

# Datasheet

LED Strip Specification

LED strip type:  
**LS5RGB60APA102CILX**

Description:  
**LuxaLight Long Life LED-strip APA102C Digital SPI RGB Indoor High Power  
(5 Volt, 60 LEDs, 5050, IP20)**



Date:  
11-7-2015

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## Parameters:

Basic Parameters	
LED Type	5050 SMD
Color	RGB
Viewing Angle (θ)	120 ±5°
LED Qty	60 LEDs / mtr
LEDs per pixel	1
Numbers of channels	3
IC type	APA102
IP grade	IP20
Dimensions	1000 * 10 * 3mm
Weight	35g ~ 40g / meter
Lifespan	50.000 hours
LB Value	L80B50
Warranty	2 Years

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

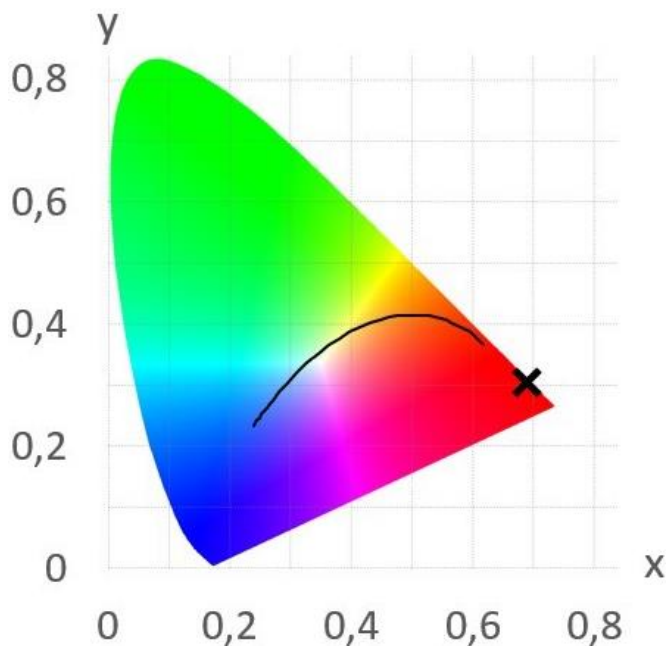
Electronic Specifications	
Working Voltage	DC 5V
Working Current	3.6 A / mtr
Working Wattage	18 W / mtr
Driving Method	Constant Voltage

Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	16.67 mm
LEDs / segment	1
Standard length on a reel	10m

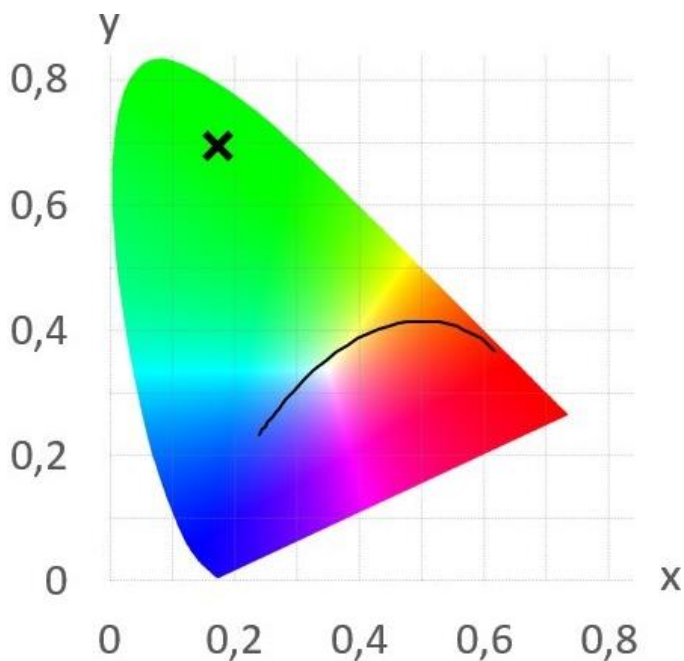
Luminous Flux (Lumen/Meter)	
Red	200 Lumen
Green	290 Lumen
Blue	185 Lumen

