

# Datasheet

LED-strip specification

LED-strip type:  
**APCB-24-RGBW-28X5050-ILX**

Description:  
**LuxaLight Aluminium PCB RGBWW Indoor (24 Volt, 28 LEDs, 5050, IP20)**

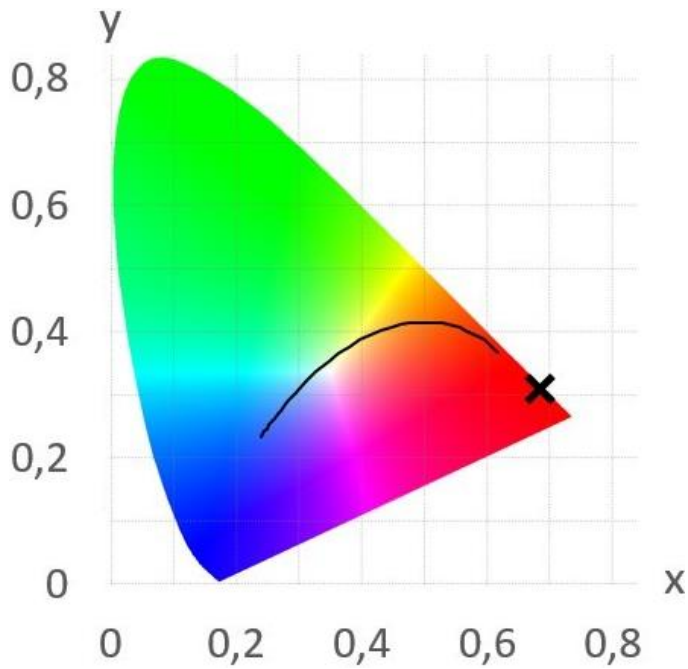


Date:  
24-05-2023

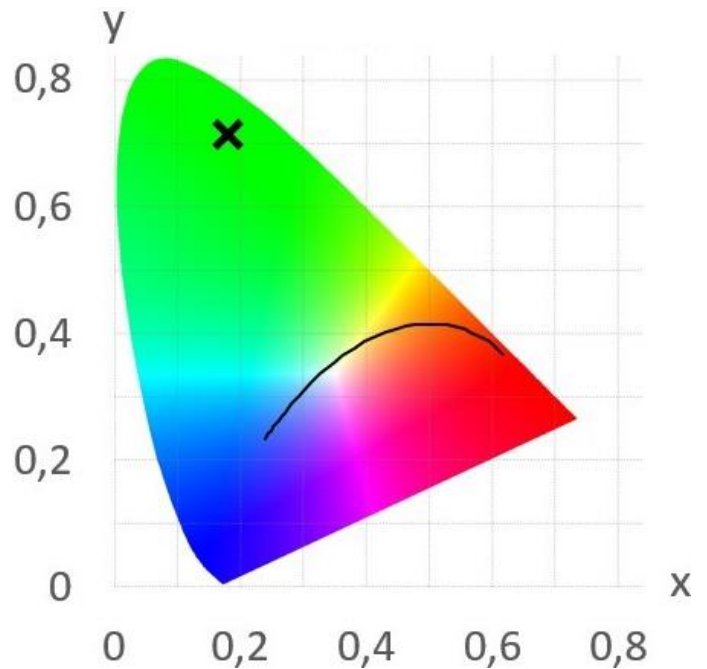
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Technical Specifications					
APCB-24-RGBW-28X5050-ILX					
<b>Mechanical</b>	LED Type	SMD5050			
	LED Quantity	28 LEDs / mtr			
	Length per segment	245 mm			
	LEDs / segment	7 LEDs			
	Dimensions	980 x 20 x 8 ( L x B X H )			
	Weight	20g ~30g / m			
	Mounting	3M Tape VHB4905			
	Protection grade	IP20			
	LB Value	L80B50			
	PCB Material	Copper			
<b>Electronic</b>	Working Voltage	DC24V			
	Working Current	0,3A / Piece			
	Working Wattage	19,2 Watt / Piece			
	Driving Method	Constant Voltage			
<b>Environment</b>	Working Temperature	-20°C ~ +70°C			
	Storing Temperature	-20°C ~ +70°C			
	Lifespan	70.000 Hours			
	Warranty	5 Years			
<b>Lighting</b>	Colour channels	Red	Green	Blue	Warm White
	Lumen / meter	64 lm	106 lm	40 lm	300 lm
	Lux at 10cm	116,3 lx	216,4 lx	46,8 lx	626,6 lx
	Wavelength	620 - 630 nm	510 - 525 nm	455 - 470nm	2700k
	BIN	3 SDCM			
	Viewing Angle	160 ±5°			

