

Datasheet

LED-strip specification

LED-strip type:
LS24DR140X2835PLX

Description:
LuxaLight LED-strip 24V Deep Red Protected 2835
(24 Volt, 140 LEDs, 2835, IP64)



Date:
14-09-2022

Page 1 of 5

Basic Parameters	
LED Type	2835 SMD
Color	Deep Red
Viewing Angle (θ)	120 ±5°
LED Qty	140 LEDs/ mtr
IP grade	IP64 Silicone
Dimensions	1000 * 10 * 4mm
Weight	35g ~ 50g/ meter
Lifespan	70,000hours
Warranty	5 Years

Environment Parameters	
Working Temperature	-25°C ~ +75°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

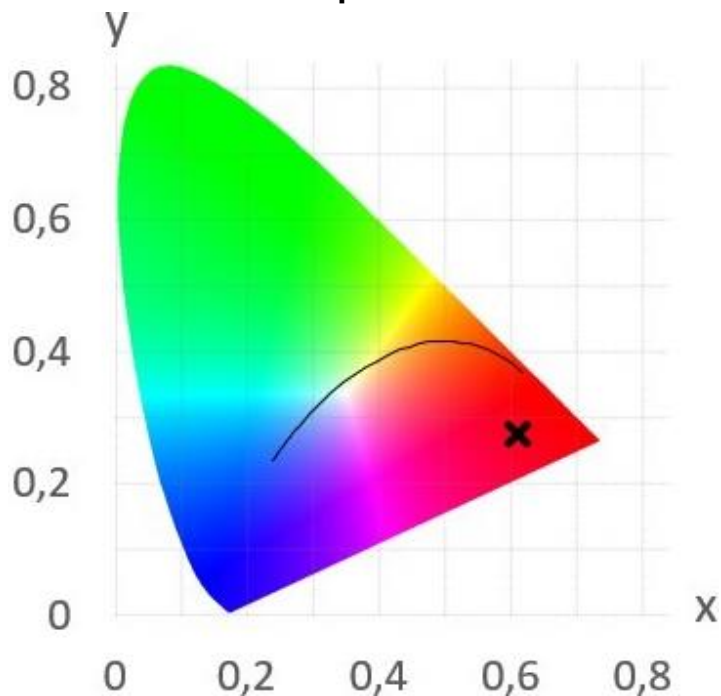
Wires & connection length	
Wires	UL1007 20# 150mm
Length per segment	50mm
LEDs / segment	7
Standard length on a reel	10m

Luminous Flux (Lumen/Meter)	
Red	4,32 Lumen

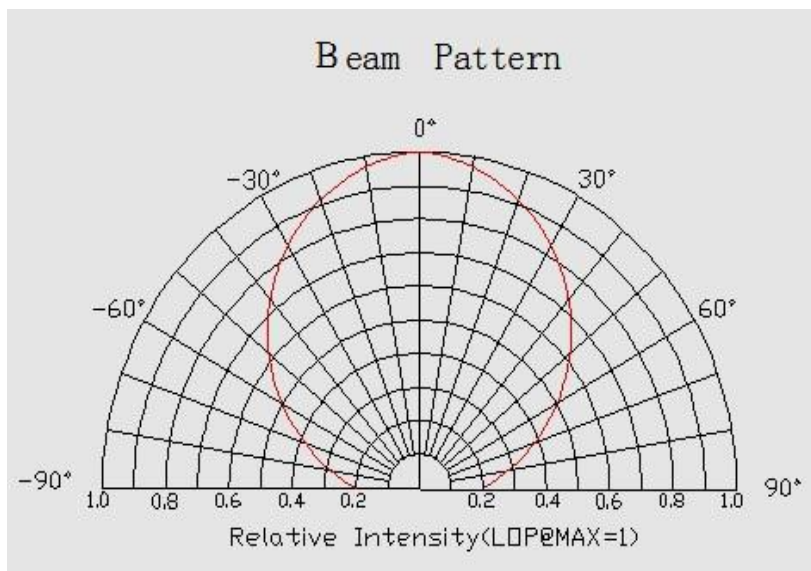
Radiation (W)	
Red	5,9 Watt

Wavelength/ Color Temperature	(nm/k)
Red	700 nm

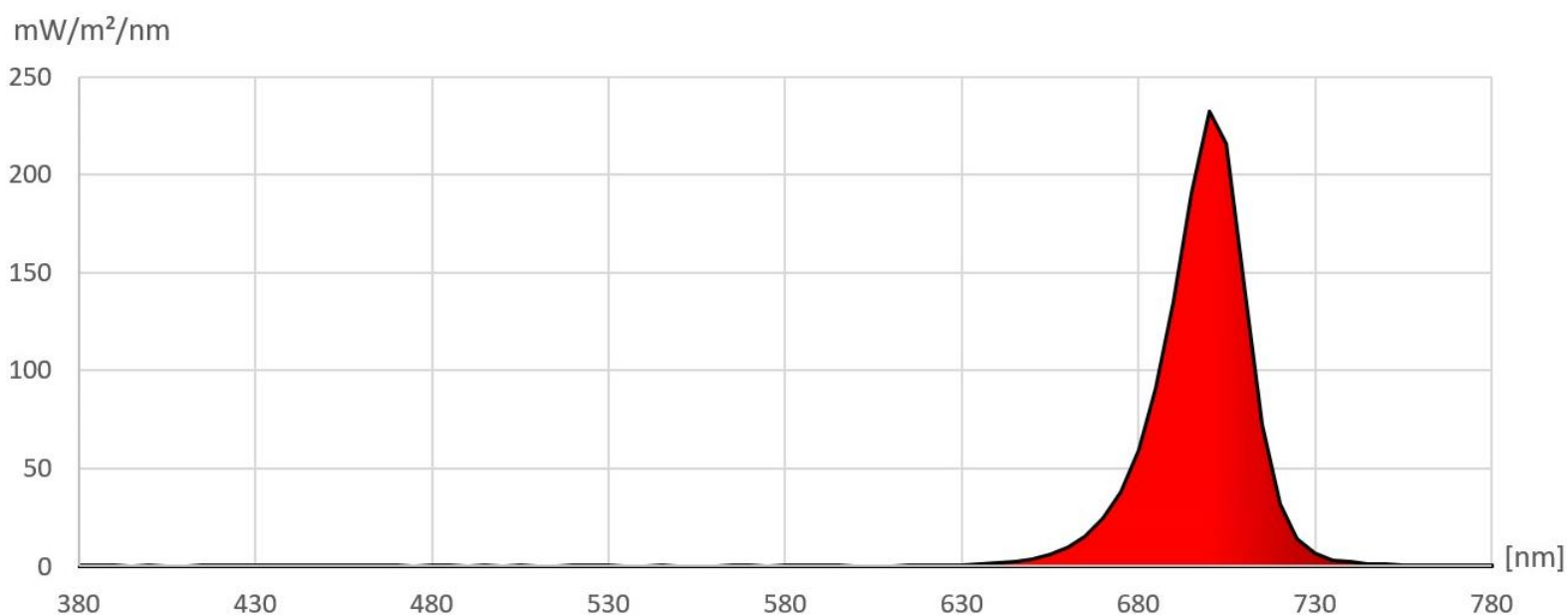
CIE1931 Deep Red:



Optical Characteristics



Wavelength Deep 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

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