

Datasheet

LED-strip specification

LED-strip type:
LS24RG192X2835WLX

Description:
**LuxaLight LED-strip 24V Red Green Waterproof 2835
(24 Volt, 192 LEDs, 2835, IP68)**

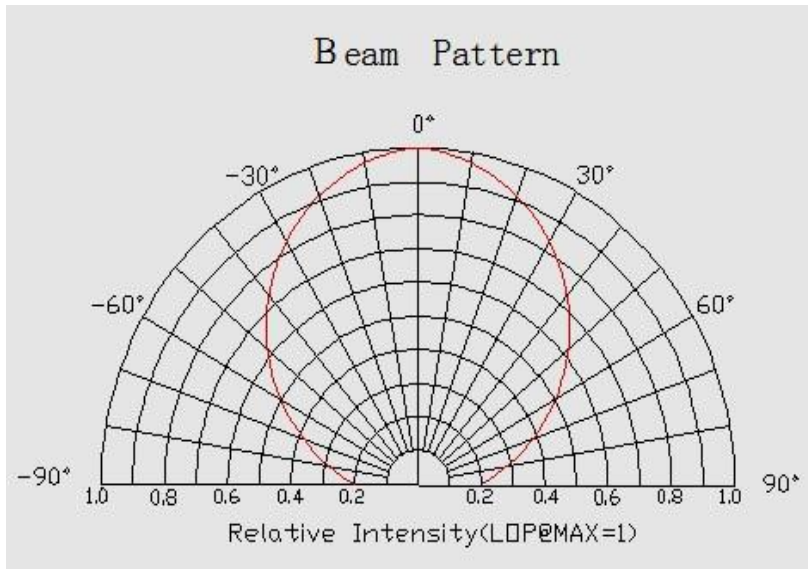


Date:
24-08-2023

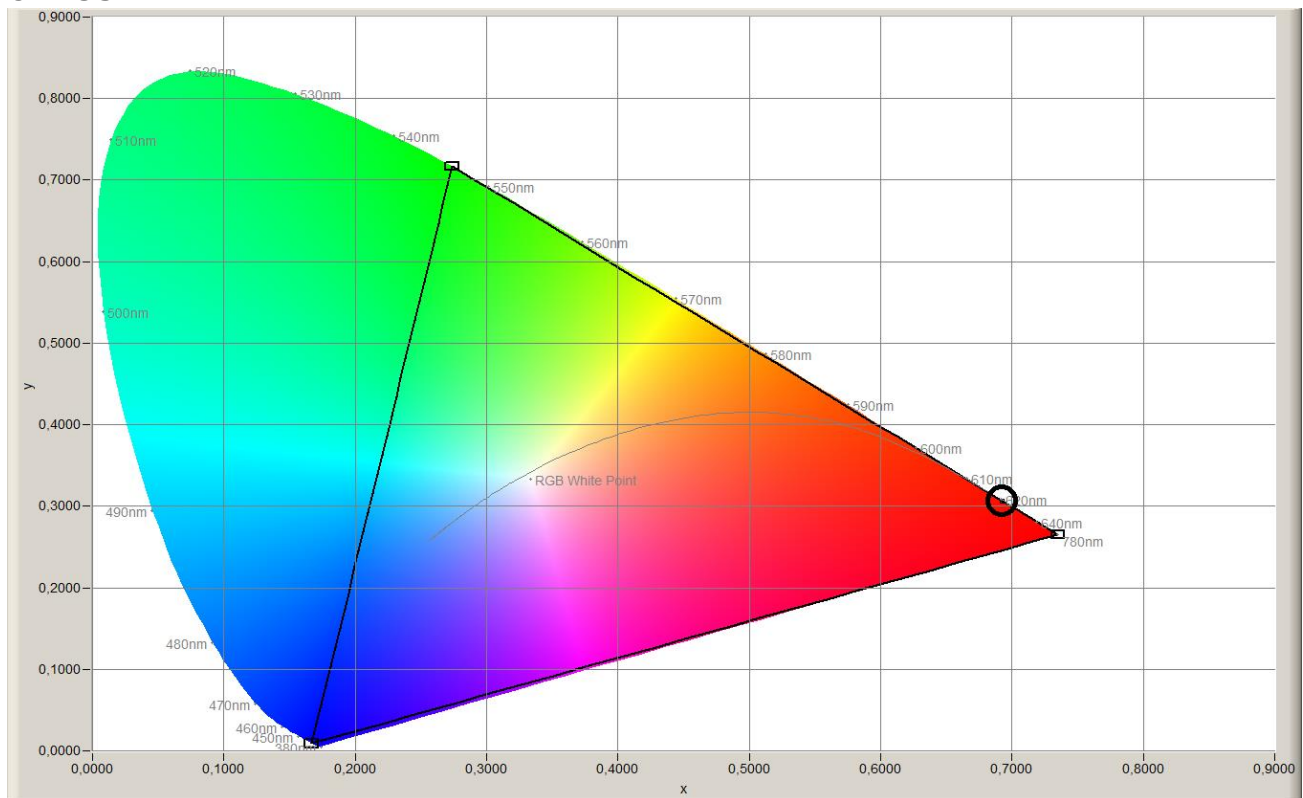
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Technical Specifications			
LS24RG192X2835PLX			
General	LED Type	2835 SMD	
	LED Quantity	192 LEDs/m	
	Dimensions	10000 * 10 * 3 (L x B x H)	
	Length per segment	62,5mm	
	LEDs / segment	12	
	Weight	20 ~ 30g / meter	
	Mounting	3M tape VHB4905	
Environment	Working Temperature	-20°C ~ +70°C	
	Storing Temperature	-20°C ~ +70°C	
	IP Grade	IP68	
	Mechanical Protection	Silicone coating	
	Lifetime	70.000 Hours	
	Warranty	5 Years	
Electronic	Working Voltage	DC24V	
	Working Current	1,66 A / mtr	
	Working Wattage	39,84 W / Meter	
	Working Current Red	0,8 A / Mtr	
	Working Wattage Red	19,2 W / Mtr	
	Working Current Green	0,86 A / mtr	
	Working Wattage Green	20,64 W / mtr	
	Driving Method	Constant Voltage	
Lighting	Engine Colour Temperature (K)	630nm Red	515nm Green
	Measured Colour temp. (at 5cm)	630nm	517nm
	Luminous Flux (Lumen / Meter)	475 lumen	1754 lumen
	Lumen / Watt	24,7 lm/W	85 lm/W
	Viewing Angle (θ)	120 ±5°	

