

## Datasheet

LED-strip specification

LED-strip type:  
**LS24RGBWW96X5050PLX**

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

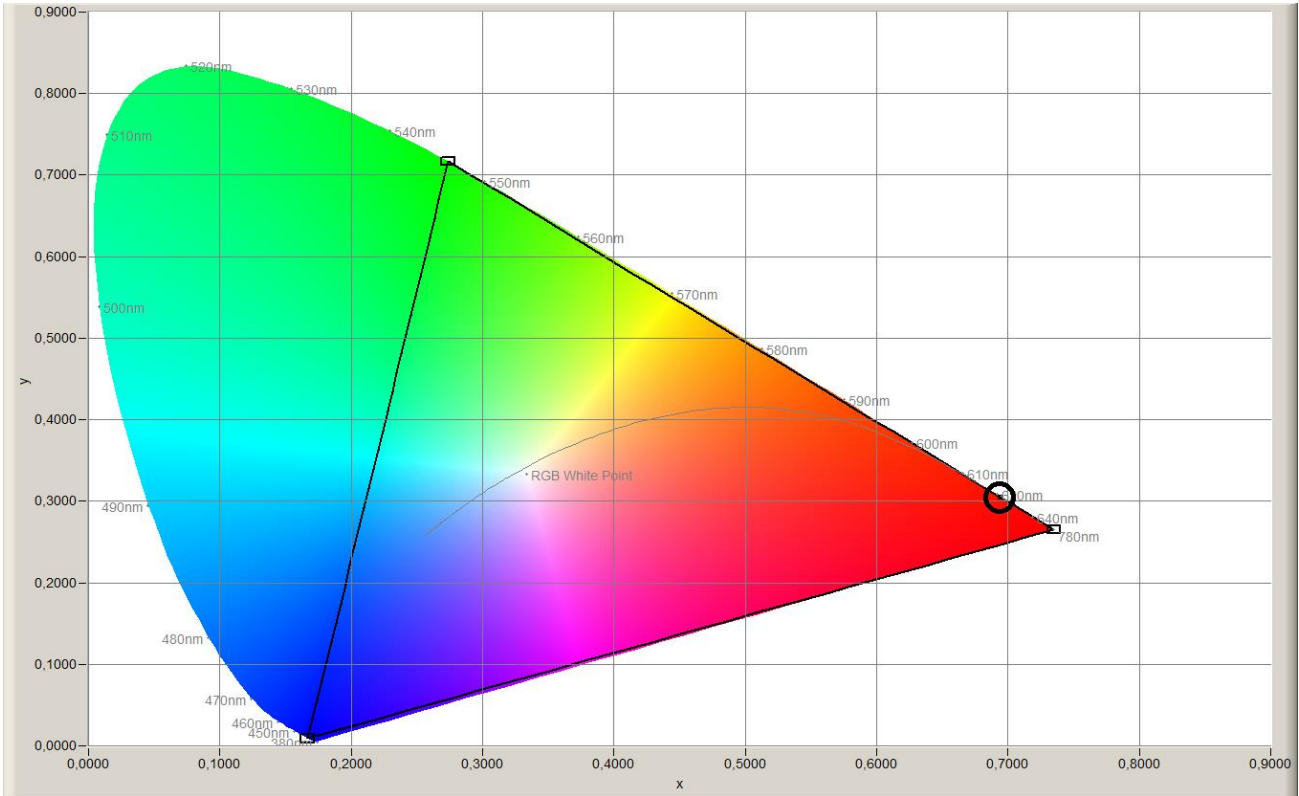


Date:  
12-06-2023

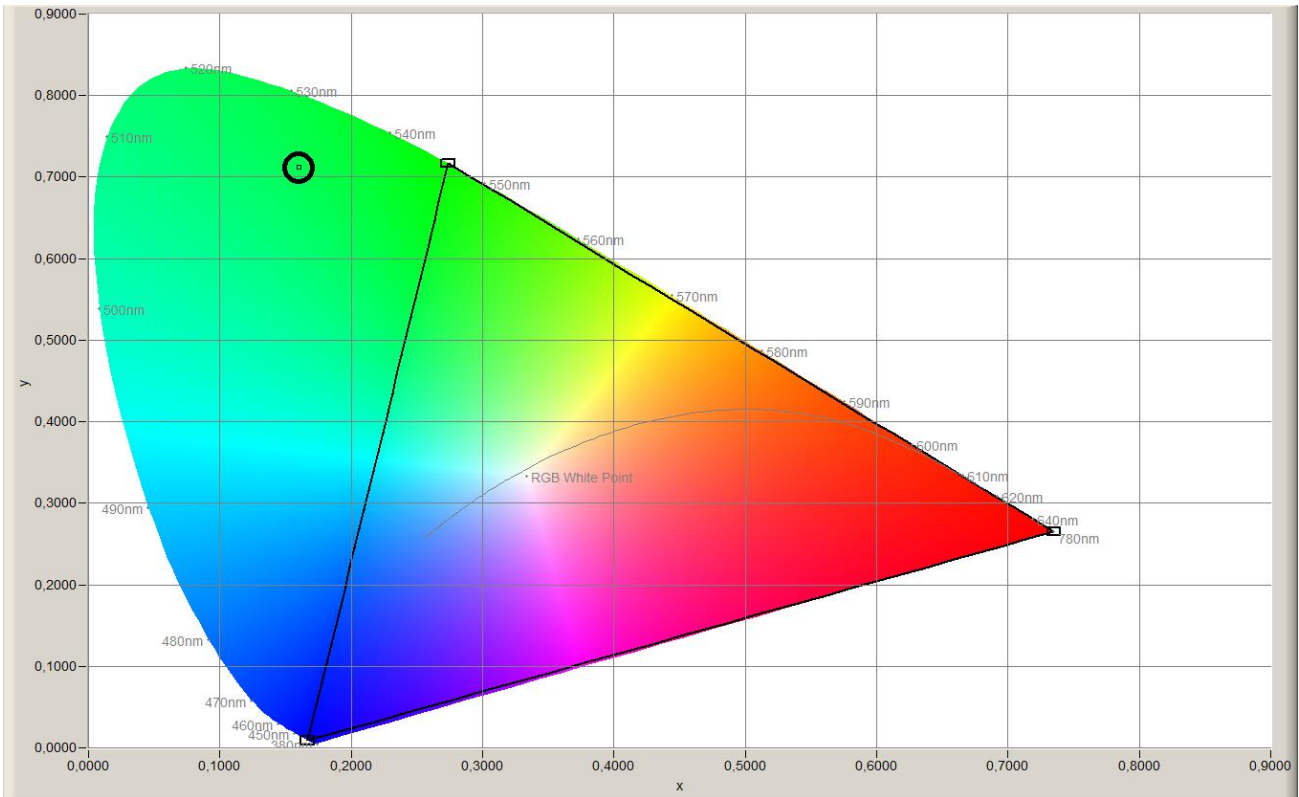
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Technical Specifications					
LS24RGBWW96X5050PLX					
<b>Mechanical</b>	LED Type	SMD5050			
	LED Quantity	96 LEDs / m			
	Length per segment	62,5 mm			
	LEDs / segment	6 LEDs			
	Length on single reel	10 m			
	Dimensions	10000 x 12 x 4 ( L x B x H )			
	Weight	35g ~ 50g / m			
	Mounting	3M Tape VHB4905			
	Protection grade	IP64			
	PCB Material	Copper			
<b>Electronic</b>	Working Voltage	DC24V			
	Working Current	1,28 A			
	Working Wattage	30,72 Watt / m			
	Driving Method	Constant Voltage			
	Wires	UL1007 20# 150mm			
<b>Environment</b>	Working Temperature	-20°C ~ +70°C			
	Storing Temperature	-20°C ~ +70°C			
	Lifespan	70.000 Hours			
	LB Value	LB80B50			
	Warranty	5 Years			
<b>Lighting</b>	Colour channels	Red	Green	Blue	Warm White
	Lumen / meter	320 lm	464 lm	296 lm	781 lm
	Wavelength (nm) / Colour Temp. (K)	630 nm	515 nm	460nm	2900K
	BIN	3 SDCM			
	CRI	≥ 85 Ra			
	Viewing Angle	120 ±5°			
<b>Pin-out</b>	Wire colour	Symbol	Function description		
	Red	R	Red		
	Green	G	Green		
	Blue	B	Blue		
	White	W	Warm White		
	Black	+24V	24V Logic Power Supply		

