

## Datasheet

LED-strip specification

LED-strip type:  
**LS24CW140X2835PLX**

Description:  
**LuxaLight LED-strip 24V Cool White Protected 2835  
(24 Volt, 140 LEDs, 2835, IP64)**



Date:  
14-09-2022

Page 1 of 4

Basic Parameters	
LED Type	2835 SMD
CRI	≥ 95 Ra
Viewing Angle (θ)	120 ±5°
LED Qty	140 LEDs/ mtr
Dimensions	1000 * 10 * 4mm
Mounting	3M tape VHB4905
Weight	35g ~ 50g/ meter
Lifespan	70,000hours
LB Value	L90B50
BIN	3 SDCM
Warranty	5 Years

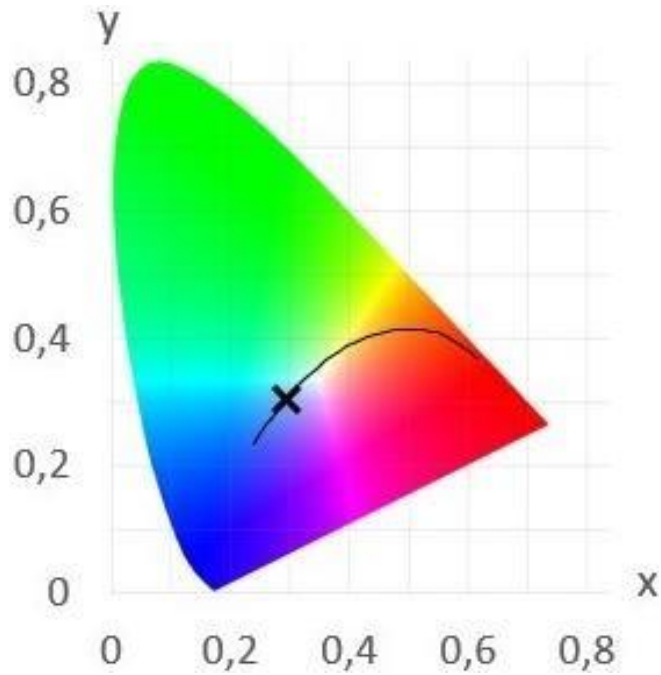
Environment Parameters	
Working Temperature	-25°C ~ +70°C
Storage Temperature	-20°C ~ +60°C

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

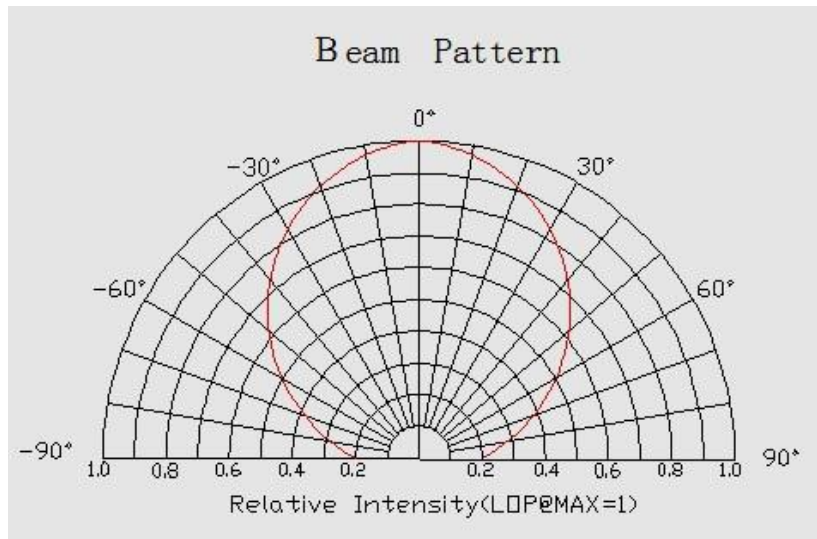
Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	50mm
LEDs / segment	7
Standard length on a reel	10m

