

Datasheet

LED-strip specification

LED-strip type:
LS24B140X2835WLX

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



Date:
14-09-2022

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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

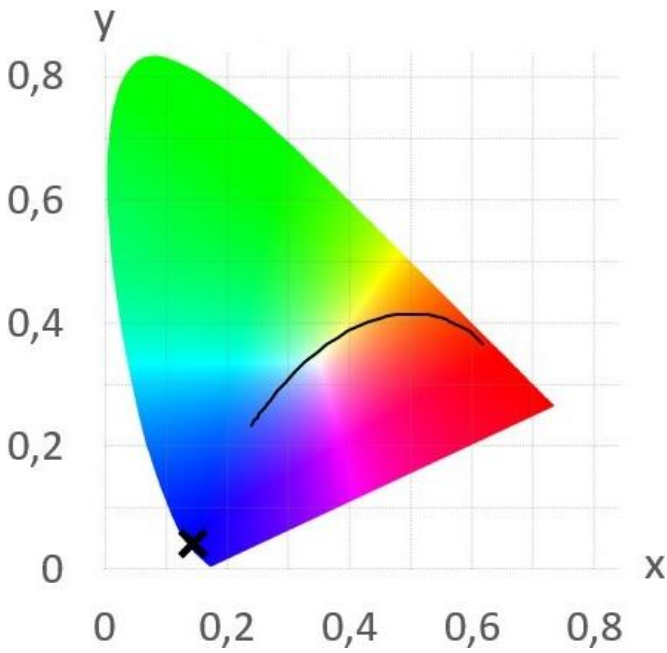
Environment Parameters	
Working Temperature	-25°C ~ +70°C
Storage Temperature	-20°C ~ +60°C

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

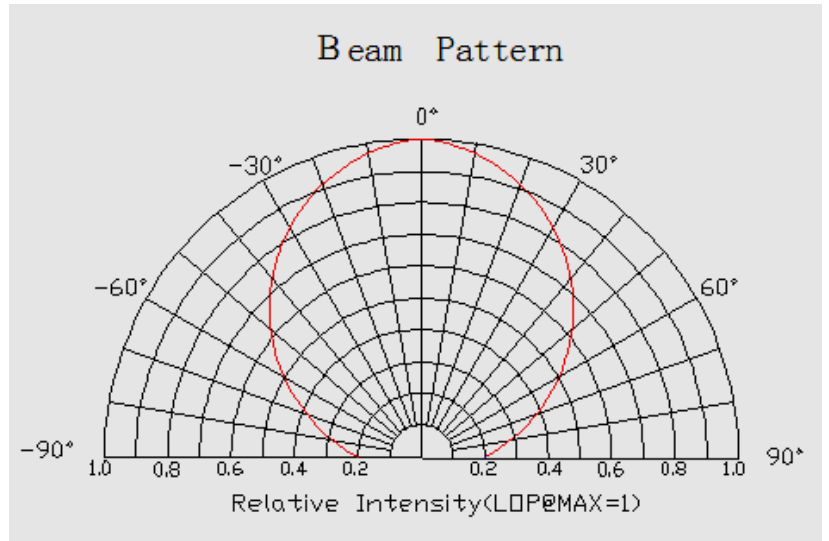
Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	50mm
LEDs / segment	7
Standard length on a reel	10m

Lighting Specifications	
Luminous Flux	1608 lm
Wavelength	455~470 nm Blue
Viewing Angle (θ)	120 ±5°
PPFD at 10cm	128 μmol/s*m ²
PPFD at 20cm	46 μmol/s*m ²
PPFD at 30cm	26 μmol/s*m ²

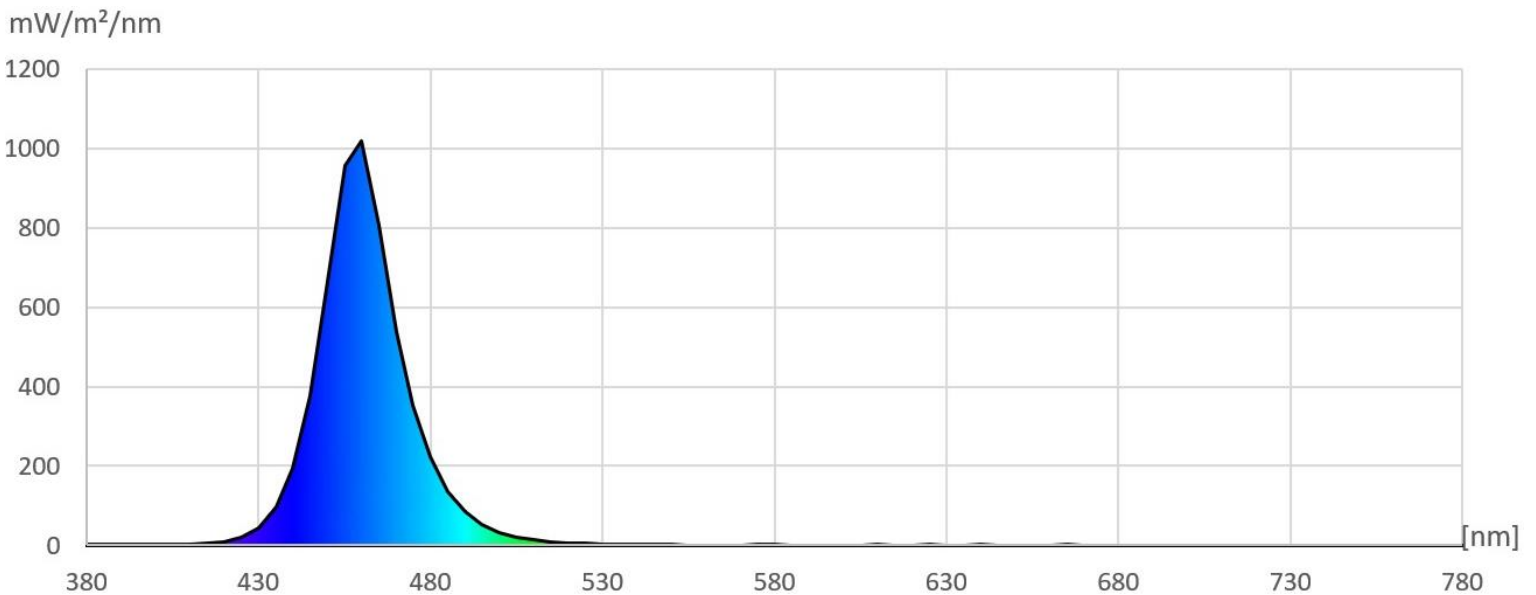
CIE1931 Blue:



Optical Characteristics Curve:



Wavelength Blue:



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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