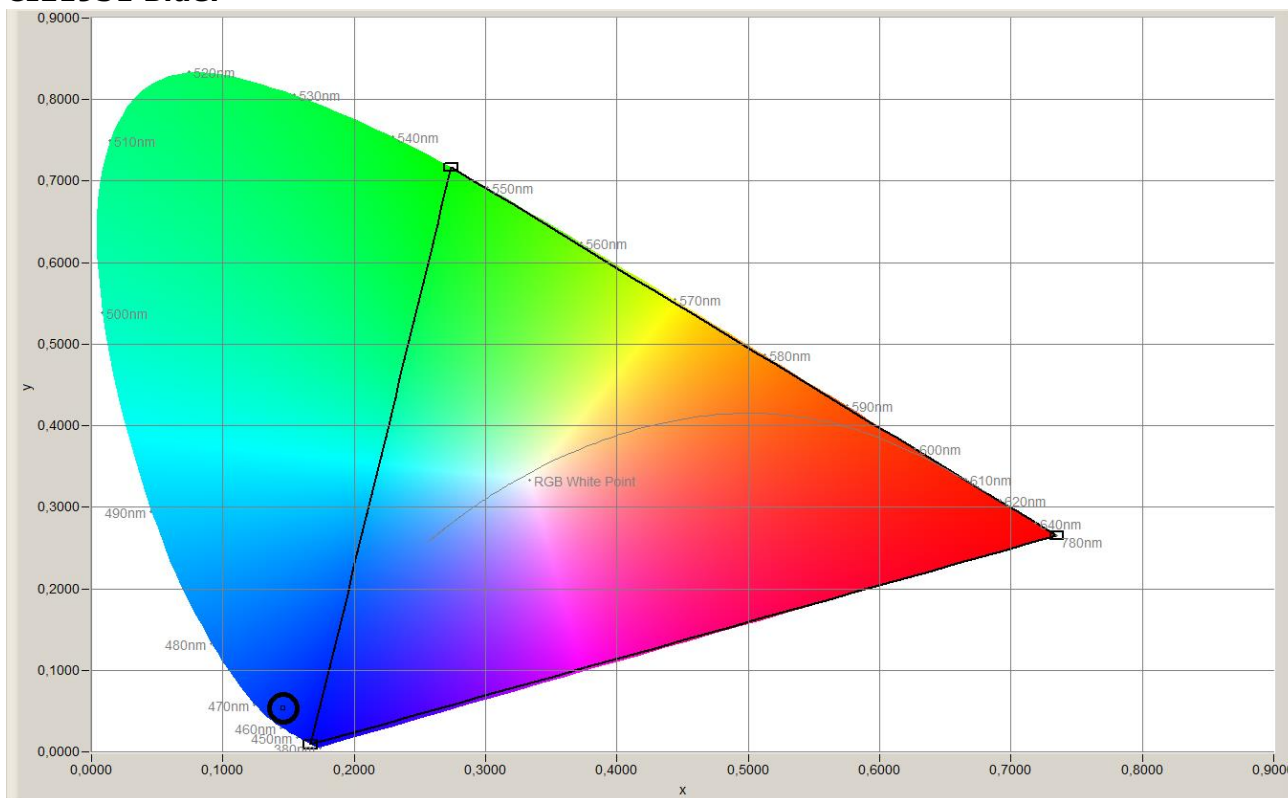
## CIE1931 Red:



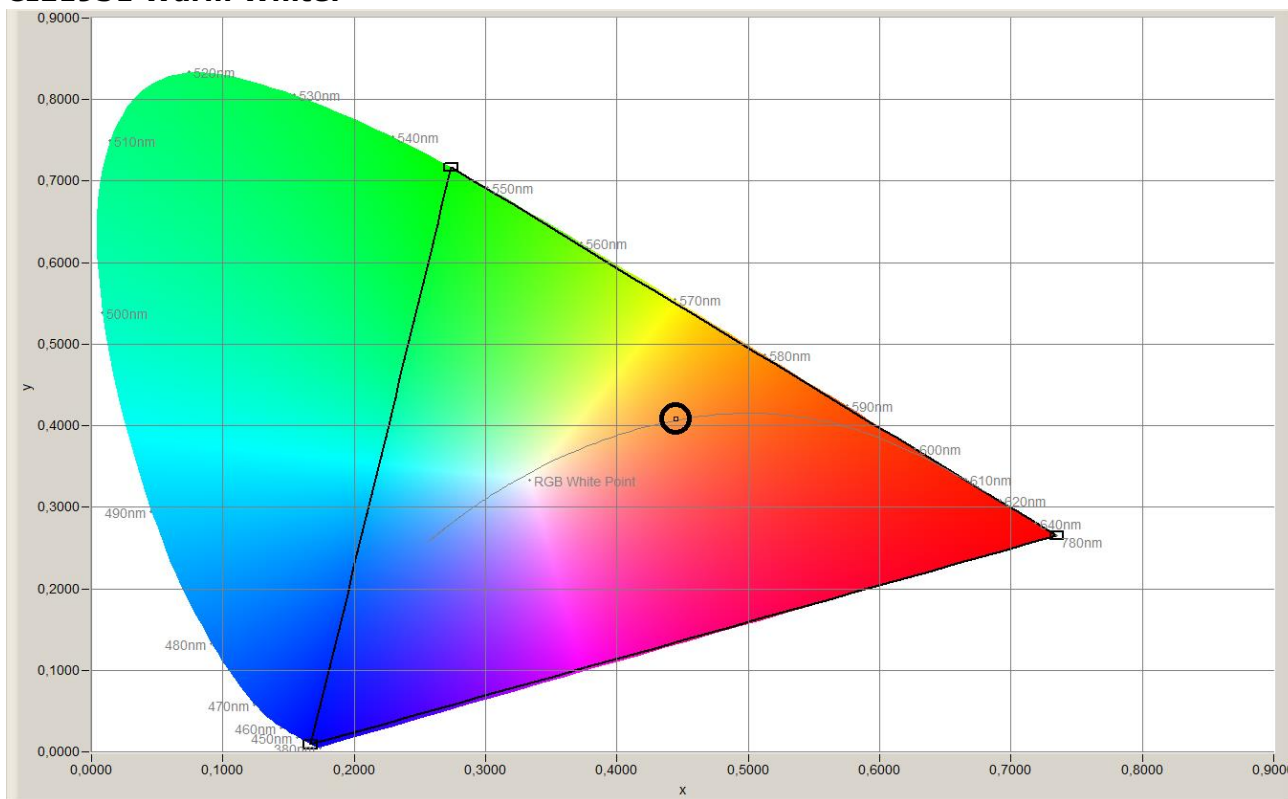
## CIE1931 Green:



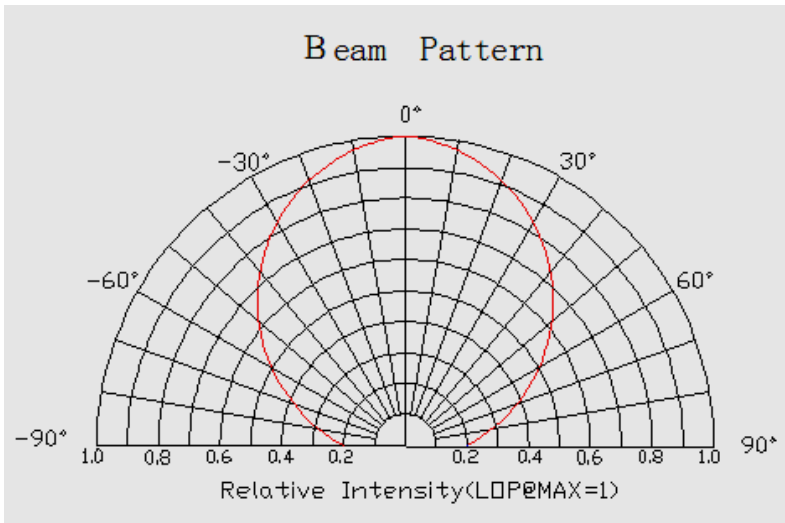
## CIE1931 Blue:



