

Datasheet

LED-strip specification

LED-strip type:

LS5RGBWW60BLKSK6812PLX

Description:

**LuxaLight Long Life LED-strip SK6812 RGB+ Warm White High Power
Protected Black PCB
(5 Volt, 60 LEDs, 5050, IP64)**



Date:
21-07-2021

Page 1 of 5

Basic Parameters	
LED Type	5050 SMD
Color	RGB + Warm white
CRI	≥ 80 Ra
Viewing Angle (θ)	120 ±5°
LED Qty	60 LEDs/ mtr
Numbers of channels	4
IC type	SK6812
IP grade	IP64 Silicone
Dimensions	1000 * 10 * 4mm
Weight	35g ~ 50g/ meter
Lifespan	50,000hours
BIN	3 SDCM
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	3.84 A/ mtr
Working Wattage	19.2 W/ mtr
Driving Method	Constant Voltage

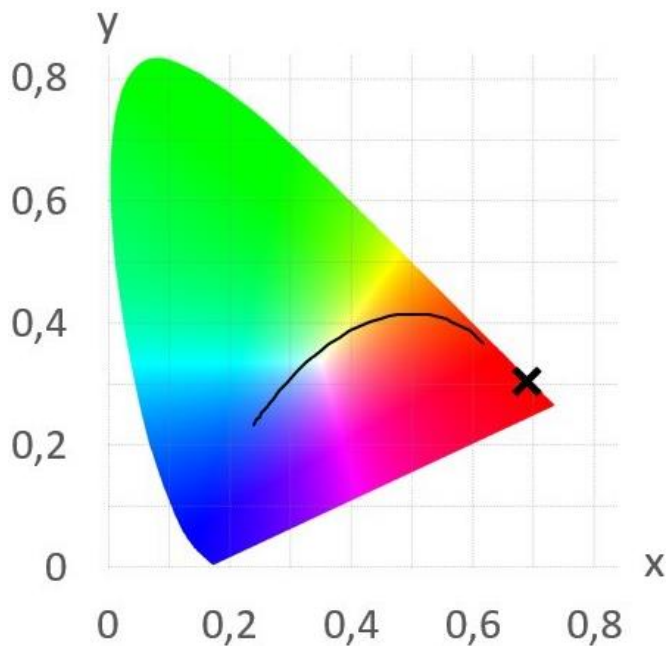
Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	16.67 mm
LEDs / segment	1
Standard length on a reel	10m

Luminous Flux (Lumen/Meter)	
Red	200 Lumen
Green	290 Lumen
Blue	185 Lumen
Warm White	950 Lumen

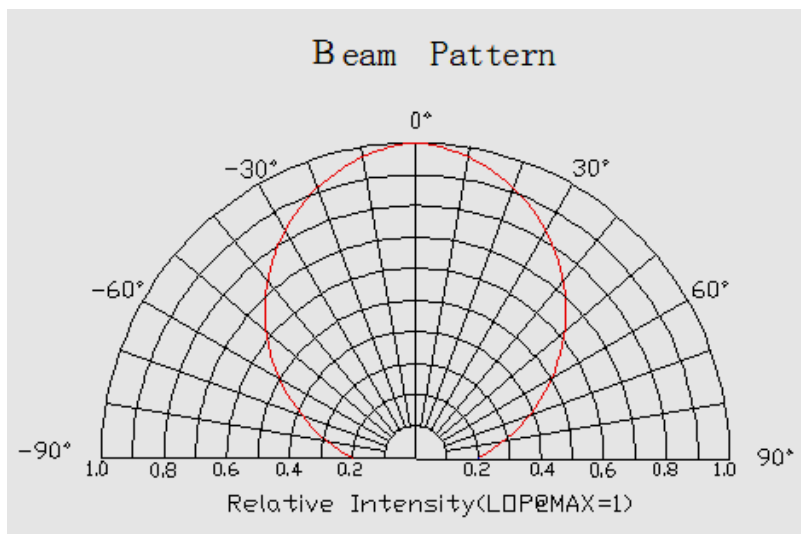
Wavelength/ Color Temperature	(nm/k)
Red	620~630 nm
Green	510~525 nm
Blue	455~470 nm
Warm White	2700K

