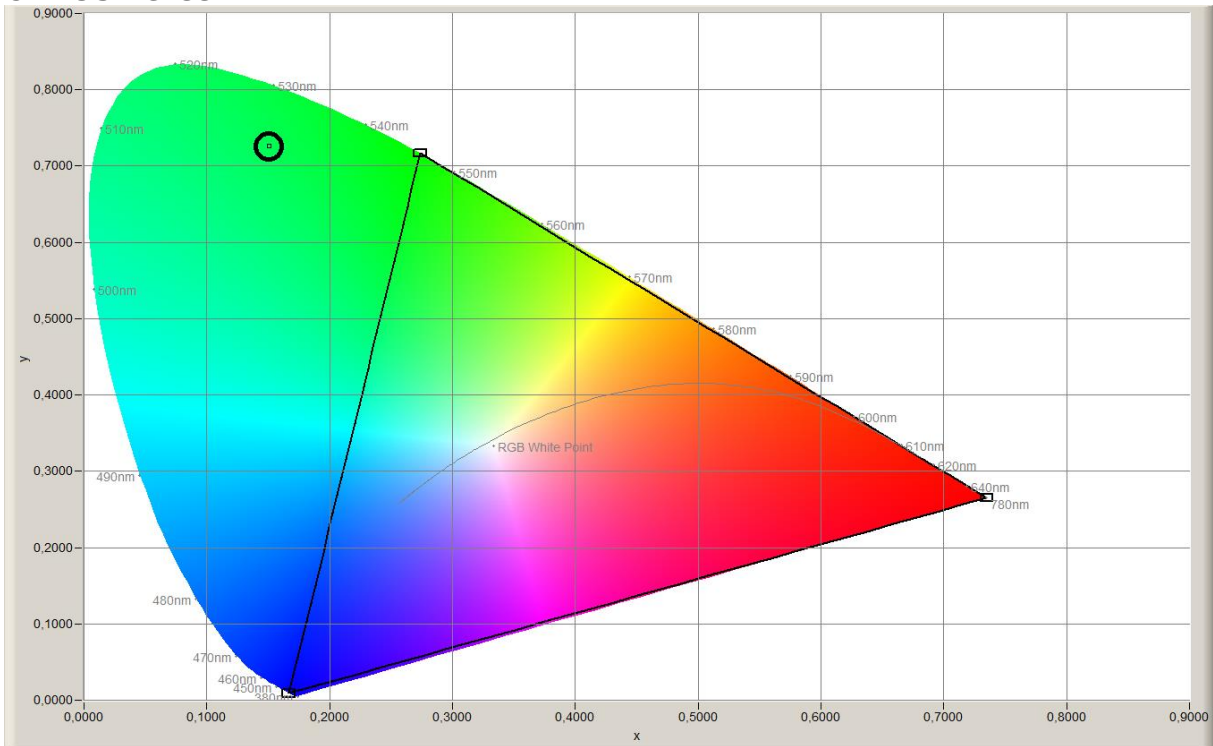
Optical Characteristics Curve:



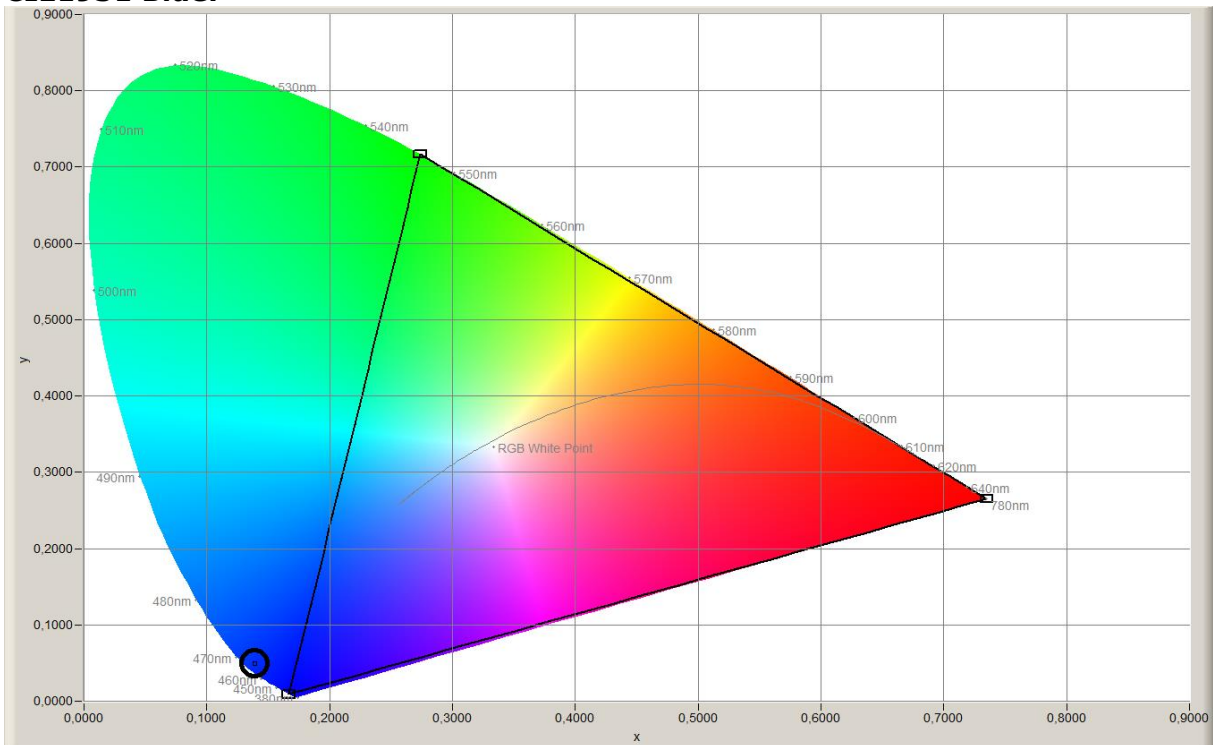
CIE1931 Red:



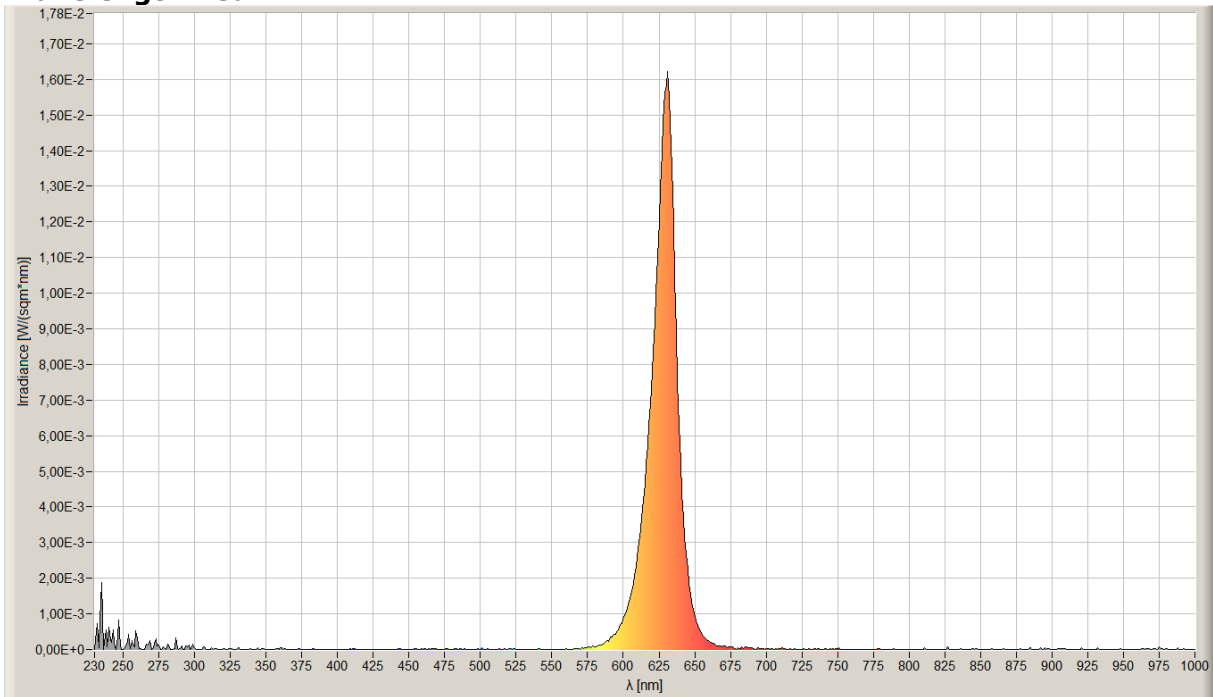
CIE1931 Green:



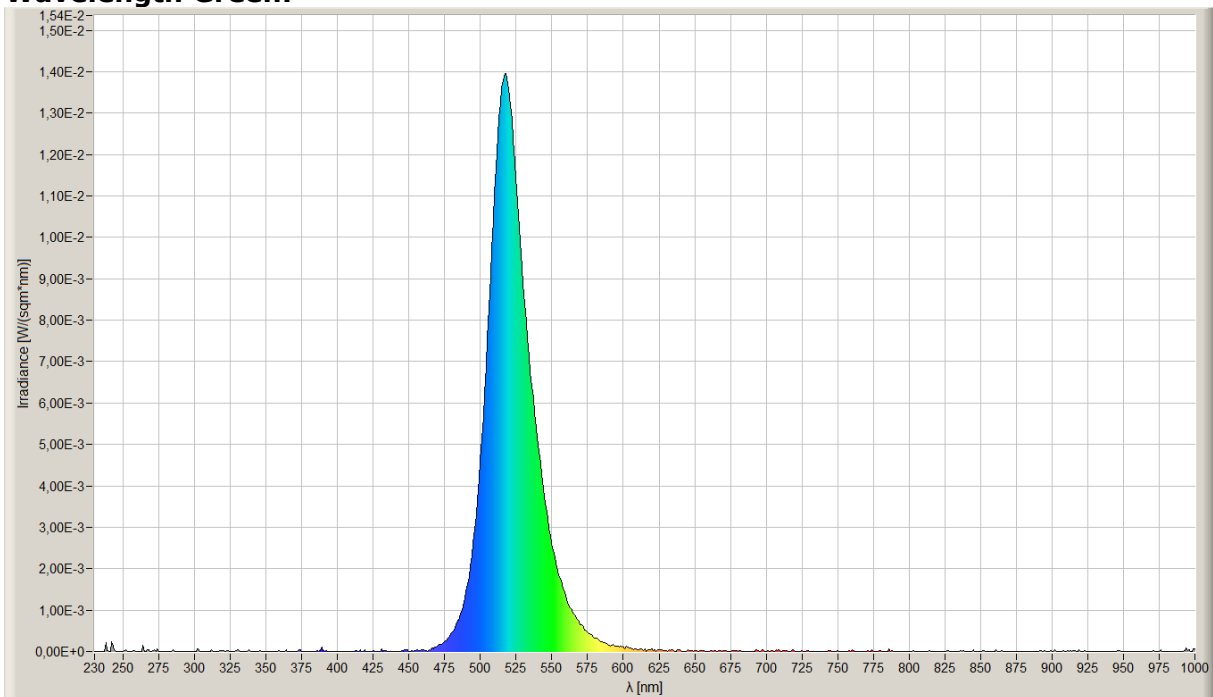
CIE1931 Blue:



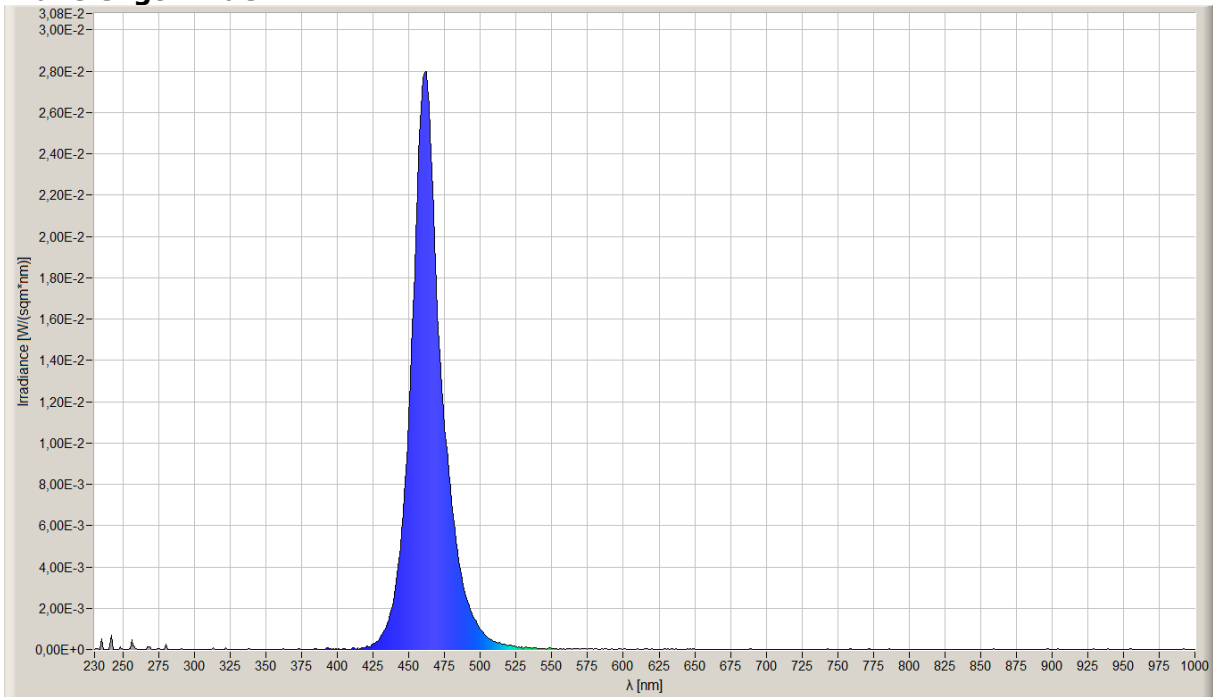
Wavelength Red:



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:

- 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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