

Datasheet

LED-Engine specification

LED-Engine type:
APCB24RG384X2835ILX

Description:
**LuxaLight Aluminium PCB 24V Red Green 2835
(24 Volt, 384 LEDs, 2835, IP20)**

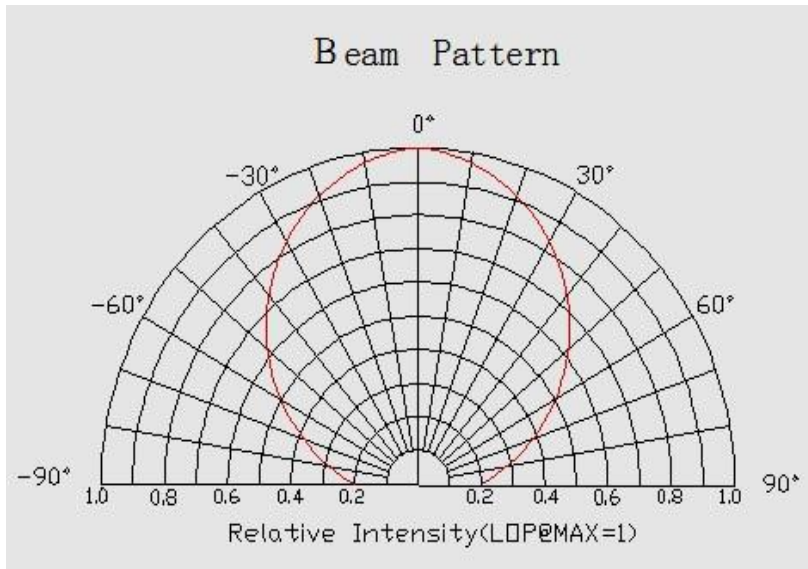


Date:
07-06-2023

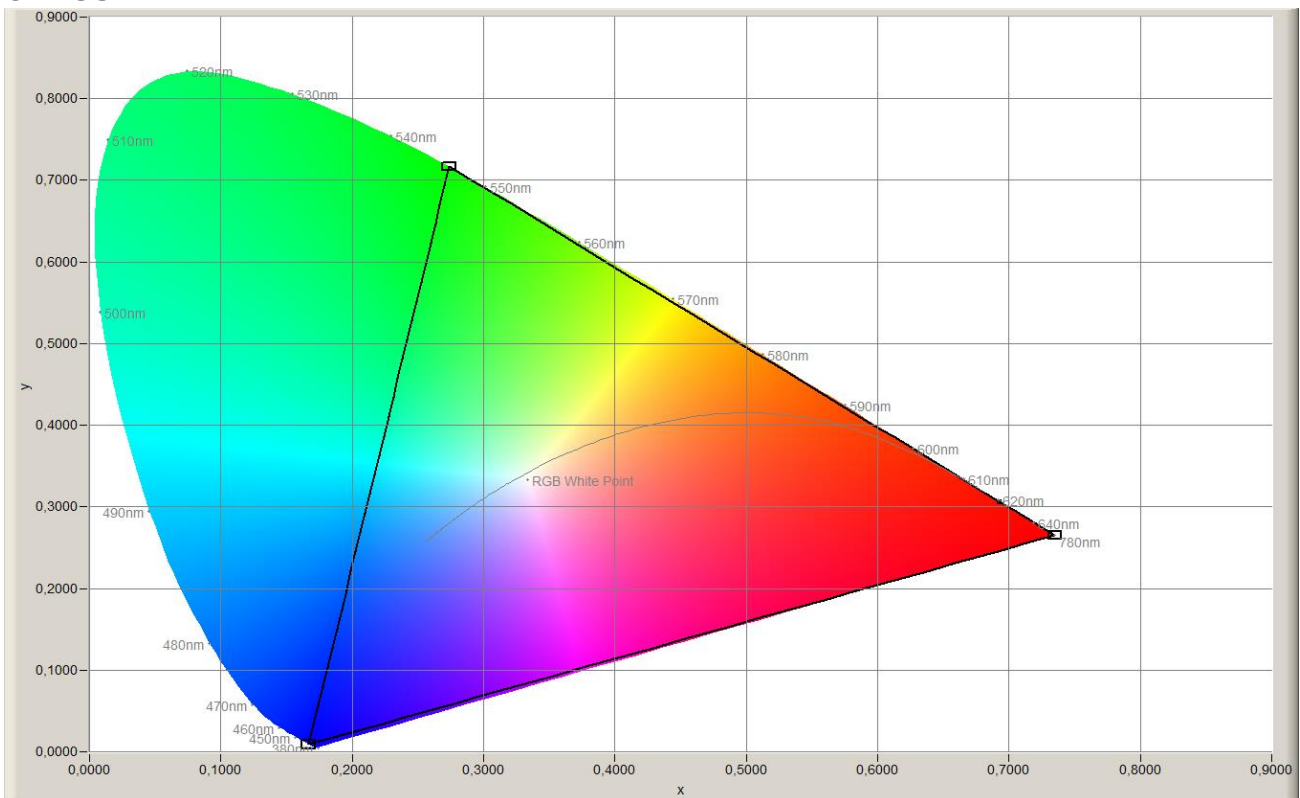
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Technical Specificaties			
APCB24RG384X2835ILX			
General	LED Type	2835 SMD	
	LED Quantity	384 LEDs	
	Dimensions	500 * 30 * 3 (L x B x H)	
	Weight	70g	
	Mounting	N.A.	
Environment	Working Temperature	-20°C ~ +70°C	
	Storing Temperature	-20°C ~ +70°C	
	IP Grade	IP20	
