

## Datasheet

LED-strip specification

LED-strip type:  
**LS24RG192X2835PLX**

Description:  
**LuxaLight LED-strip 24V Red Green Protected 2835  
(24 Volt, 192 LEDs, 2835, IP64)**

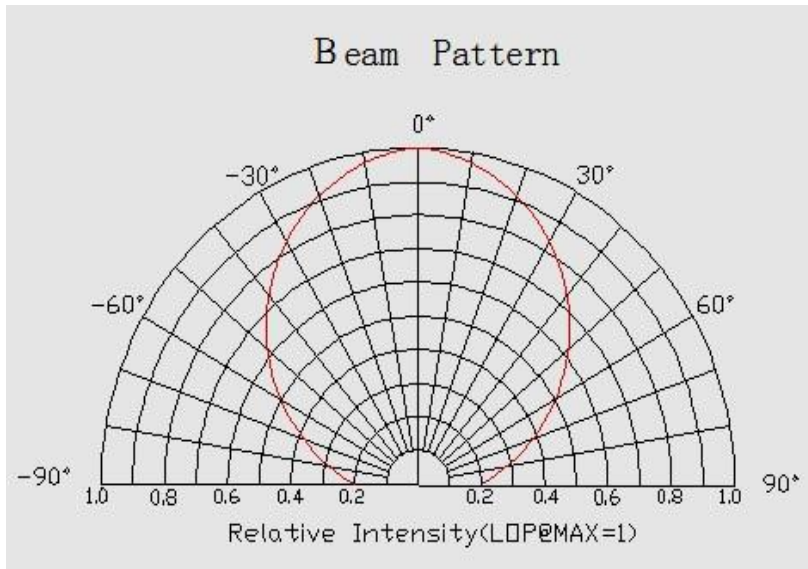


Date:  
06-06-2023

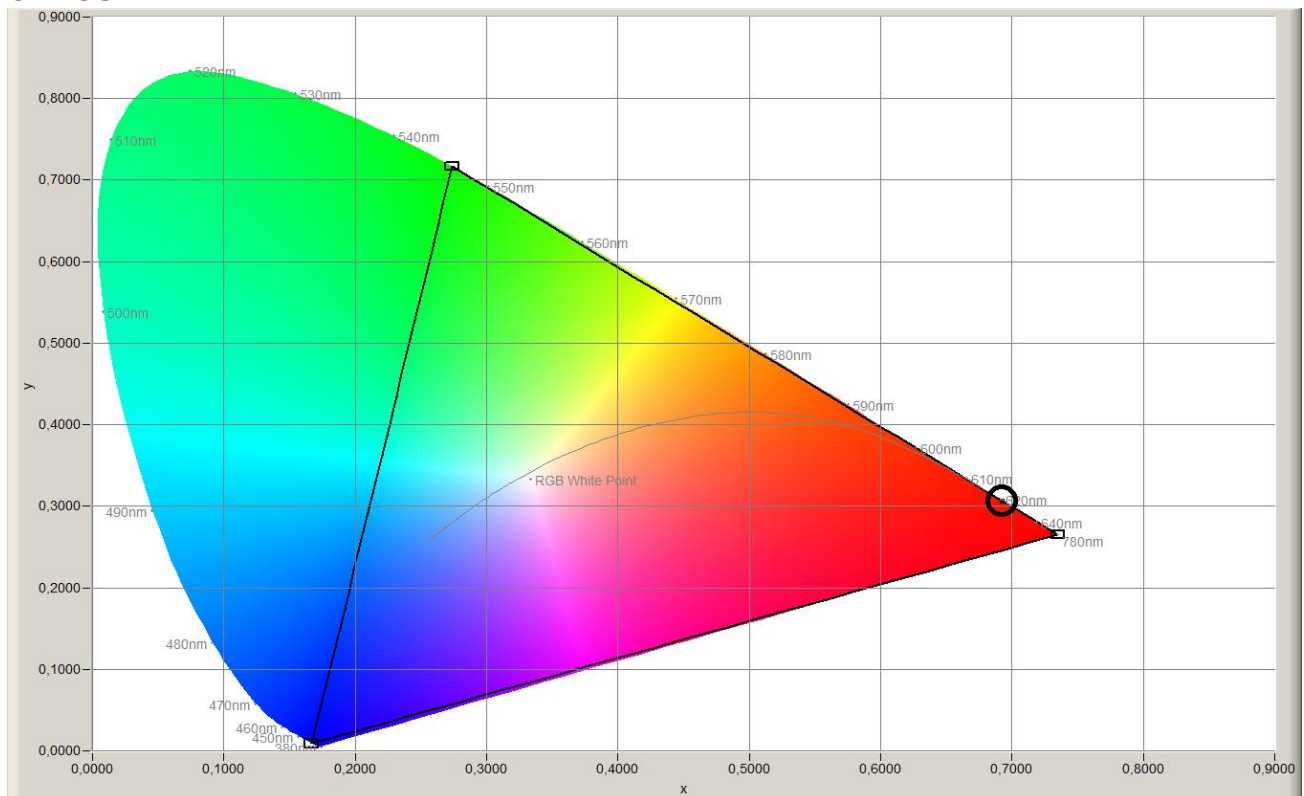
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Technical Specificaties			
LS24RG192X2835PLX			
General	LED Type	2835 SMD	
	LED Quantity	192 LEDs/m	
	Dimensions	10000 * 10 * 4 ( L x B x H )	
	Length per segment	62,5mm	
	LEDs / segment	12	
	Weight	35 ~ 50g / meter	
	Mounting	3M tape VHB4905	
Environment	Working Temperature	-20°C ~ +70°C	
	Storing Temperature	-20°C ~ +70°C	
	IP Grade	IP64	
	Mechanical Protection	Silicone Coating	
	Lifetime	70.000 Hours	
	Warranty	5 Years	
Electronic	Working Voltage	DC24V	
	Working Current	1 A / Engine	
	Working Wattage	24 W / Engine	
	Working Current Red	0,8A / mtr	
	Working Wattage Red	19,2W / mtr	
	Working Current Green	0,86A / mtr	
	Working Wattage Green	20,64W / mtr	
	Driving Method	Constant Voltage	
Lighting	Engine Wavelength (nm)	630nm Red	515nm Green
	Peak Measured Wavelength (5cm)	630nm	517nm
	Luminous Flux (Lumen / Meter)	475 lumen	1754 lumen
	Lumen / Watt	24,7 lm/W	85 lm/W
	Viewing Angle	120 ±5°	

