

## Datasheet

LED-strip specification

LED-strip type:  
**LS12W120X2835PLX**

Description:  
**LuxaLight Long Life LED Strip 12V White Protected 2835  
(12 Volt, 120 LEDs, 2835, IP64)**



Date:  
14-12-2021

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| Basic Parameters  |                  |
|-------------------|------------------|
| LED Type          | 2835 SMD         |
| Color             | White            |
| CRI               | ≥ 90 Ra          |
| Viewing Angle (θ) | 120 ±5°          |
| LED Qty           | 120 LEDs/ mtr    |
| IP grade          | IP64 Silicone    |
| Dimensions        | 1000 * 10 * 4mm  |
| Weight            | 35g ~ 50g/ meter |
| Mounting          | 3M VHB4905       |
| Lifespan          | 70,000hours      |
| LB Value          | L90B50           |
| BIN               | 3 SDCM           |
| Warranty          | 5 Years          |

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

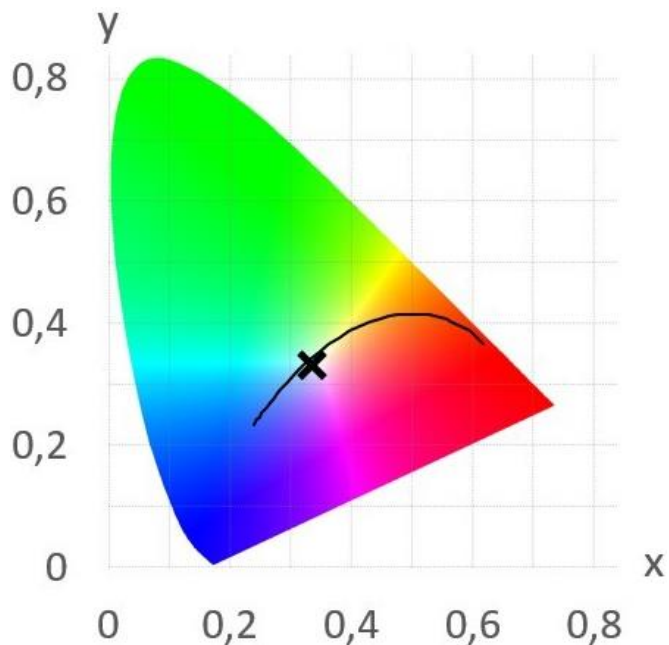
| Electronic Specifications |                  |
|---------------------------|------------------|
| Working Voltage           | DC12V            |
| Working Current           | 1.6 A/ mtr       |
| Working Wattage           | 19.2 W/ mtr      |
| Driving Method            | Constant Voltage |

| Wires & connection length |                  |
|---------------------------|------------------|
| Wires                     | UL1007 20# 150mm |
| Length per segment        | 25mm             |
| LEDs / segment            | 3                |
| Standard length on a reel | 10m              |

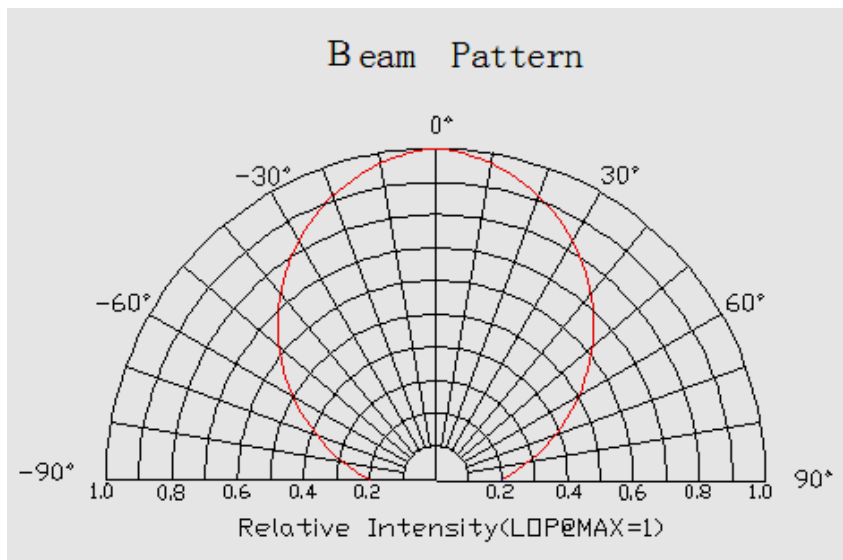
| Luminous Flux (Lumen/Meter) |              |
|-----------------------------|--------------|
| White                       | ≈ 2500 Lumen |
|                             |              |
|                             |              |