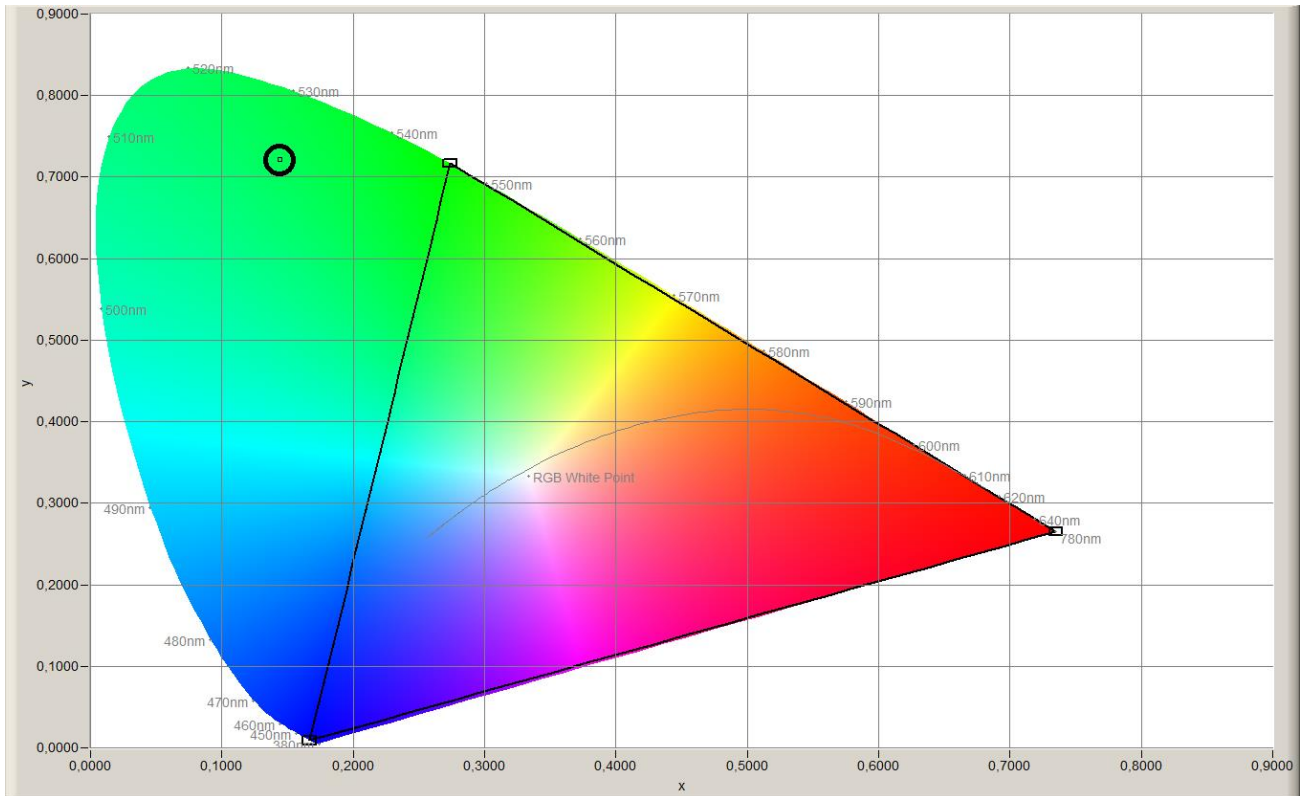
Optical Characteristics Curve:



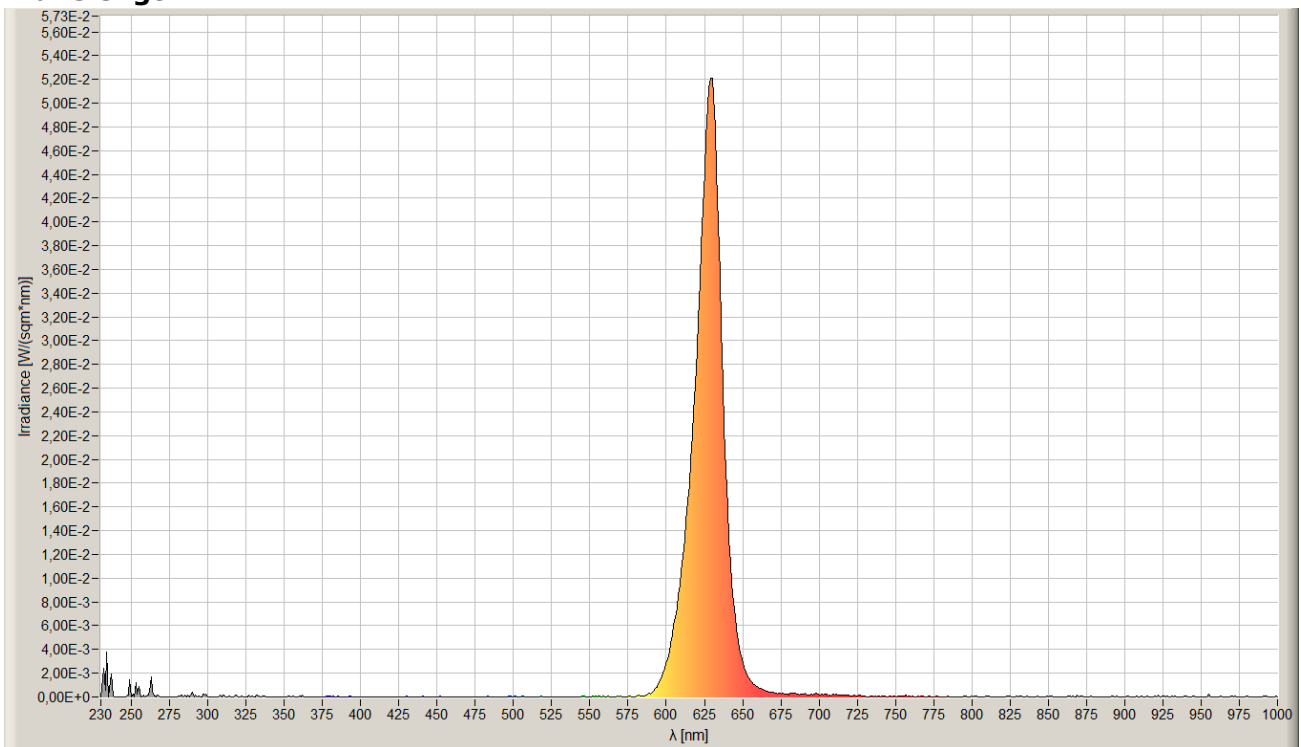
CIE1931 RED:



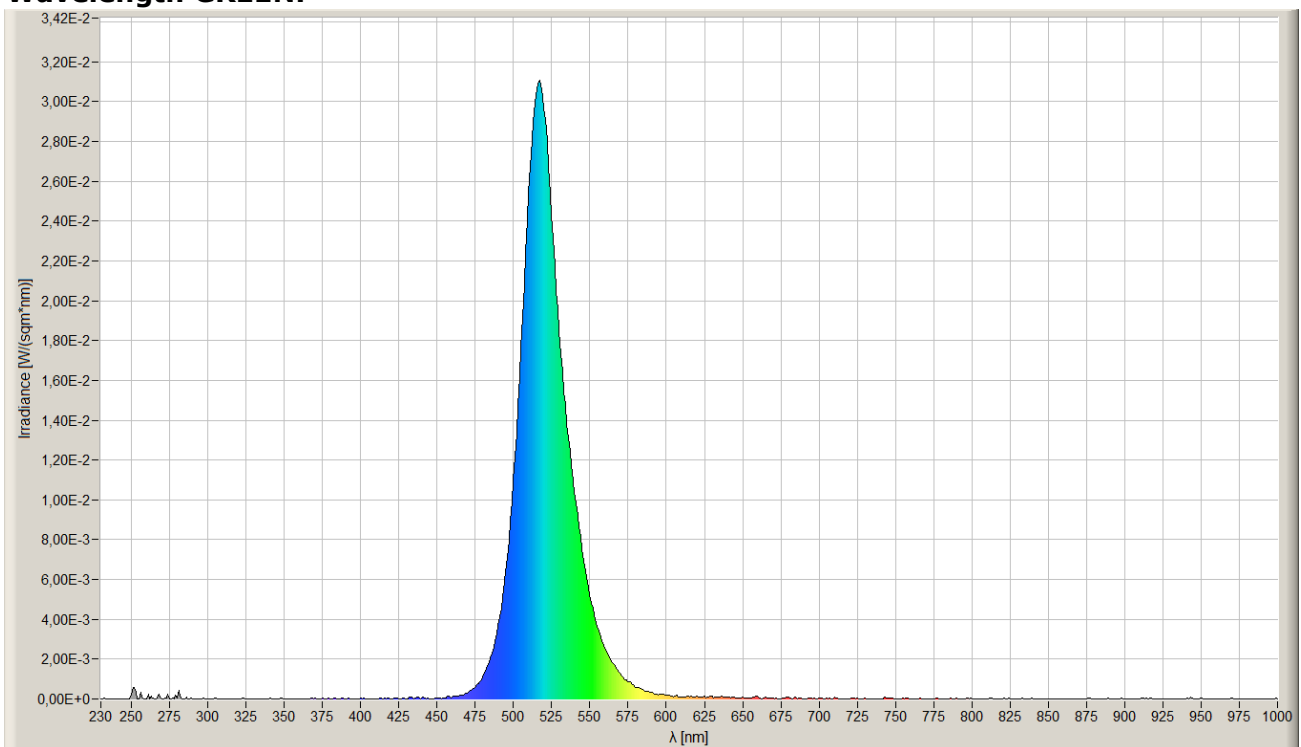
CIE1934 GREEN:



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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