

Datasheet

LED-strip specification

LED-strip type:
LS24DR140X2835PLX

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

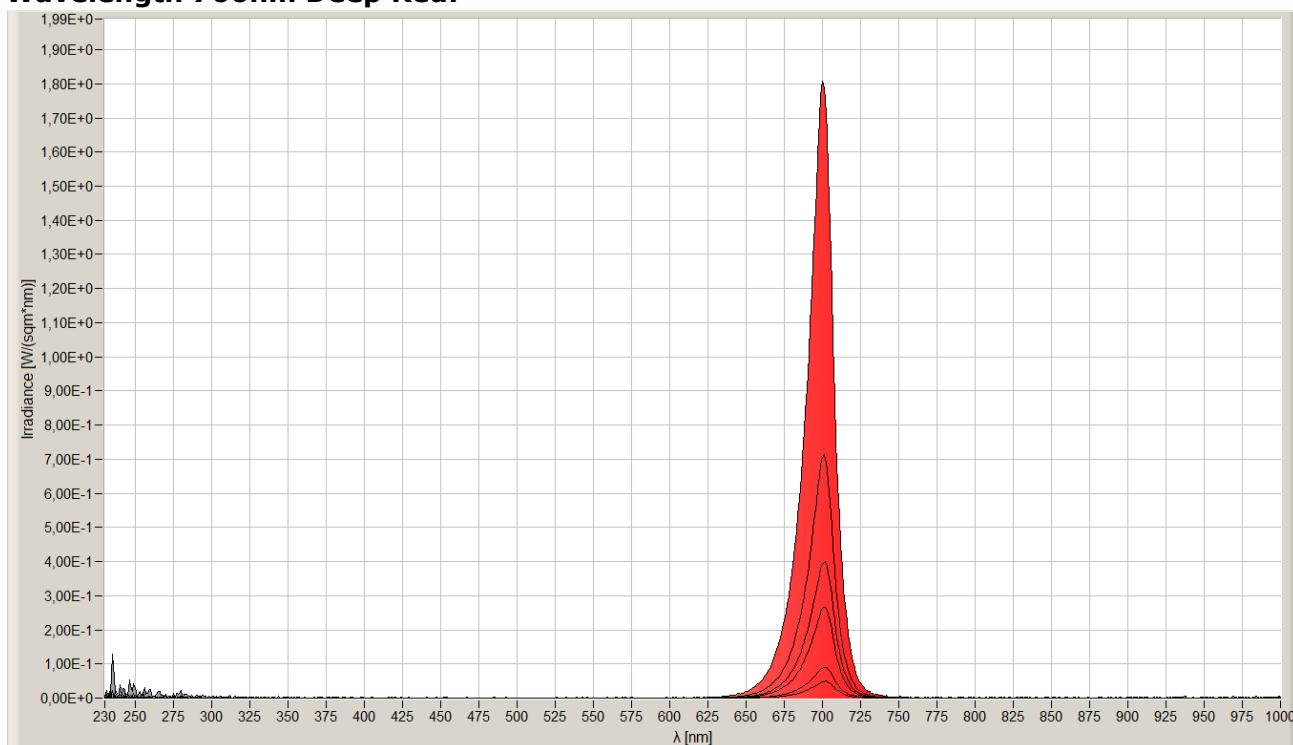


Date:
24-05-2022

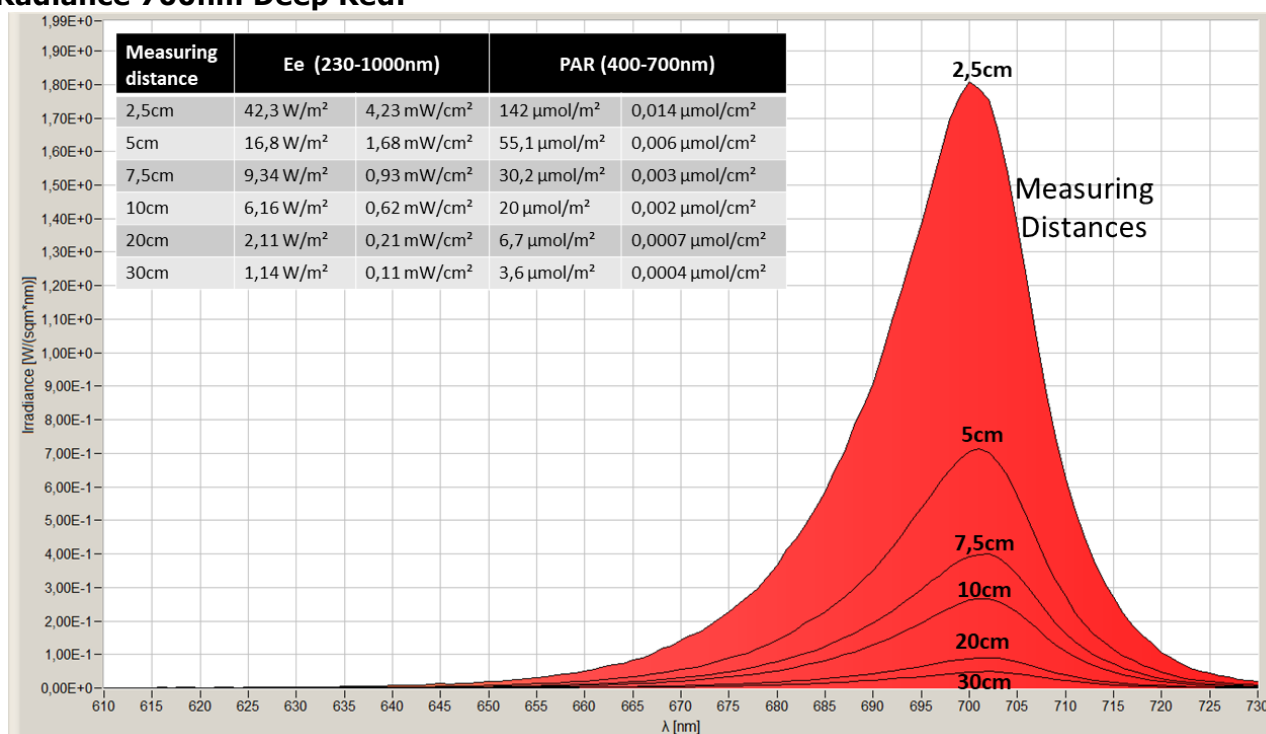
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Technical Specificaties			
LS24DR140X2835PLX			
General	LED Type	2835 SMD	
	LED Quantity	140 LEDs/m	
	Dimensions	10000 * 10 * 4 (L x B x H)	
	Weight	35 ~ 50g / meter	
	Mounting	3M tape VHB4905	
Environment	Working Temperature	-20°C ~ +70°C	
	Storing 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)		700nm Deep Red
	Peak Measured Wavelength (5cm)		700nm
	Peak Measured Radiance per distance (cm) Product length = 200mm	2,5	1,81 W/m²