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

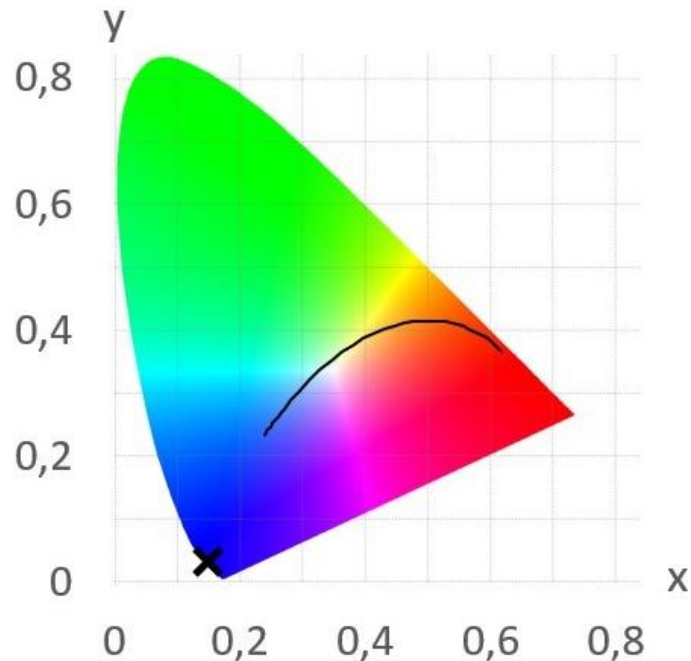
**CIE1931 RED:**



**CIE1931 Green:**

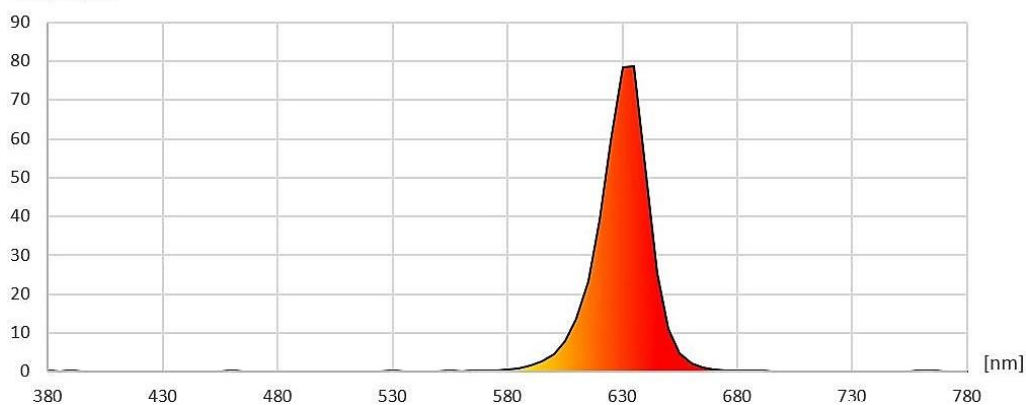


**CIE1931 Blue:**



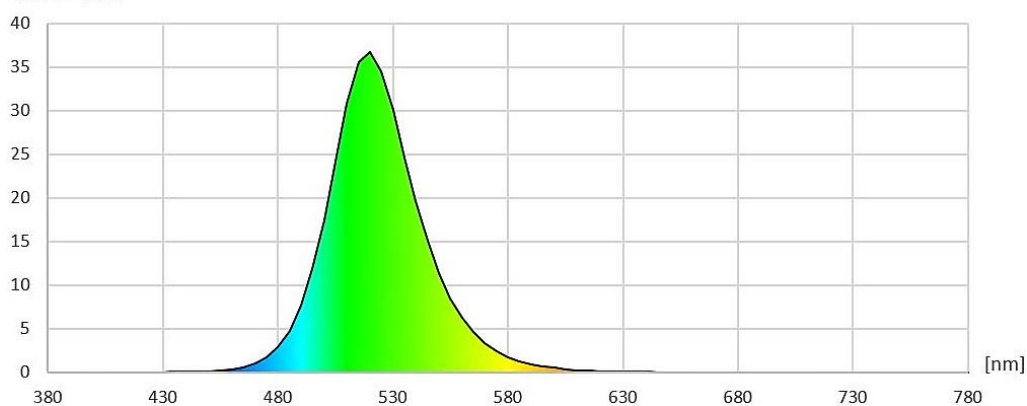
## Wave Length Red:

mW/m<sup>2</sup>/nm



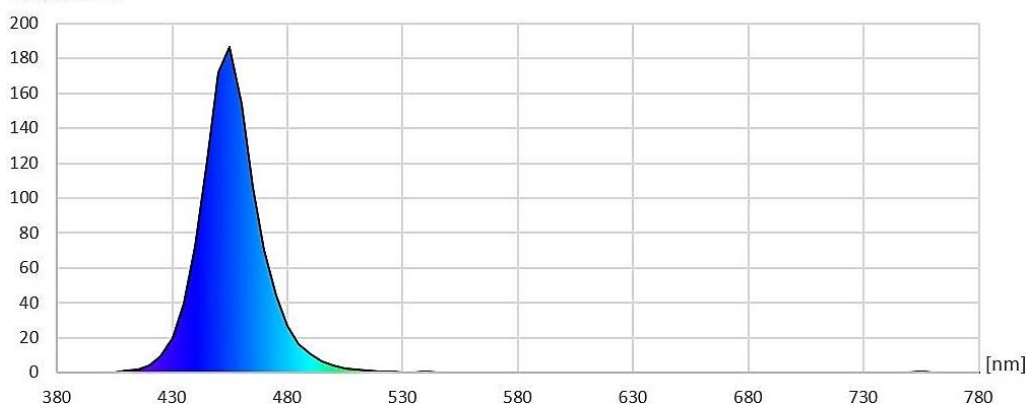
## Wave Length Green:

mW/m<sup>2</sup>/nm



## Wave Length Blue:

mW/m<sup>2</sup>/nm



## **The Materials of PCB:**

Epoxy PCB with white finishing.  
Conducting Tracks: Cu, 35um thickness, double sided.

Solderings:  
Solder Alloy: 99.3 Sn, 0.7 Cu,  
Melting Temperature: 227°C  
No SVHC (17-Dec-2014)

## **Certificate of Conformity:**

EC Council Directive 2004/108/EC  
Electromagnetic Compatibility

Complies to the Standards:

- EN 55015: 2006 + A1: 2007 + A2: 2009
- EN 61000-3-2: 2006 + A1: 2009 + A2: 2009
- EN 61000-3-3: 2008
- EN 61547: 2009

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