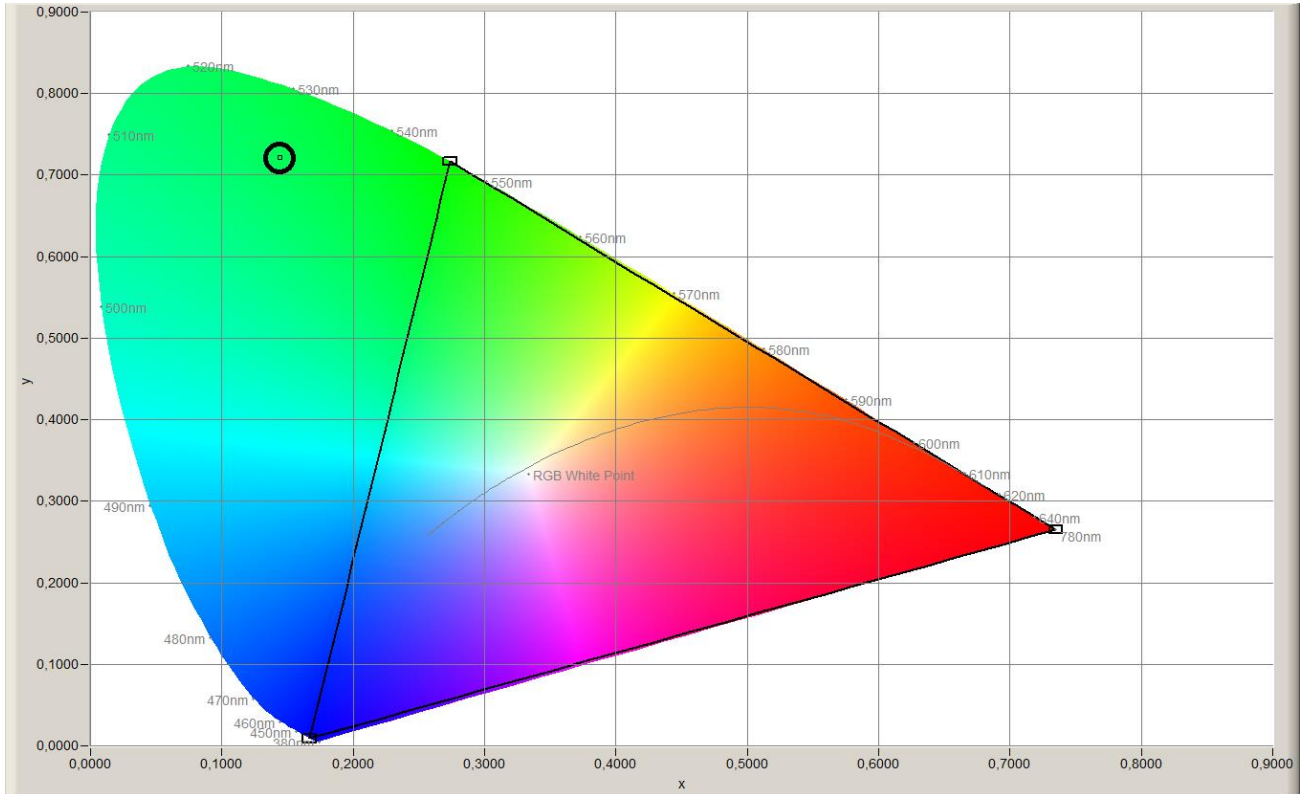
## Optical Characteristics