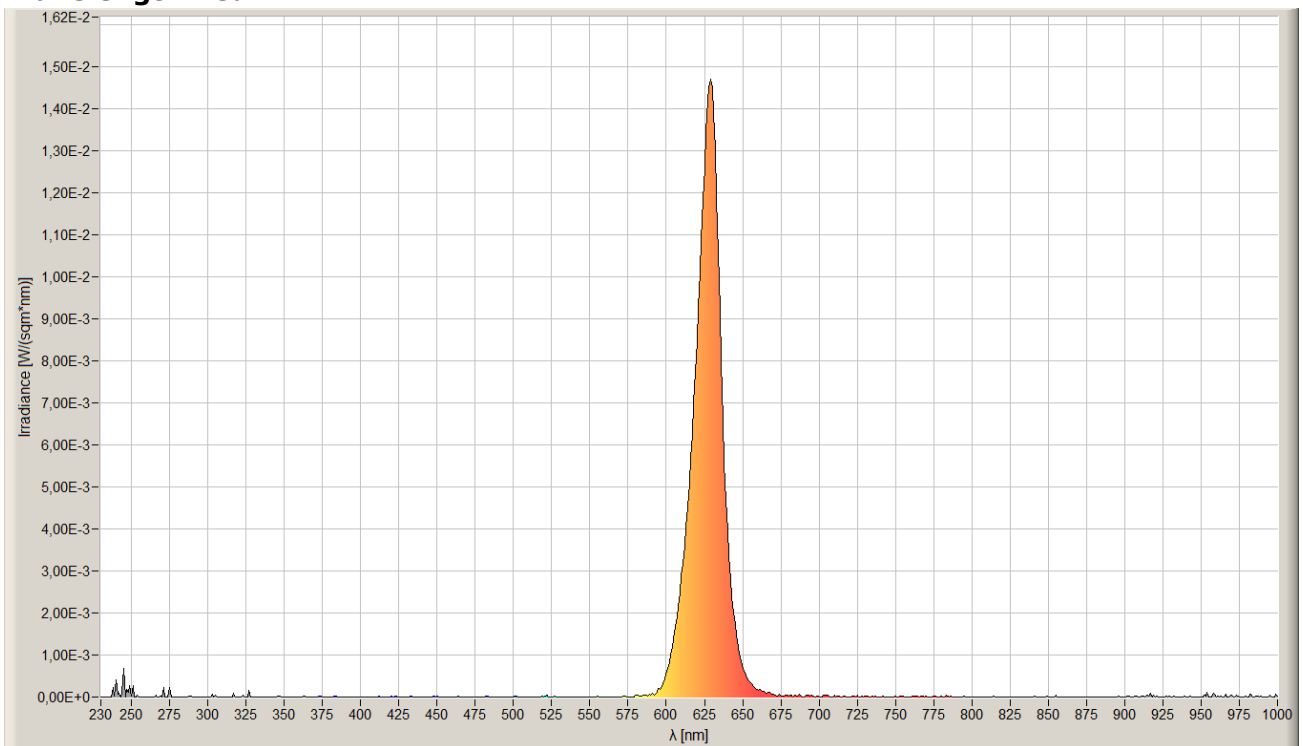
## CIE1931 Warm White:



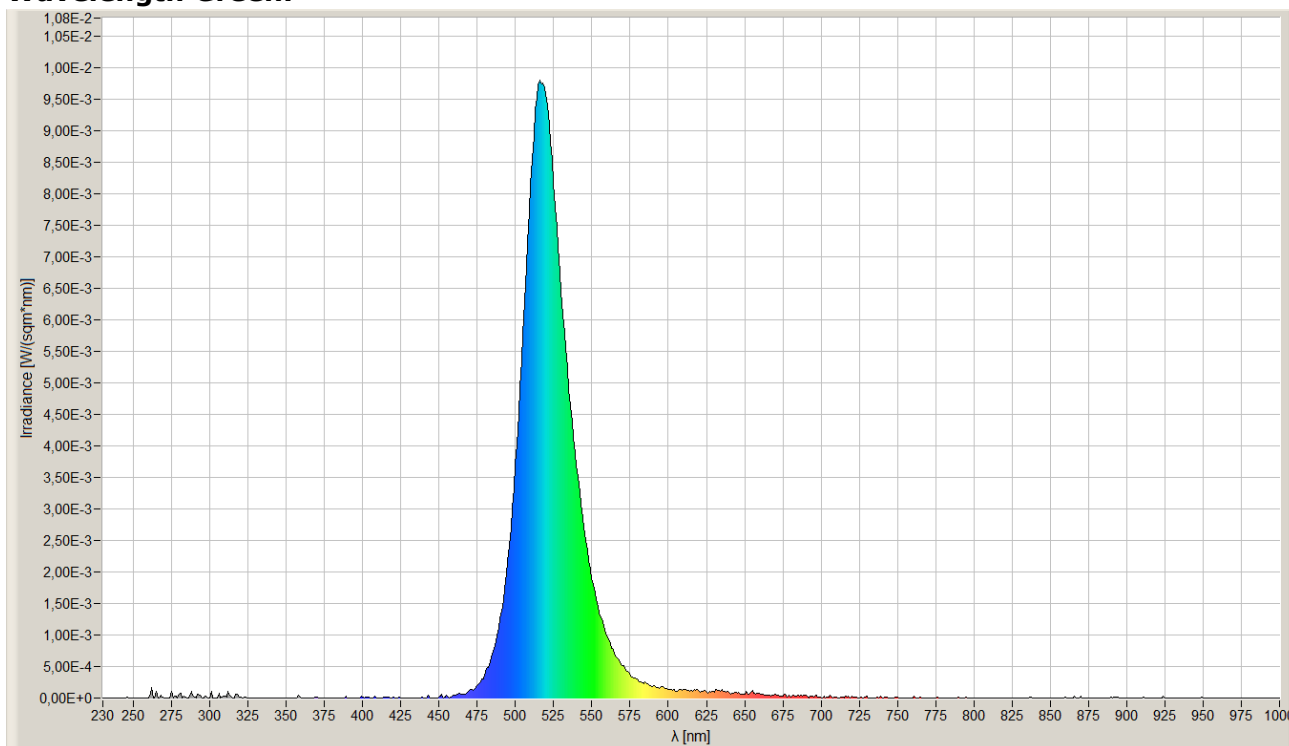
## Optical Characteristics Curve:



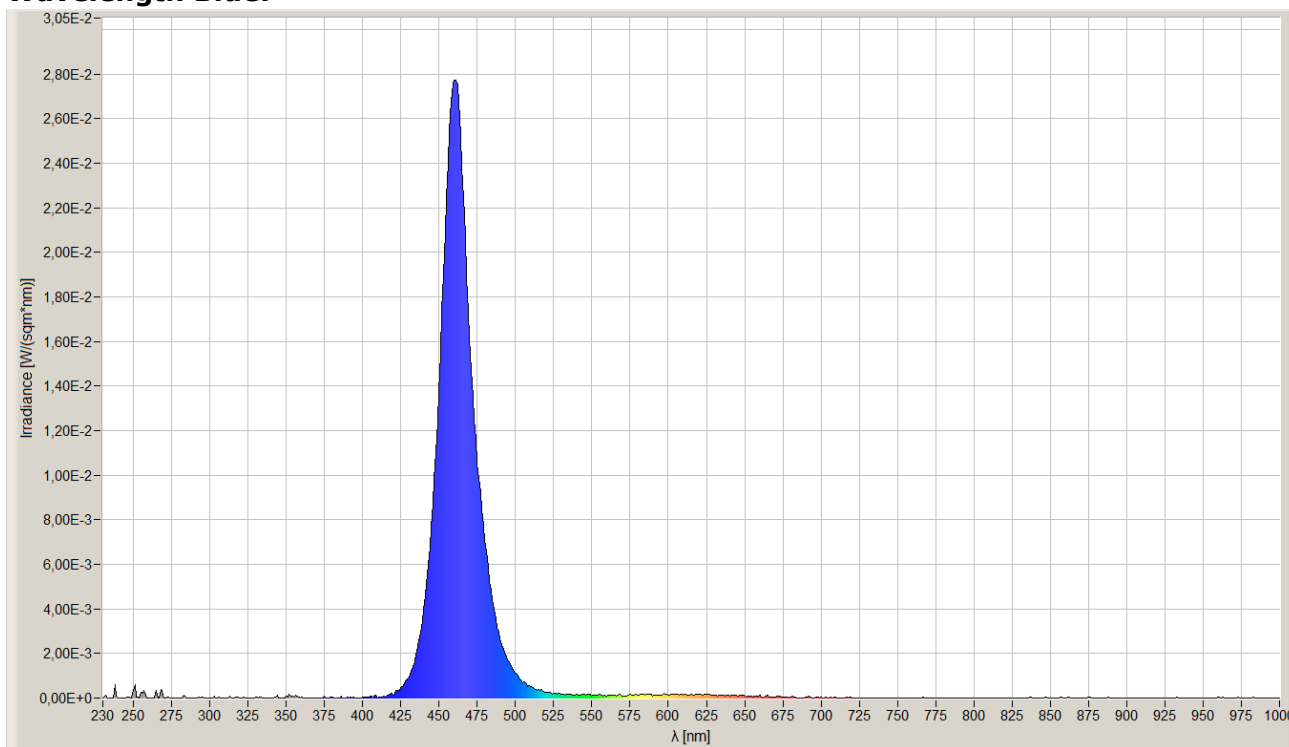
## Wavelength Red:



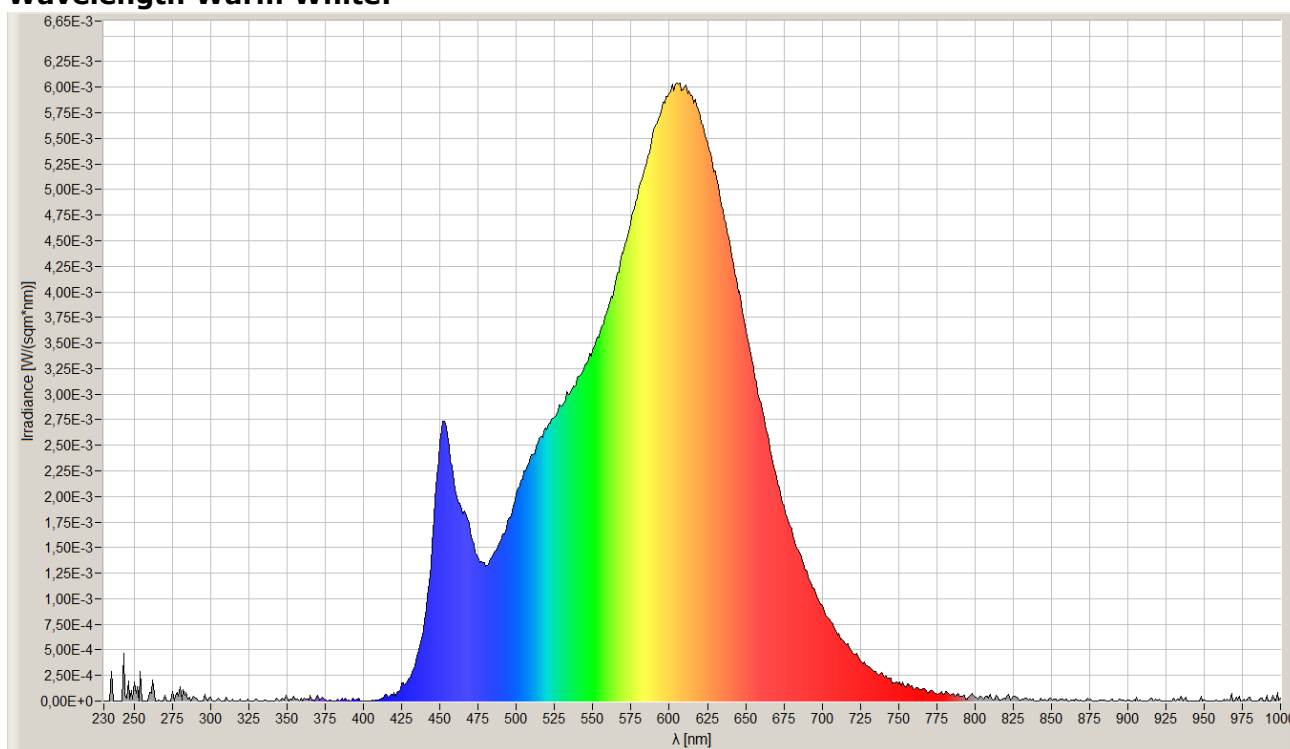
## Wavelength Green:



## Wavelength Blue:



## Wavelength Warm White:



**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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