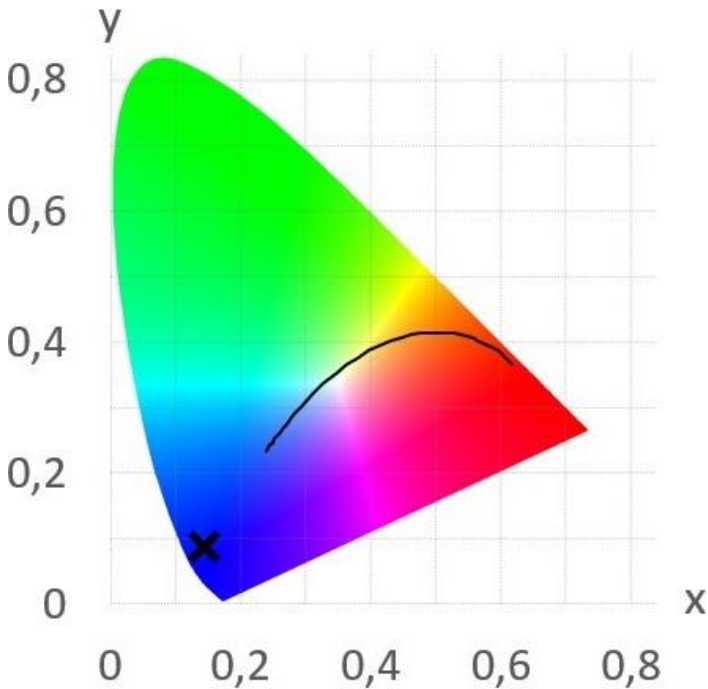
**CIE1931 Red:**



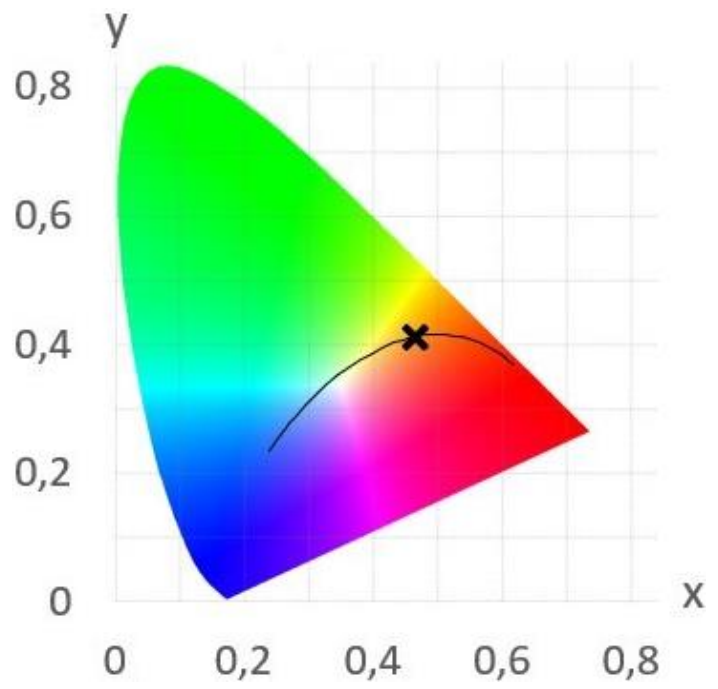
