

Datasheet

LED-strip specification

LED-strip type:
LS24UV395X140X2835PLX

Description:
**LuxaLight LED-strip 24V UV 395nm Protected 2835
(24 Volt, 140 LEDs, 2835, IP64)**

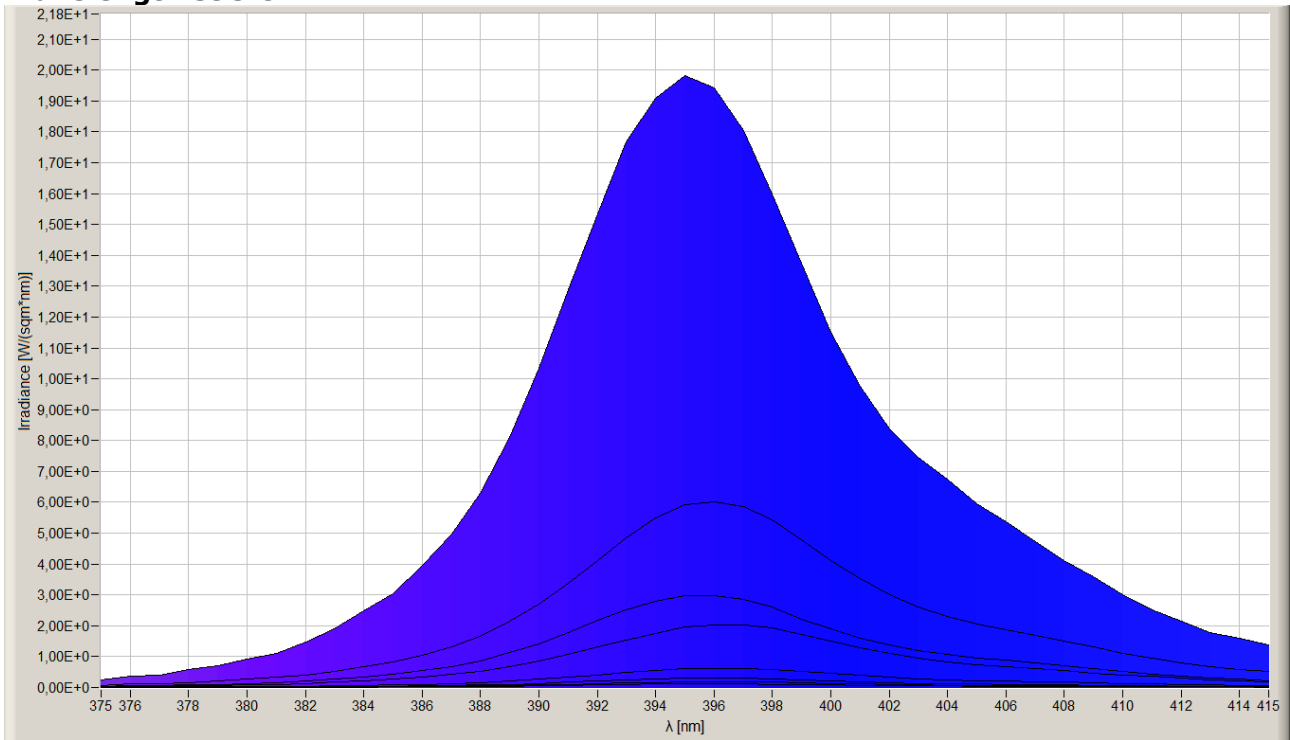


Date:
21-02-2024

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Technical Specifications				
LS24UV395X140X2835PLX				
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		
Electronic	Working Voltage	DC24V		
	Working Current	1 A / Engine		
	Working Wattage	24 W / Engine		
	Driving Method	Constant Voltage		
Lighting	Engine Wavelength (nm)	395nm UV-A		
	Peak Measured Wavelength (5cm)	395nm		
	Peak Measured Radiance per distance (cm) Product length = 200mm	2,5	198 mJ/cm ²	19,8 W/m ²
		5	60 mJ/cm ²	6 W/m ²
		7,5	29 mJ/cm ²	2,9 W/m ²
		10	20 mJ/cm ²	2 W/m ²
		20	6,3 mJ/cm ²	0,63 W/m ²
		30	3 mJ/cm ²	0,3 W/m ²
	Total Radiance per distance 230nm - 1000nm (cm) Product length = 200mm	2,5	3090 mJ/cm ²	309 W/m ²
		5	977 mJ/cm ²	97,7 W/m ²
		7,5	475 mJ/cm ²	47,5 W/m ²
		10	331 mJ/cm ²	33,1 W/m ²
		20	101 mJ/cm ²	10,1 W/m ²
	Total PPFD per distance (μmol/m ² PAR 400 - 700nm) Product length = 200mm	2,5	319 μmol/m ²	
		5	115 μmol/m ²	
7,5		53 μmol/m ²		
10		41,8 μmol/m ²		
20		13,1 μmol/m ²		
30	6,7 μmol/m ²			
Viewing Angle (θ)		120 ±5°		

Wavelength 395 UV:



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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