

Datasheet

LED-strip specification

LED-strip type:
LS30RGB60X5050ILX

Description:
**LuxaLight LED-strip 30V Full Color Indoor 5050
(30 Volt, 60 LEDs, 5050, IP20)**



Date:
14-09-2022

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| Basic Parameters | |
|-------------------|------------------|
| LED Type | 5050 SMD |
| Color | RGB |
| Viewing Angle (θ) | 120 ±5° |
| LED Qty | 60 LEDs/ mtr |
| IP grade | IP20 |
| Dimensions | 1000 * 10 * 3mm |
| Weight | 20g ~ 30g/ meter |
| Mounting | 3M tape VHB4905 |
| Lifespan | 70,000hours |
| LB Value | L80B50 |
| BIN | 3 SDCM |
| Warranty | 5 Years |

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

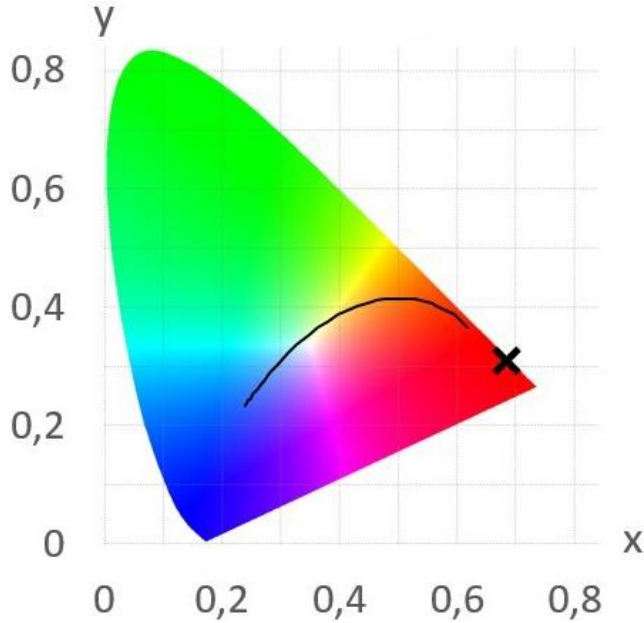
| Electronic Specifications | |
|---------------------------|------------------|
| Working Voltage | DC30V |
| Working Current | 3x 0.2A/ mtr |
| Working Wattage | 14.4 W/ mtr |
| Driving Method | Constant Voltage |

| Wires & connection length | |
|---------------------------|------------------|
| Wires | UL1007 20# 150mm |
| Length per segment | 100mm |
| LEDs / segment | 6 |
| Standard length on a reel | 10m |

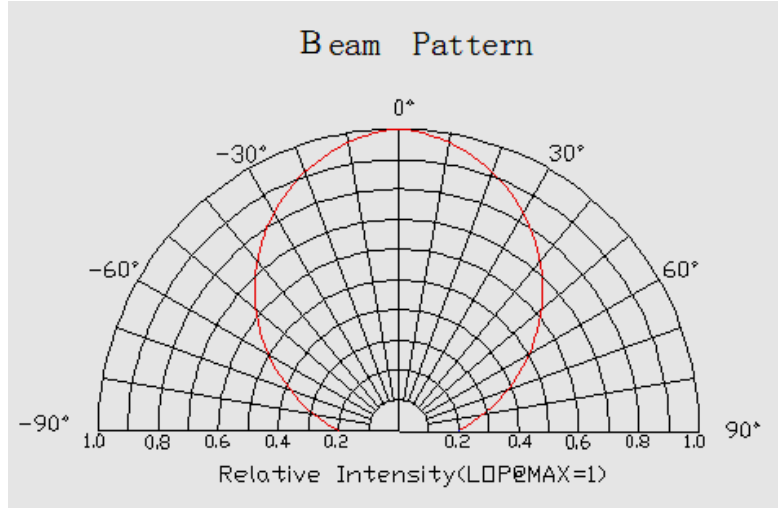
| Luminous Flux (Lumen/Meter) | |
|-----------------------------|-----------|
| Red | 200 Lumen |
| Green | 290 Lumen |
| Blue | 185 Lumen |