Curve:



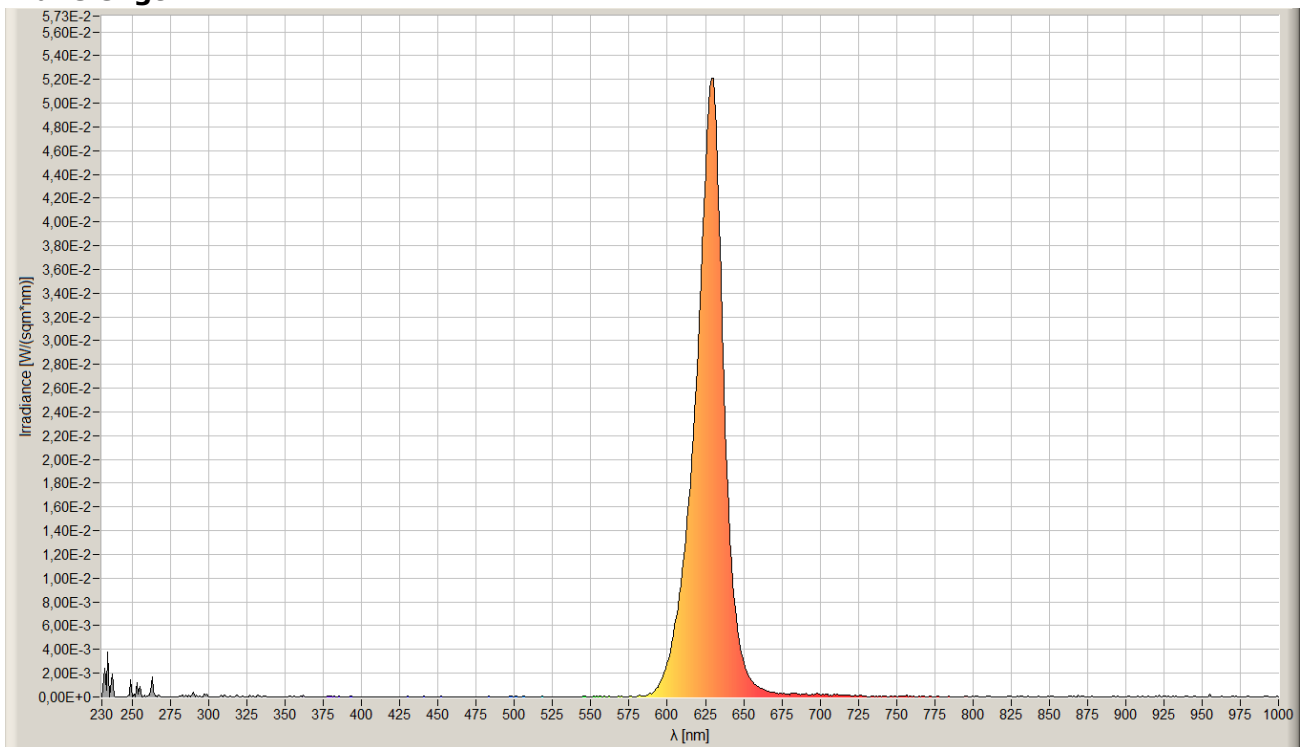
## CIE1931 RED:



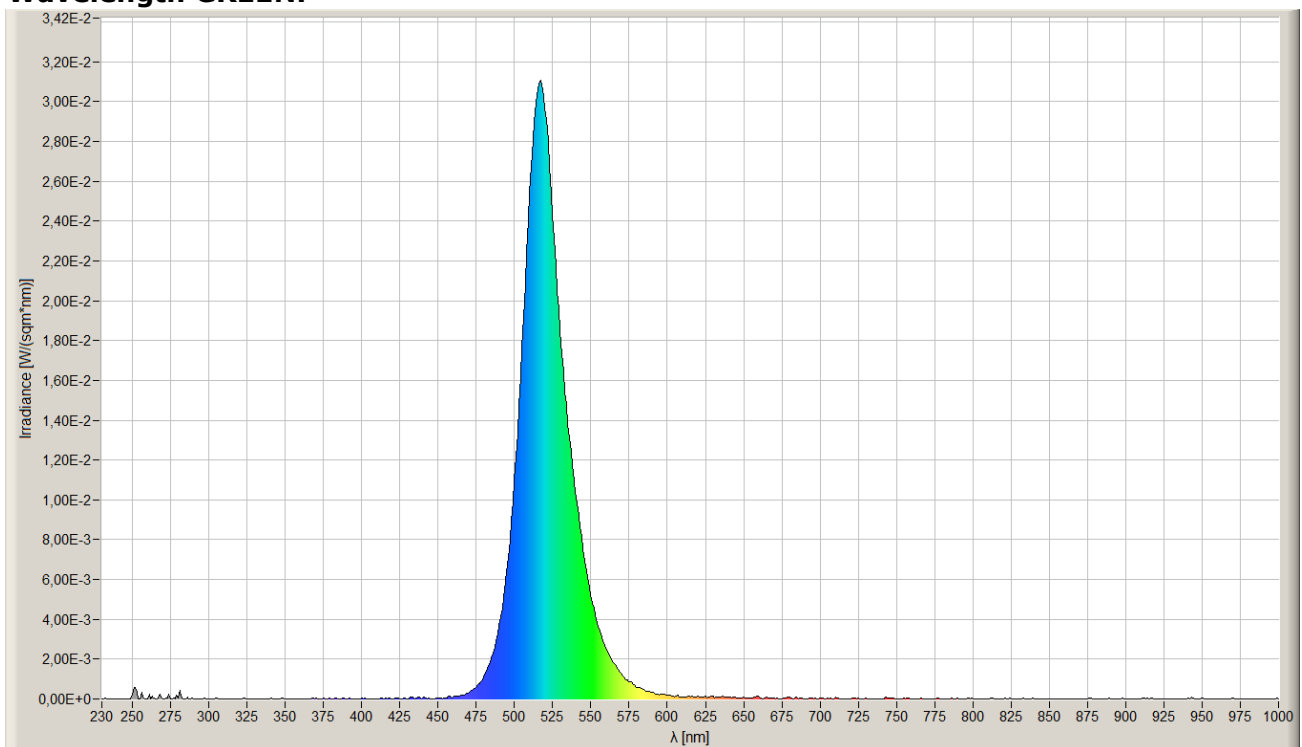
**CIE1934 GREEN:**



## Wavelength RED:



## Wavelength GREEN:



**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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