Wire color	Symbol	Function description
White	-	Ground
Green	Di	Data IN
Red	+5V	5V logic power supply

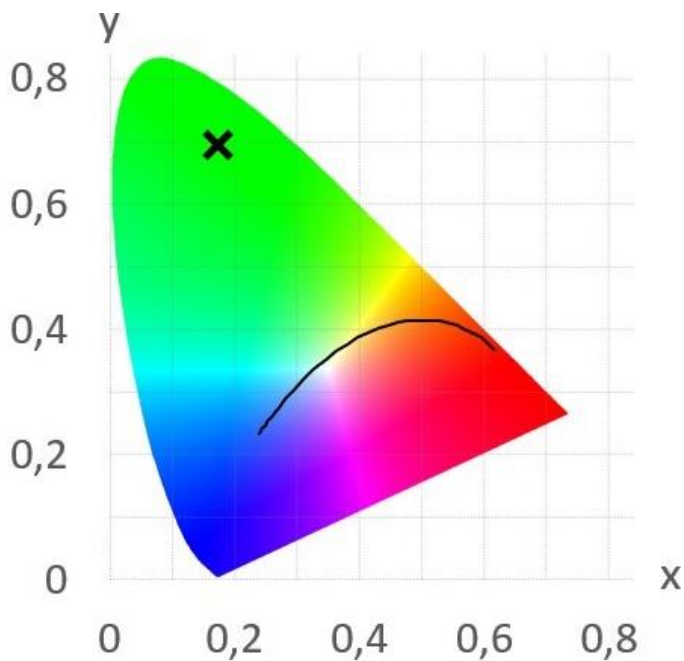
CIE1931 RED:



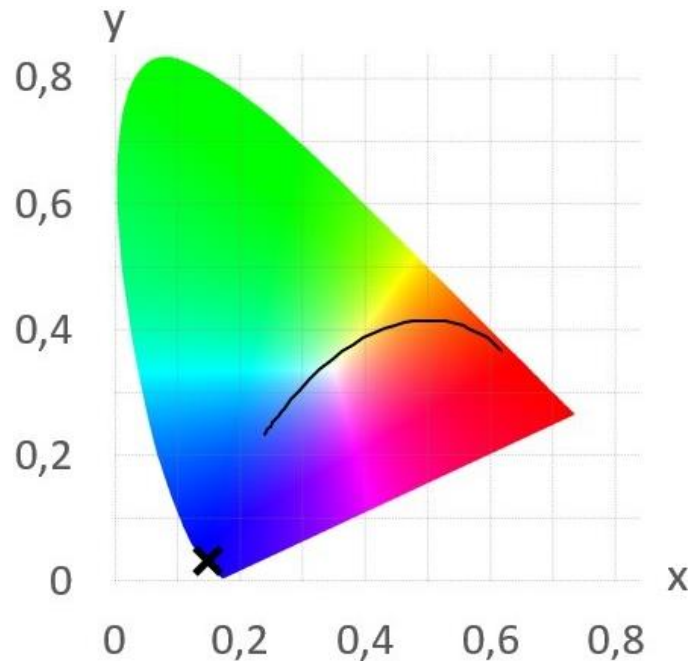
Optical Characteristics Curve:



CIE1931 Green:

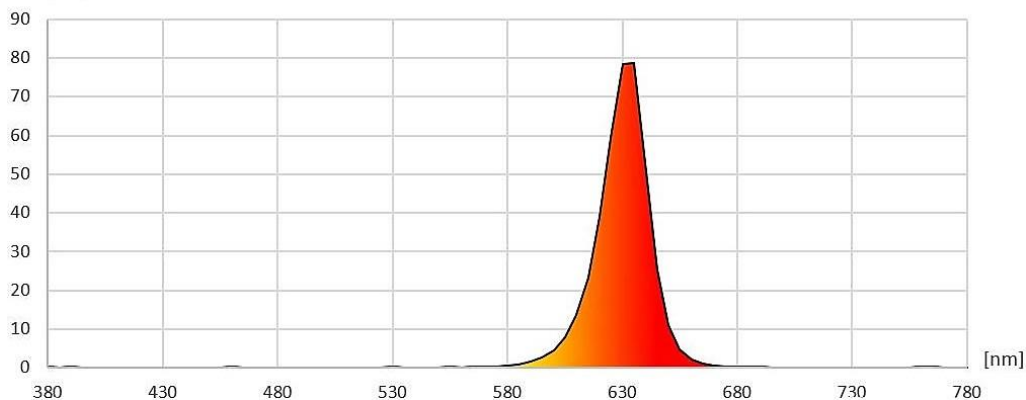


CIE1931 Blue:



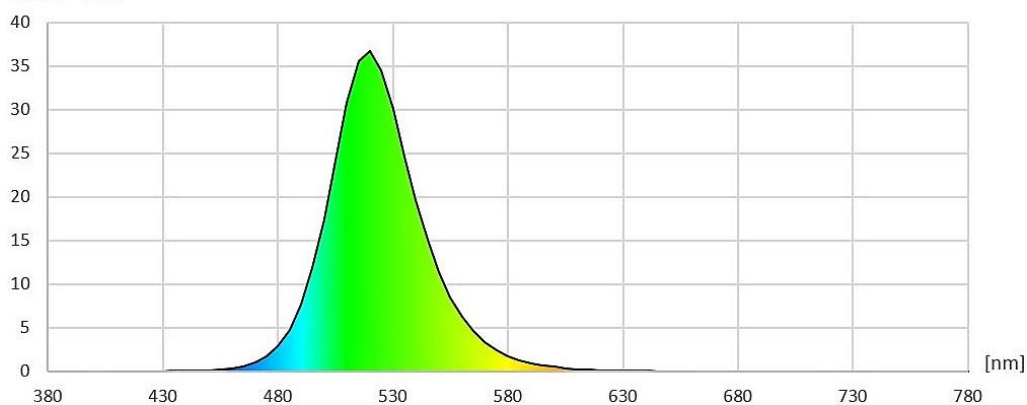
Wavelength Red:

mW/m²/nm



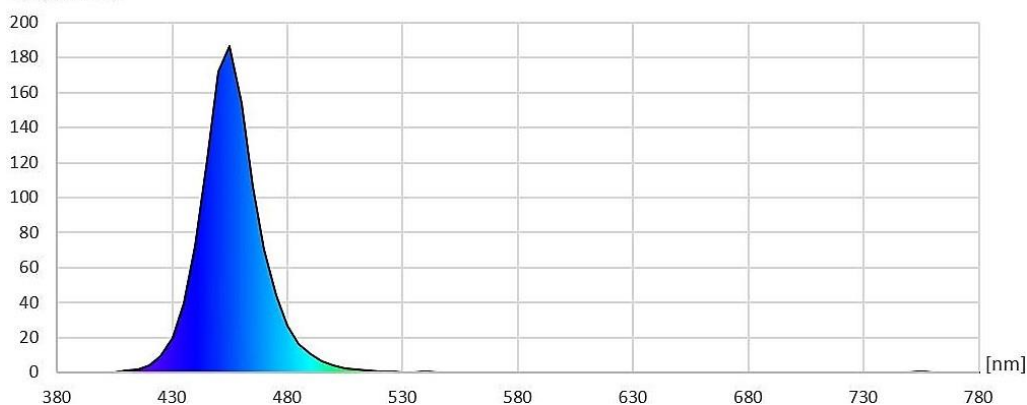
Wavelength Green:

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

While LuxaLight has made every reasonable effort to ensure the accuracy of the information in this brochure, LuxaLight does not guarantee that it is error-free, nor does LuxaLight make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. LuxaLight reserves the right to make any adjustments to the information contained herein at any time without notice. LuxaLight expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalogue are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult LuxaLight for the latest dimensions and design specifications.