		5	0,71 W/m²
		7,5	0,39 W/m²
		10	0,26 W/m²
		20	0,09 W/m²
		30	0,05 W/m²
	Total Radiance per distance 230nm - 1000nm (cm) Product length = 200mm	2,5	42,3 W/m²
		5	16,8 W/m²
		7,5	9,34 W/m²
		10	6,16 W/m²
		20	2,11 W/m²
		30	1,14 W/m²
	Total µmol/m² (PAR 400-700nm) Product length = 200mm	2,5	142 µmol/m²
		5	55,1 µmol/m²
		7,5	30,2 µmol/m²
		10	20 µmol/m²
		20	6,7 µmol/m²
		30	3,6 µmol/m²
	Viewing Angle (θ)		120 ±5°

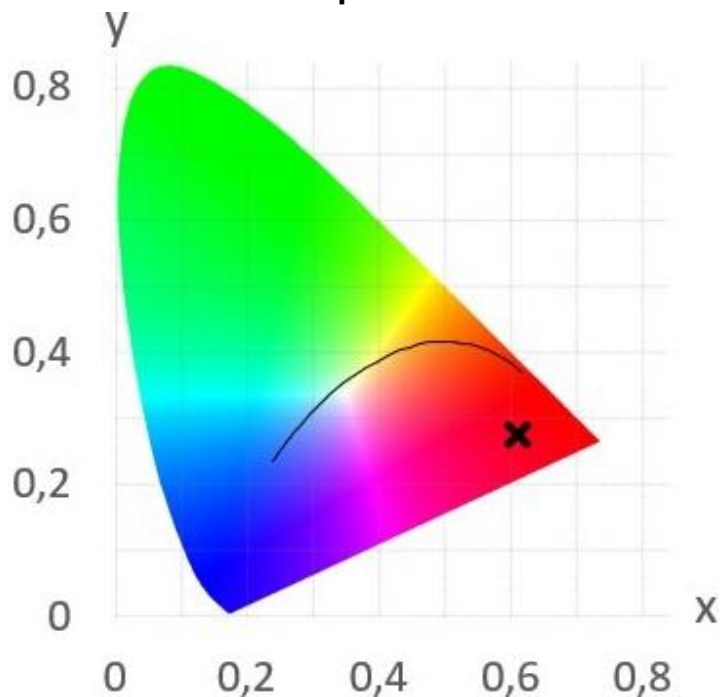
Wavelength 700nm Deep Red:



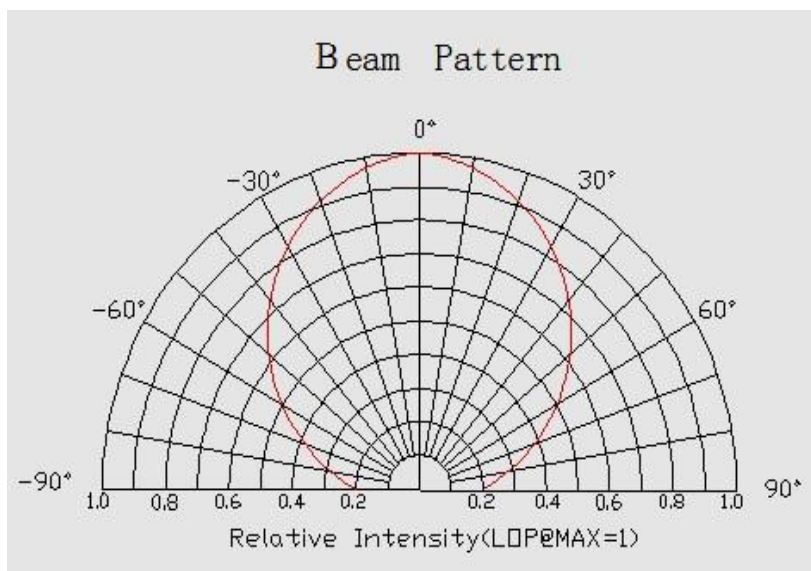
Radiance 700nm Deep Red:



CIE1931 Deep Red:



Optical Characteristics



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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