

Datasheet

LED-strip specification

LED-strip type:
LS24DR2140X2835PLX

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

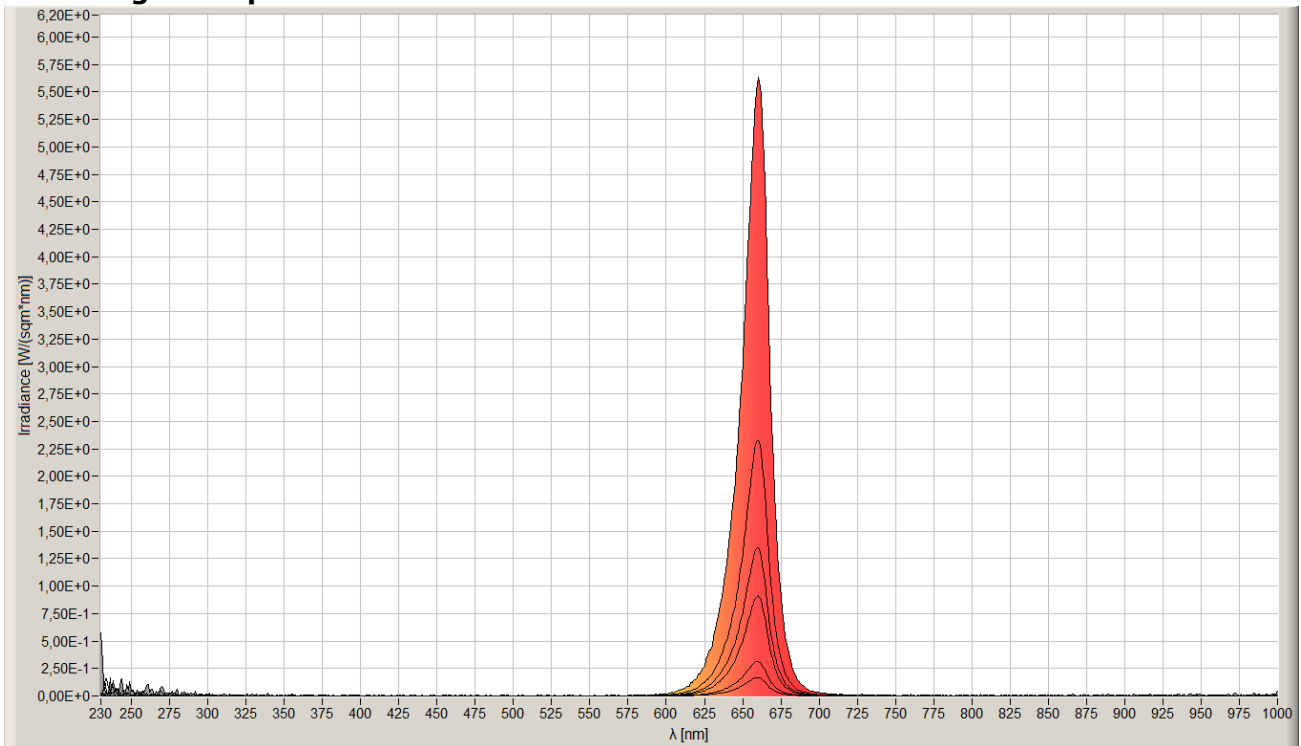


Date:
24-05-2023

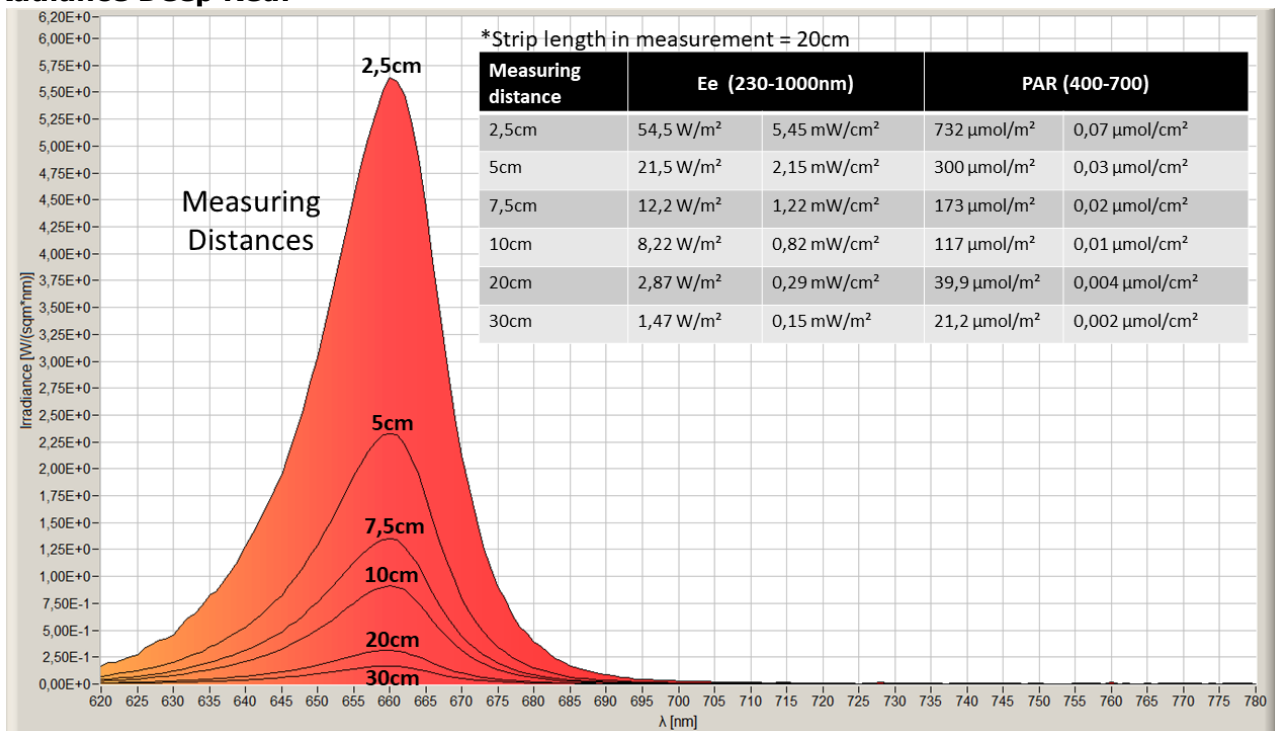
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Technical Specificaties			
LS24DR2140X2835PLX			
General	LED Type	2835 SMD	
	LED Quantity	140 LEDs/m	
	Dimensions	10000 * 10 * 4 (L x B x H)	
	Weight	35 ~ 50g / meter	
	Mounting	3M tape VHB4905	
Environment	Working Temperature	-20°C ~ +70°C	
	Storing Temperature	-20°C ~ +70°C	
	IP Grade	IP64	
	Mechanical Protection	Silicone Coating	
	Lifetime	70.000 Hours	
	Warranty	5 Years	
Electronic	Working Voltage	DC24V	
	Working Current	1 A / Engine	
	Working Wattage	24 W / Engine	
	Driving Method	Constant Voltage	
Lighting	Engine Wavelength (nm)	660nm Deep Red	
	Peak Measured Wavelength (5cm)	660nm	