**CIE1931 Green:**



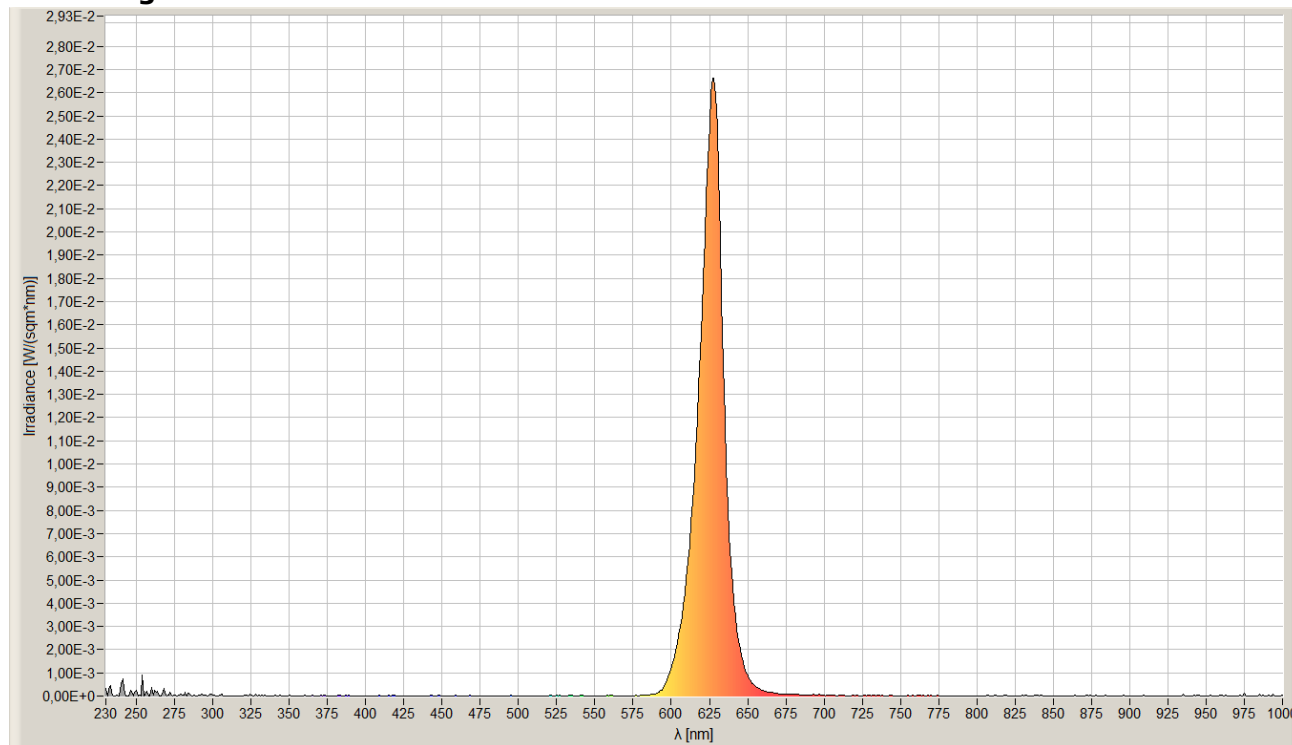
**CIE1931 Blue:**



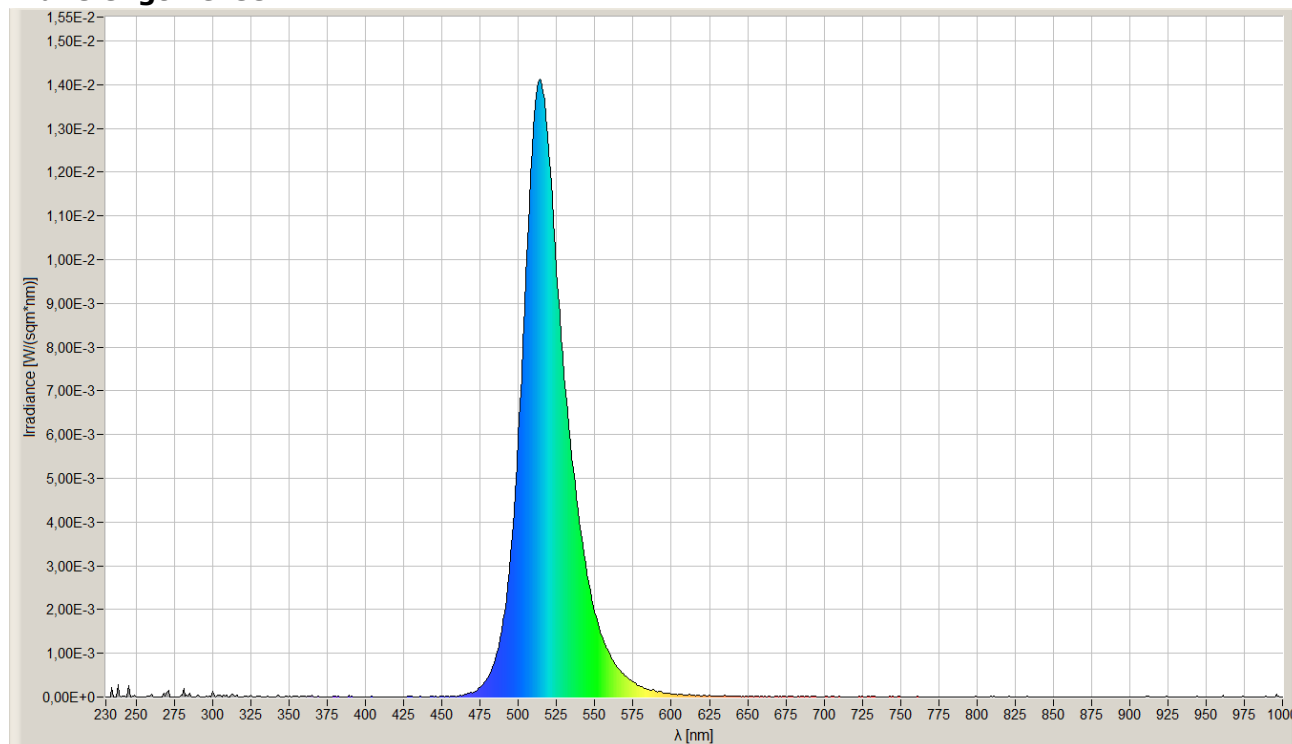