Lighting Specifications	
Luminous Flux	3100 Lumen
Color Temperature	7900 ~ 8100K Warm White
Viewing Angle (θ)	120 ±5°
PPFD at 10cm	182 μmol/s*m <sup>2</sup>
PPFD at 20cm	65 μmol/s*m <sup>2</sup>
PPFD at 30cm	34 μmol/s*m <sup>2</sup>

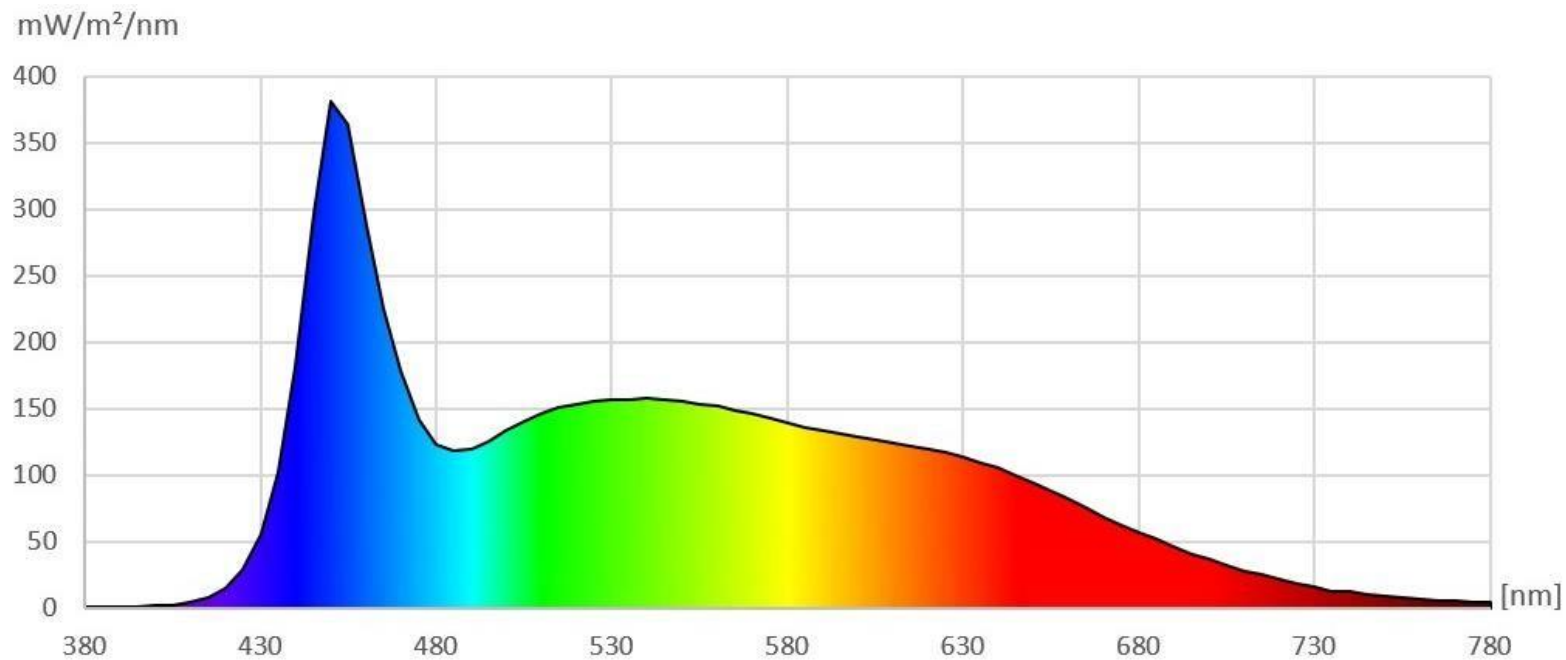
**CIE1931 Cool White:**



**Optical Characteristics Curve:**



**Wavelength Cool 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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