	Peak Measured Radiance per distance (cm) <u>Product length = 200mm</u>	2,5	5,64 W/m ²
		5	2,32 W/m ²
		7,5	1,35 W/m ²
		10	0,92 W/m ²
		20	0,31 W/m ²
		30	0,17 W/m ²
	Total Radiance per distance 230nm - 1000nm (cm) <u>Product length = 200mm</u>	2,5	54,5 W/m ²
		5	21,5W/m ²
		7,5	12,2 W/m ²
		10	8,22 W/m ²
		20	2,87 W/m ²
		30	1,47 W/m ²
	Total μmol/m ² (PAR 400-700nm) <u>Product length = 200mm</u>	2,5	732 μmol/m ²
		5	300 μmol/m ²
		7,5	173 μmol/m ²
10		117 μmol/m ²	
20		39,9 μmol/m ²	
30		21,2 μmol/m ²	
Viewing Angle (θ)		120 ±5°	

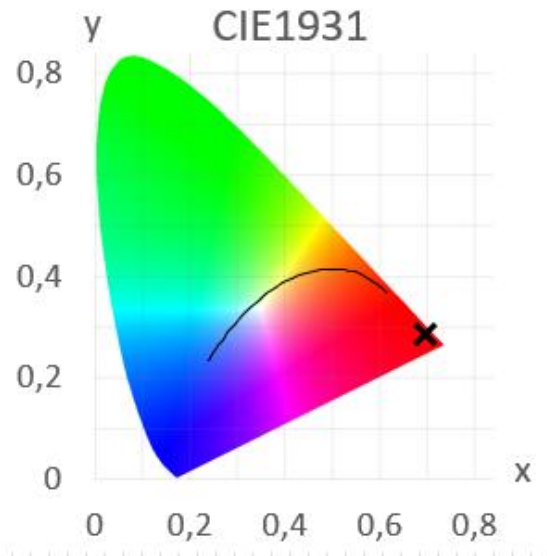
Wavelength Deep Red:



Radiance Deep Red:



CIE1931 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:

- IEC 55015:2019/A11:2020
- IEC 61000-3-2:2019/A1:2021
- IEC 61000-3-3:2013+A1:2017+A2:2021
- IEC 61547:2009

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