| Wavelength/ Color Temperature | (nm/k)      |
|-------------------------------|-------------|
| White                         | 5300~5500 K |
|                               |             |
|                               |             |

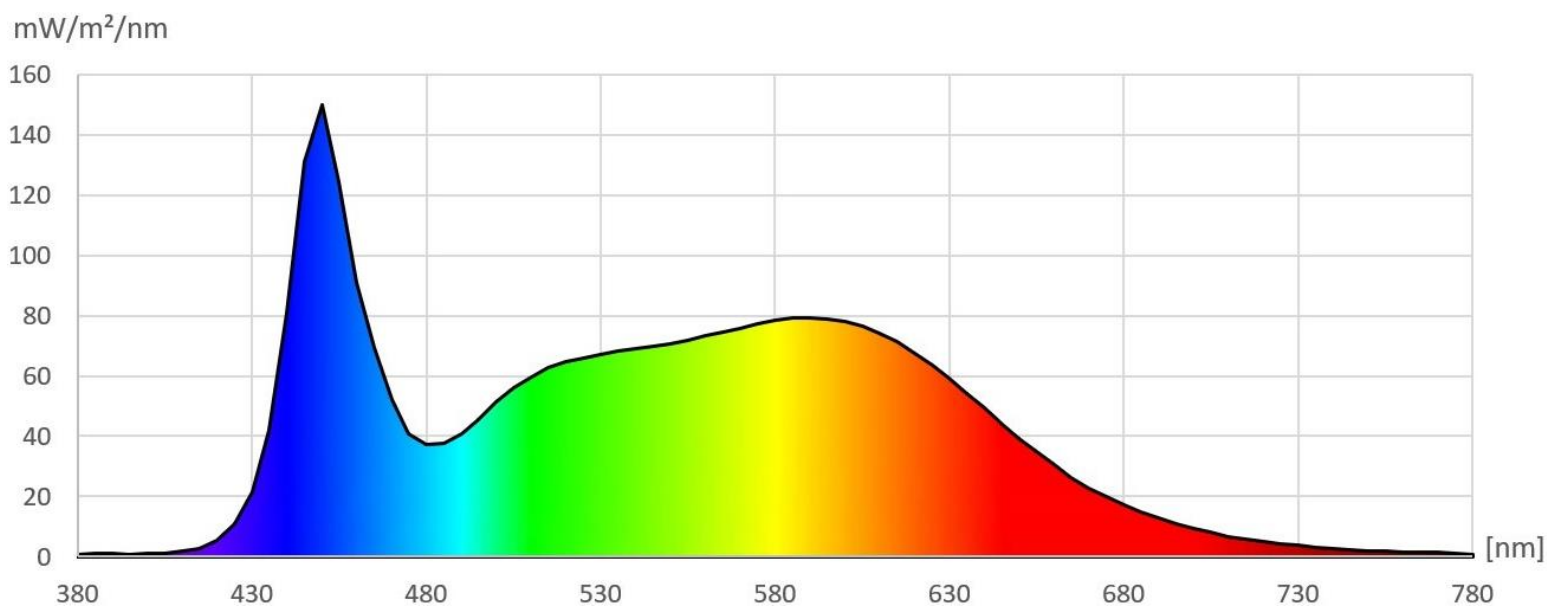
**CIE1931 White:**



**Optical Characteristics Curve:**



**Wavelength White:**



**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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