

## Datasheet

LED-strip specification

LED-strip type:  
**LS24R140X2835WLX**

Description:  
**LuxaLight LED-strip 24V Red Waterproof 2835  
(24 Volt, 140 LEDs, 2835, IP68)**



Date:  
14-09-2022

Page 1 of 4

Basic Parameters	
LED Type	2835 SMD
LED Qty	140 LEDs/ mtr
IP grade	IP68 Silicone
Dimensions	1000 * 12 * 5mm
Weight	75g ~ 90g/ meter
Mounting	3M VHB4905
Lifespan	70,000hours
LB Value	L90B50
BIN	3 SDCM
Warranty	5 Years

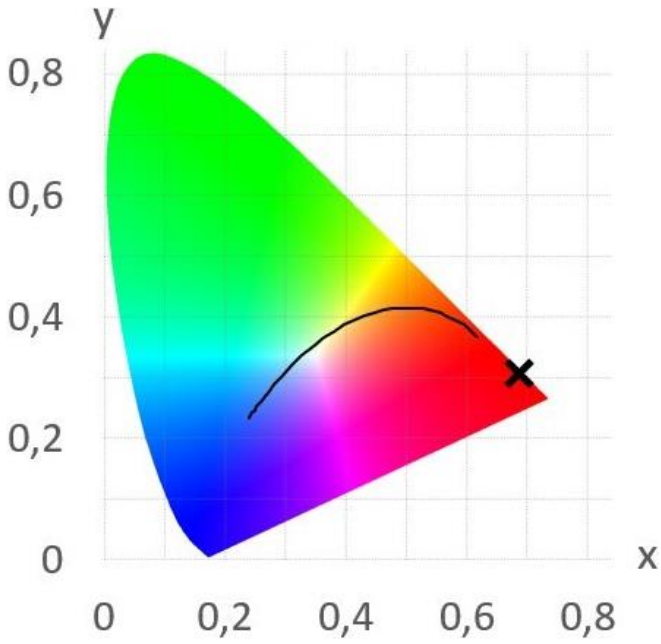
Environment Parameters	
Working Temperature	-25°C ~ +70°C
Storage Temperature	-20°C ~ +60°C

Electronic Specifications	
Working Voltage	DC24V
Working Current	1A/ mtr
Working Wattage	24W/ mtr
Driving Method	Constant Voltage

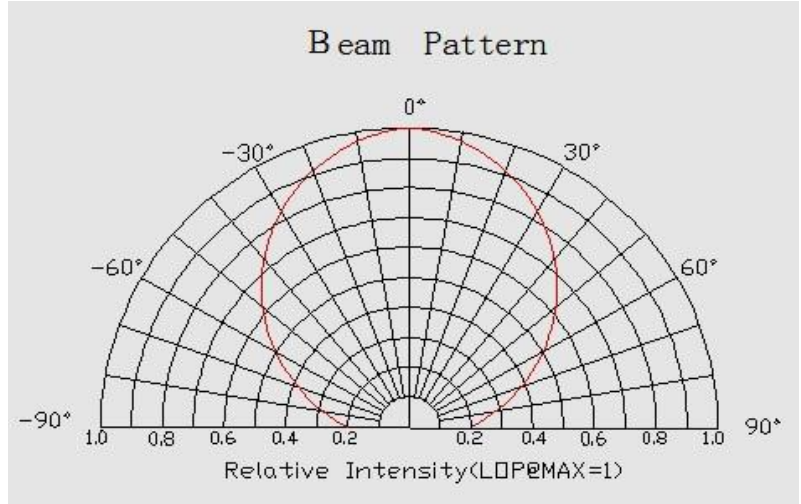
Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	50mm
LEDs / segment	7
Standard length on a reel	10m

Lighting Specifications	
Luminous Flux	593 lm
Wavelength	620~630 nm Red
Viewing Angle (θ)	120 ±5°
PPFD at 10cm	124 μmol/s*m <sup>2</sup>
PPFD at 20cm	41 μmol/s*m <sup>2</sup>
PPFD at 30cm	22 μmol/s*m <sup>2</sup>

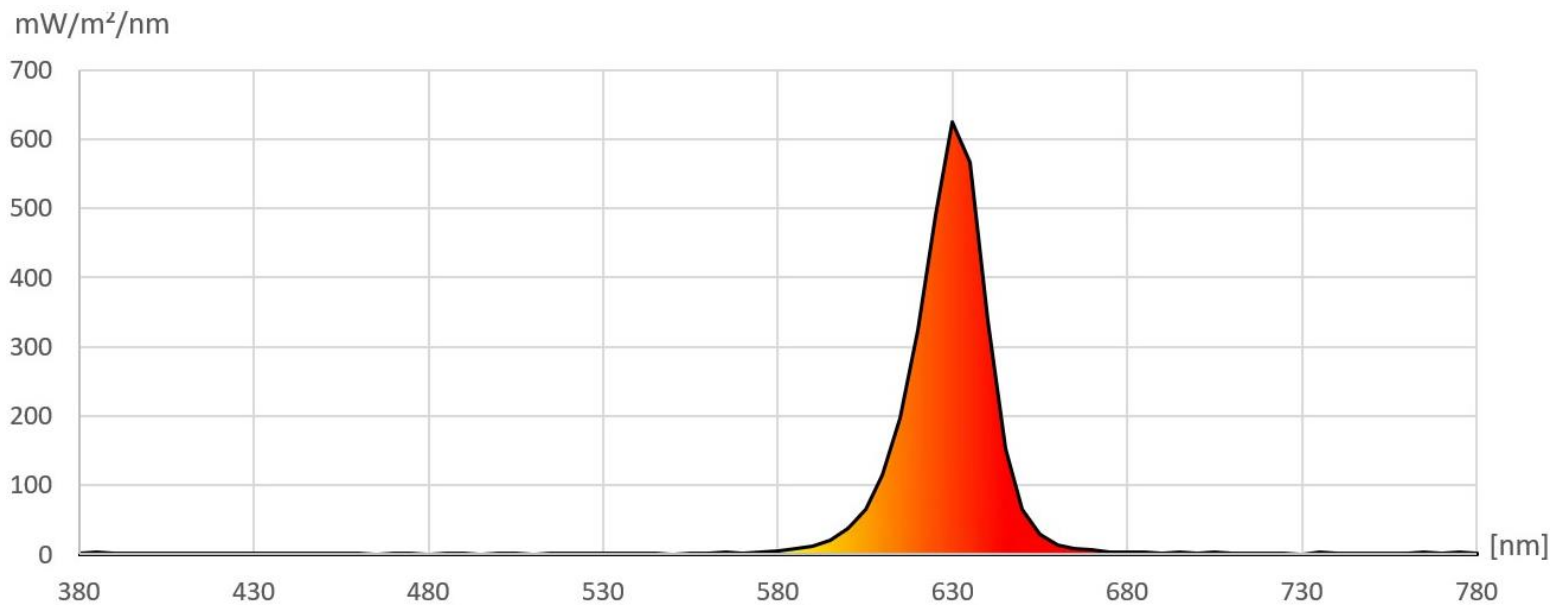
**CIE1931 Red:**



**Optical Characteristics Curve:**



**Wavelength Red:**



**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

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.