	Mechanical Protection	N.A.	
	Lifetime	70.000 Hours	
	LB Value	L90B50	
	Warranty	5 Years	
Electronic	Working Voltage	DC24V	
	Working Current	2,4 A	
	Working Wattage	57,6 W	
	Working Current Red	1,23A	
	Working Wattage Red	29,52W	
	Working Current Green	1,17A	
	Working Wattage Green	28,08W	
	Driving Method	Constant Voltage	
Lighting	Engine Wavelength (nm)	630nm Red	515nm Green
	Peak Measured Wavelength (5cm)	630nm	517nm
	Luminous Flux (Lumen / Meter)	731 lumen	2386 lumen
	Lumen / Watt	24,7 lm/W	85 lm/W
	Viewing Angle	120 ±5°	

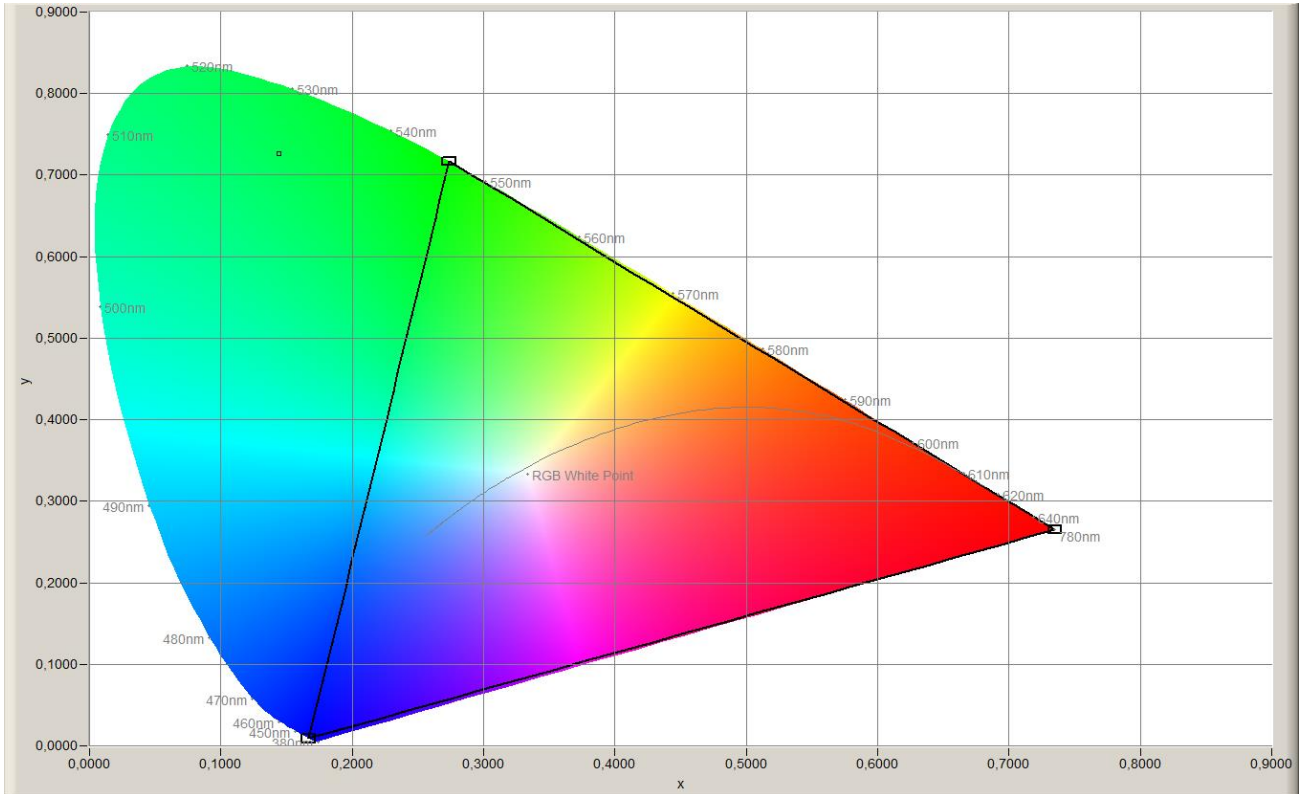
Optical Characteristics Curve:



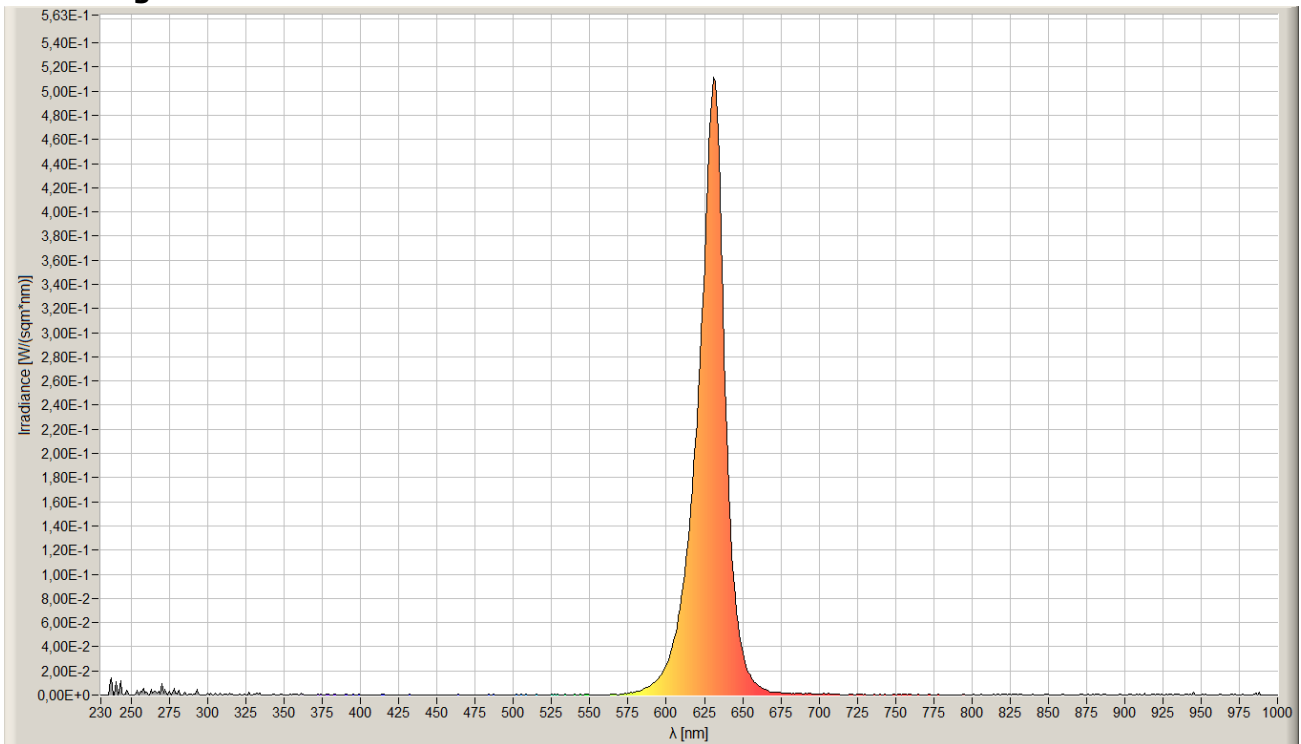
CIE1931 RED:



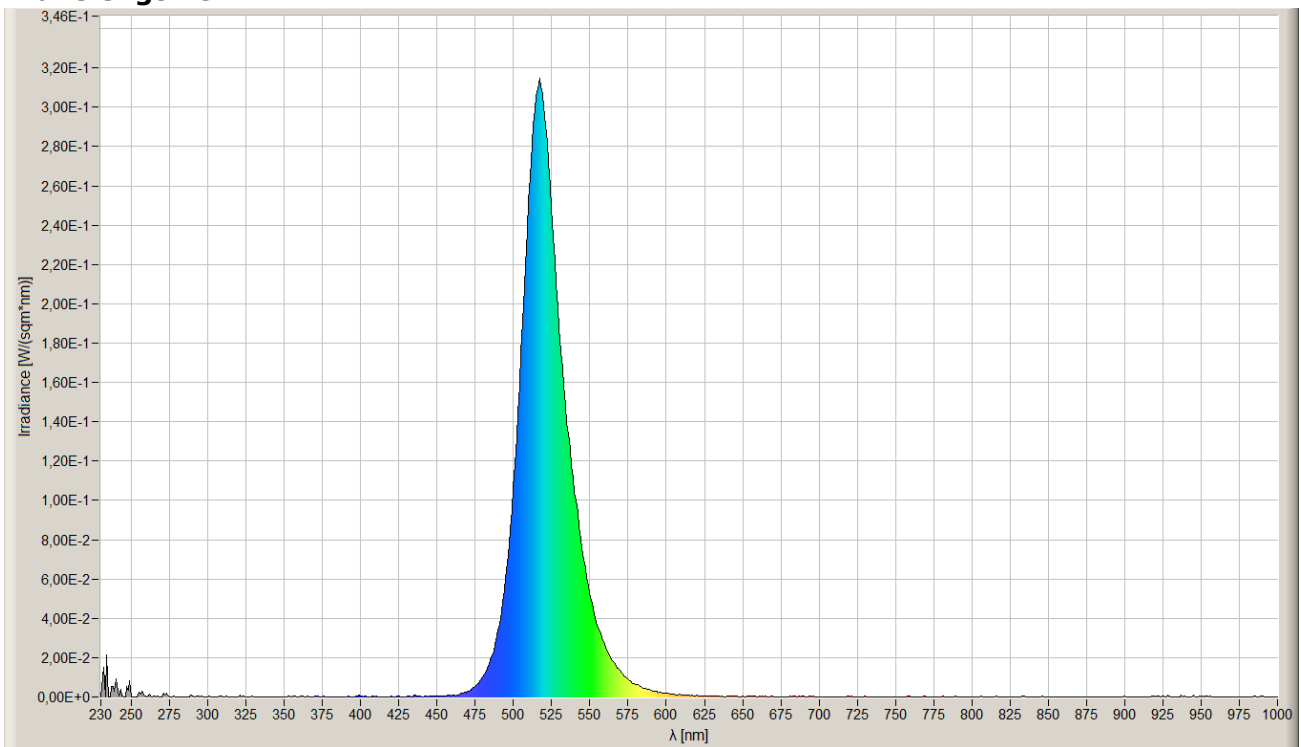
CIE1934 GREEN:



Wavelength RED:



Wavelength GREEN:



The Materials of PCB:

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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