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

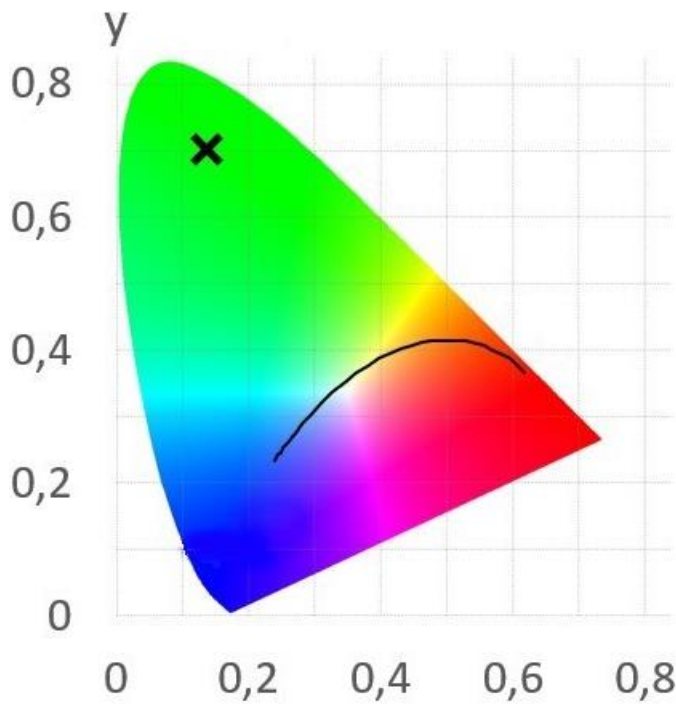
CIE1931 Red:



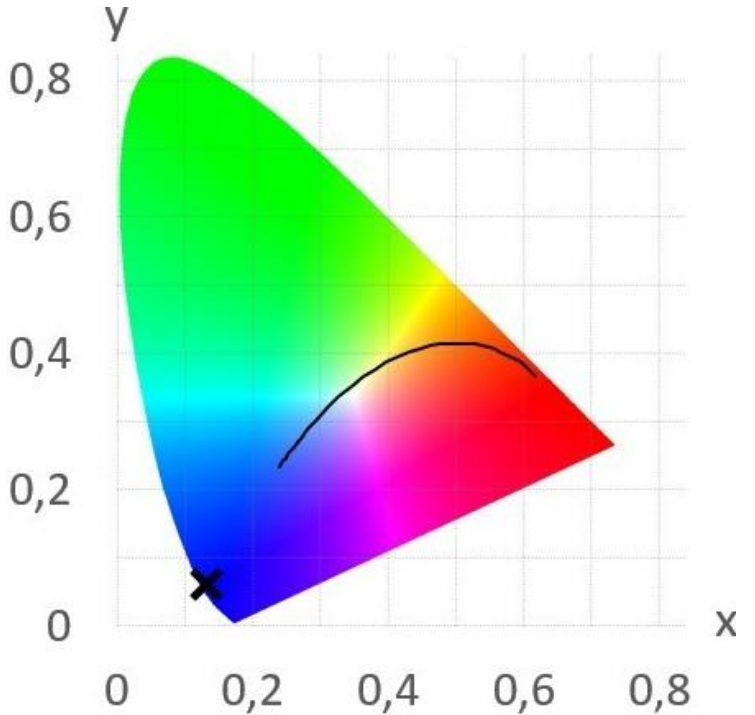
Optical Characteristics Curve:



CIE1931 Green:

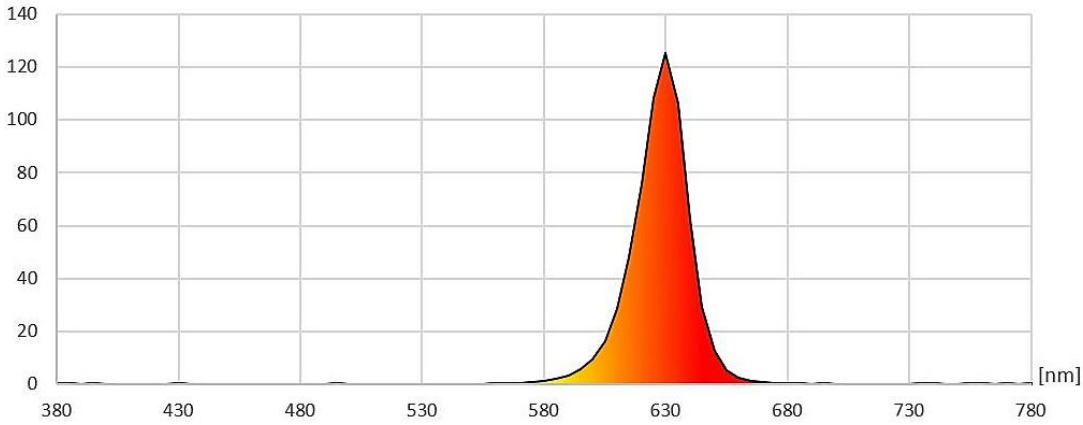


CIE1931 Blue:



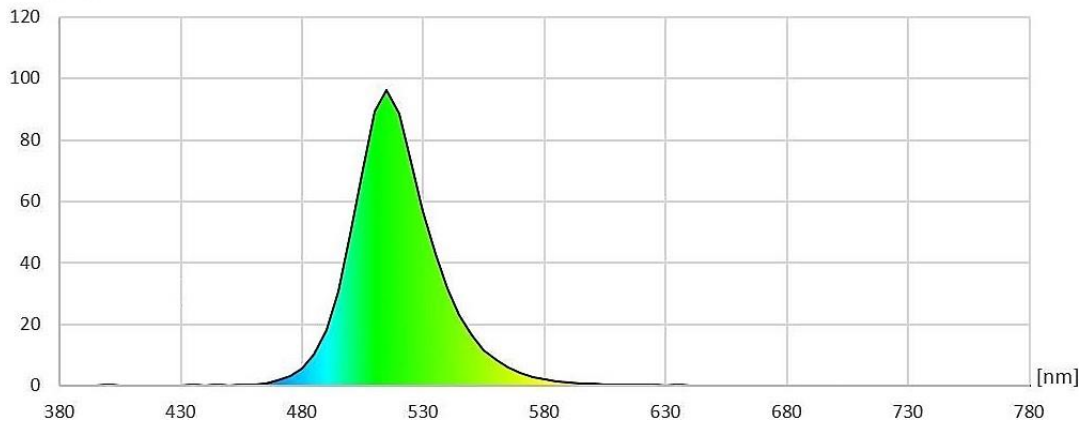
Wavelength Red:

mW/m²/nm



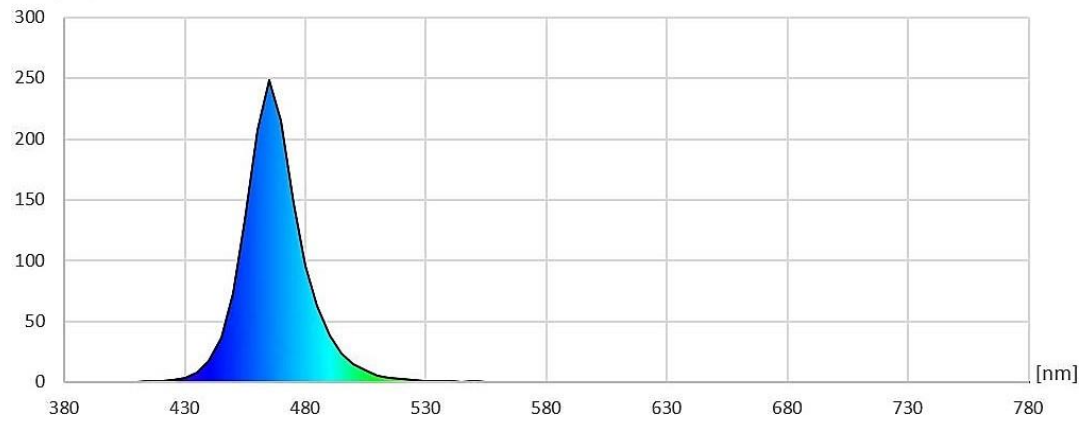
Wavelength Green:

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:

- 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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