

Datasheet

LED strip specification

LED strip type:

LS12RGB96GS8208VPLX

Description:

**LuxaLight Long Life LED strip GS8208 12V Digital RGB Protected High Power
(12 Volt, 96 LEDs, 5050, IP64)**



Date:
21-07-2021

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Parameters:

Basic Parameters	
LED Type	5050 SMD
Color	RGB
Viewing Angle (θ)	120 ±5°
LED Qty	96 LEDs / mtr
LEDs per pixel	1
Numbers of channels	3
IC type	GS8208
IP grade	IP64 Silicone
Dimensions	1000 * 12 * 4mm
Weight	35g ~ 40g / meter
Lifespan	70,000hours
Warranty	5 Years

Environment Parameters	
Working Temperature	-25°C ~ +70°C
Storage Temperature	-20°C ~ +60°C

Electronic Specifications	
Working Voltage	DC 12V
Working Current	1.6 A / mtr
Working Wattage	19.2 W / mtr
Driving Method	Constant Voltage

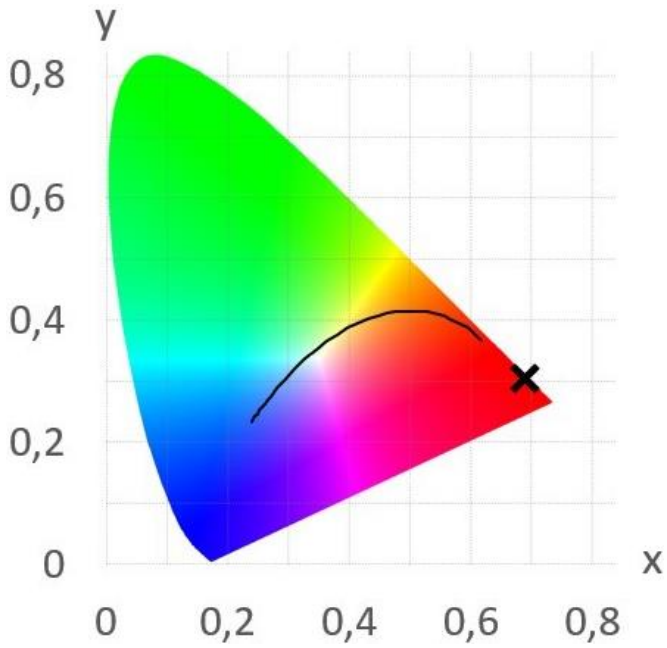
Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	10,416mm
LEDs / segment	1
Standard length on a reel	10m

Luminous Flux (Lumen/Meter)	
Red	200 Lumen
Green	290 Lumen
Blue	185 Lumen

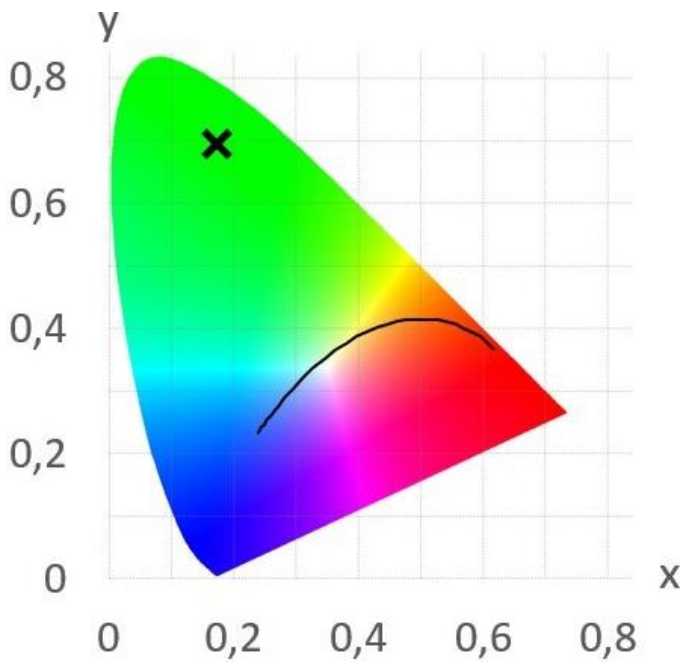
Wavelength/ Color Temperature	(nm/k)
Red	620~630 nm
Green	510~525 nm
Blue	455~470 nm

Wire color	Symbol	Function description
White	GND	Ground
Green	D1	Data 1
Blue	D2	Data 2
Red	+12V	12V logic power supply

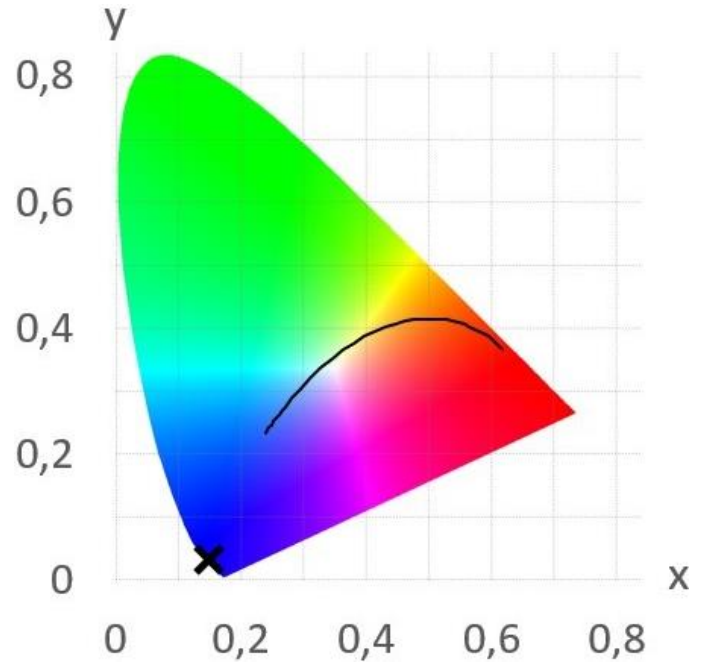
CIE1931 RED:



CIE1931 Green:

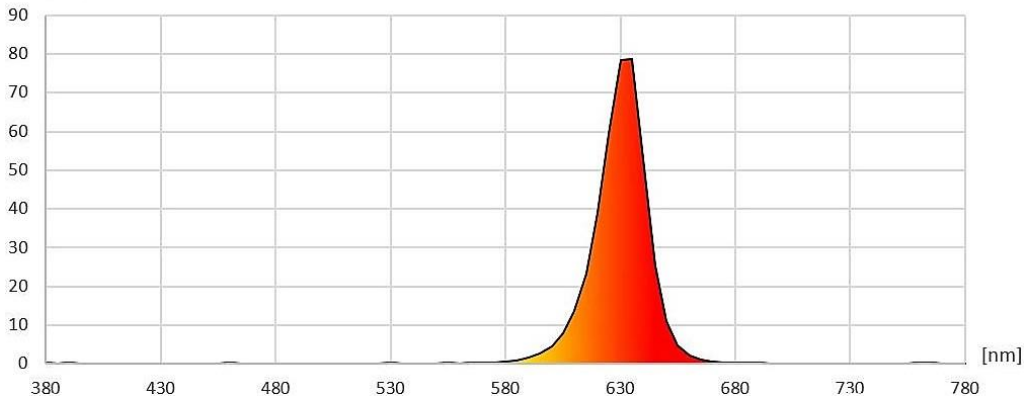


CIE1931 Blue:



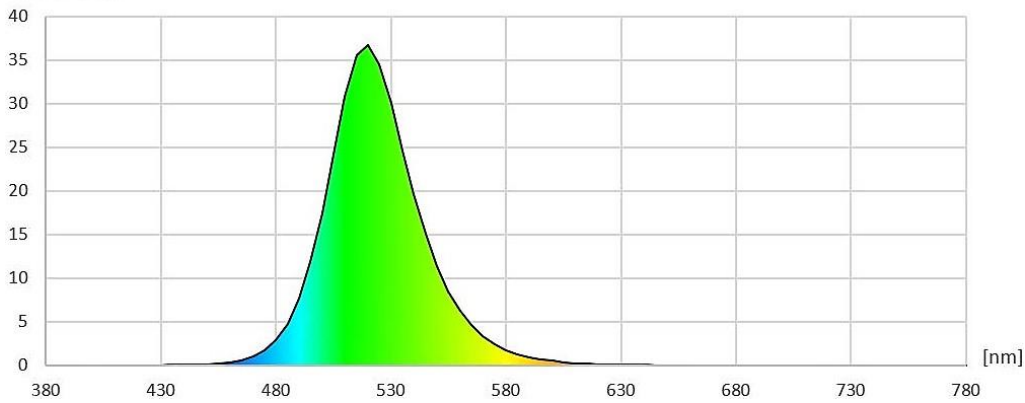
Wavelength Red:

mW/m²/nm



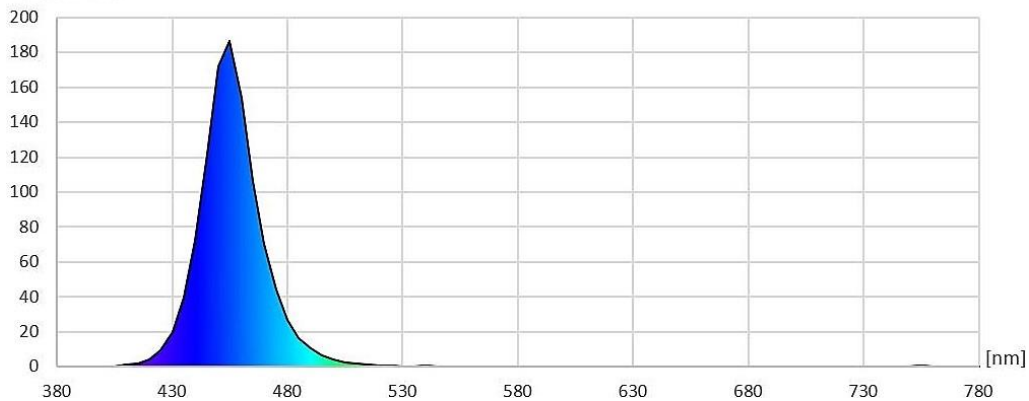
Wavelength Green:

mW/m²/nm



Wavelength Blue:

mW/m²/nm



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:

- EN 55015: 2019 + A1: 2015 + A2: 2009 •
- EN 61000-3-2: 2019 + A1: 2009 + A2: 2009 •
- EN 61000-3-3: 2013
- EN 61547: 2009

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