

Datasheet

LED-strip specification

LED-strip type:
LS24IR140X2835PLX

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

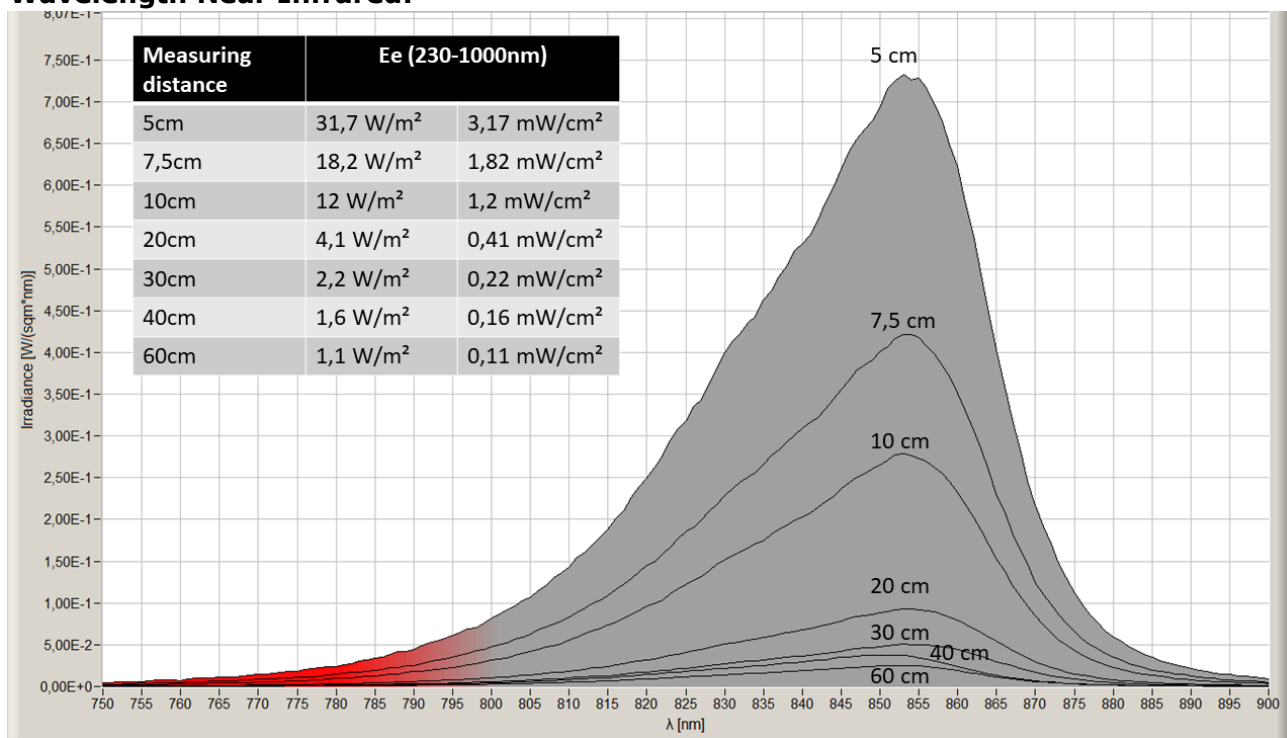


Date:
22-12-2023

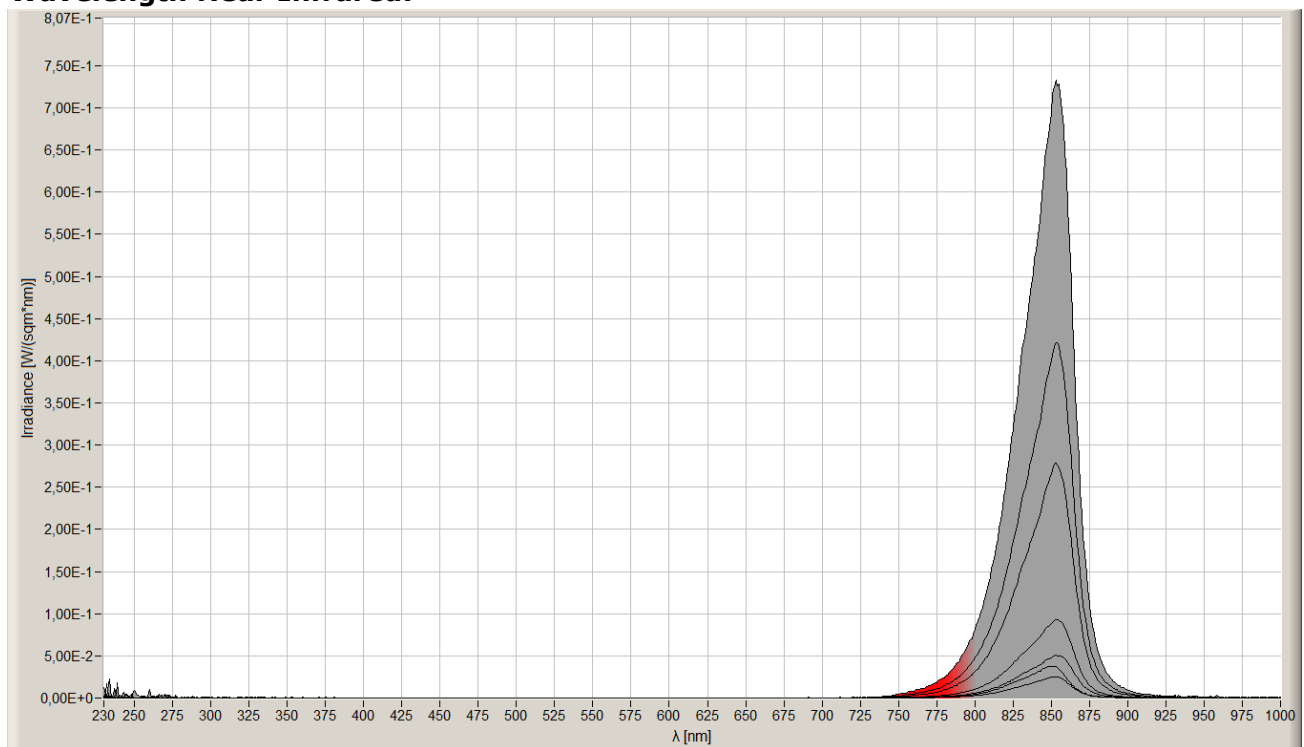
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Technical Specifications				
LS24IR140X2835PLX				
Mechanical	LED Type	SMD2835		
	LED Quantity	140 LEDs / m		
	Length per segment	50 mm		
	LEDs / segment	7		
	Length on single reel	10 m		
	Dimensions	10000 x 12 x 4 (L x B x H)		
	Weight	35g ~40g / m		
	Mounting	3M Tape VHB4905		
	Protection grade	IP64 Silicone		
	PCB Material	Copper		
Electronic	Working Voltage	DC24V		
	Working Current	1 A / m		
	Working Wattage	24 Watt / m		
	Driving Method	Constant Voltage		
	Wires	UL1007 20# 150mm		
Environment	Working Temperature	-20°C ~ +70°C		
	Storing Temperature	-20°C ~ +70°C		
	Lifespan	50.000 Hours		
	Warranty	2 Years		
Lighting	Colour	Near Infrared		
	Wavelength	850nm		
	Peak measured Wavelength (5cm)	853nm		
	Peak measured Radiance per distance (cm) <u>Product Length 200mm</u>	5	0,73 W/m ²	
		7,5	0,42 W/m ²	
		10	0,28 W/m ²	
		20	0,09 W/m ²	
		30	0,05 W/m ²	
		40	0,04 W/m ²	
		60	0,03 W/m ²	
	Total Radiance per distance 230nm - 1000nm (cm) <u>Product Length 200mm</u>	5	31,7 W/m ²	
		7,5	18,2 W/m ²	
		10	12 W/m ²	
		20	4,1 W/m ²	
30		2,2 W/m ²		
40		1,6 W/m ²		
60		1,1 W/m ²		
Pin-out	Wire colour	Symbol	Function description	
	Red	+	24V+	
	Black	-	Ground	

Wavelength Near Infrared:



Wavelength Near Infrared:



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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