**CIE1931 Warm White:**



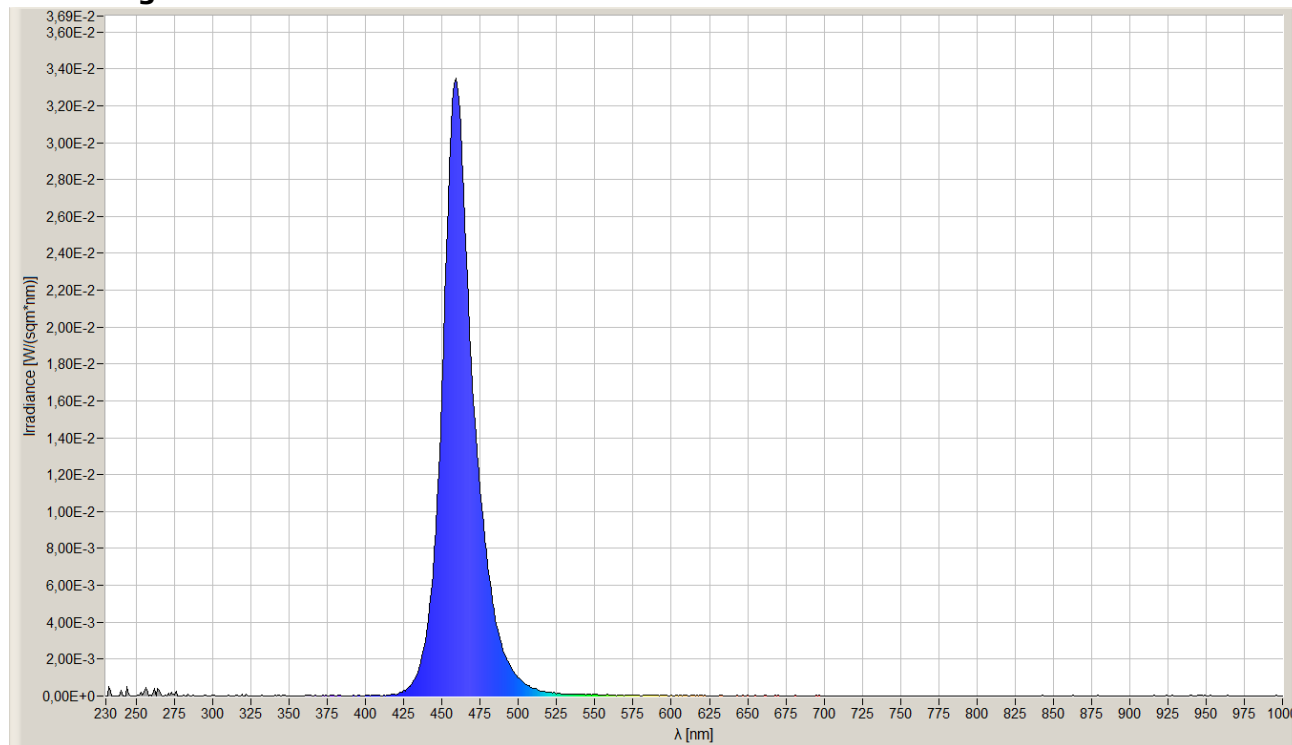
## Wavelength Red:



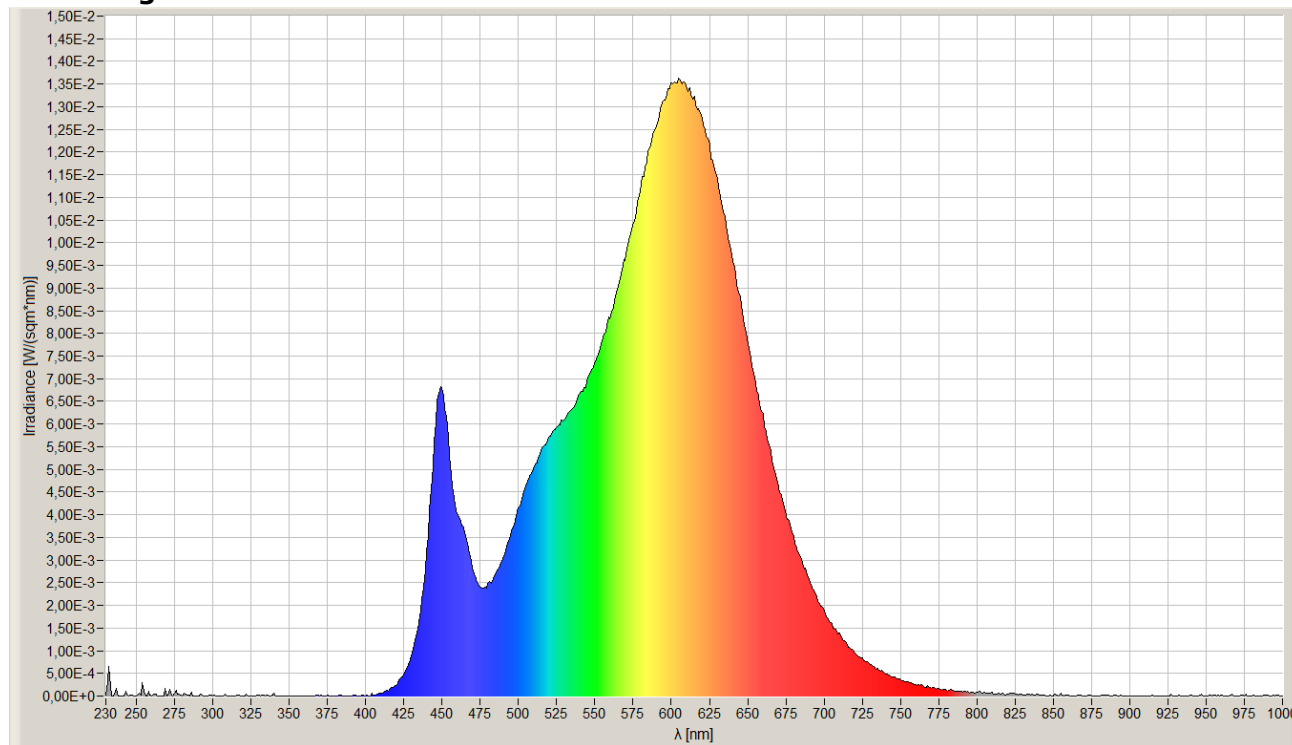
## Wavelength Green:



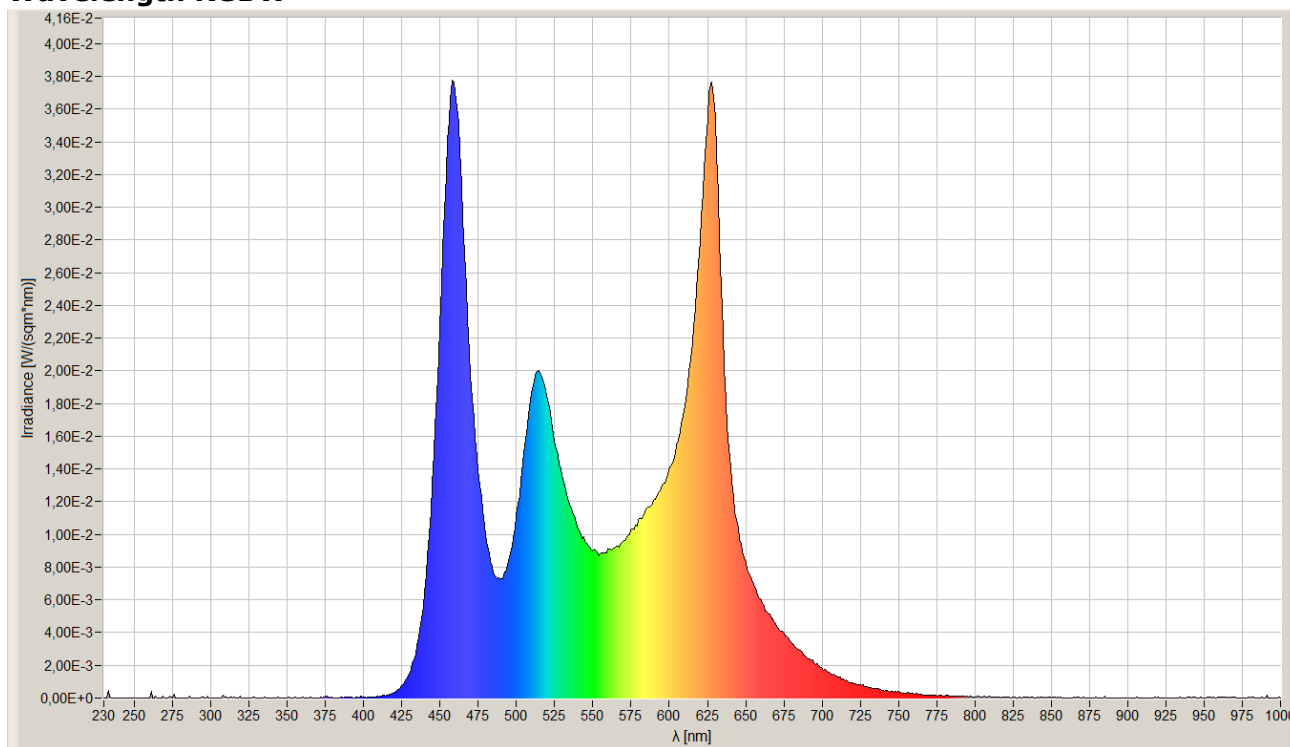
## Wavelength Blue:



## Wavelength Warm White:



## Wavelength RGBW



**The Materials of PCB:**

2mm Thick Aluminium

**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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