

Datasheet

LED-strip specification

LED-strip type:
LS24UV240X2835PLX

Description:
**LuxaLight LED-strip 24V UV 365nm Protected 2835
(24 Volt, 240 LEDs, 2835, IP64)**

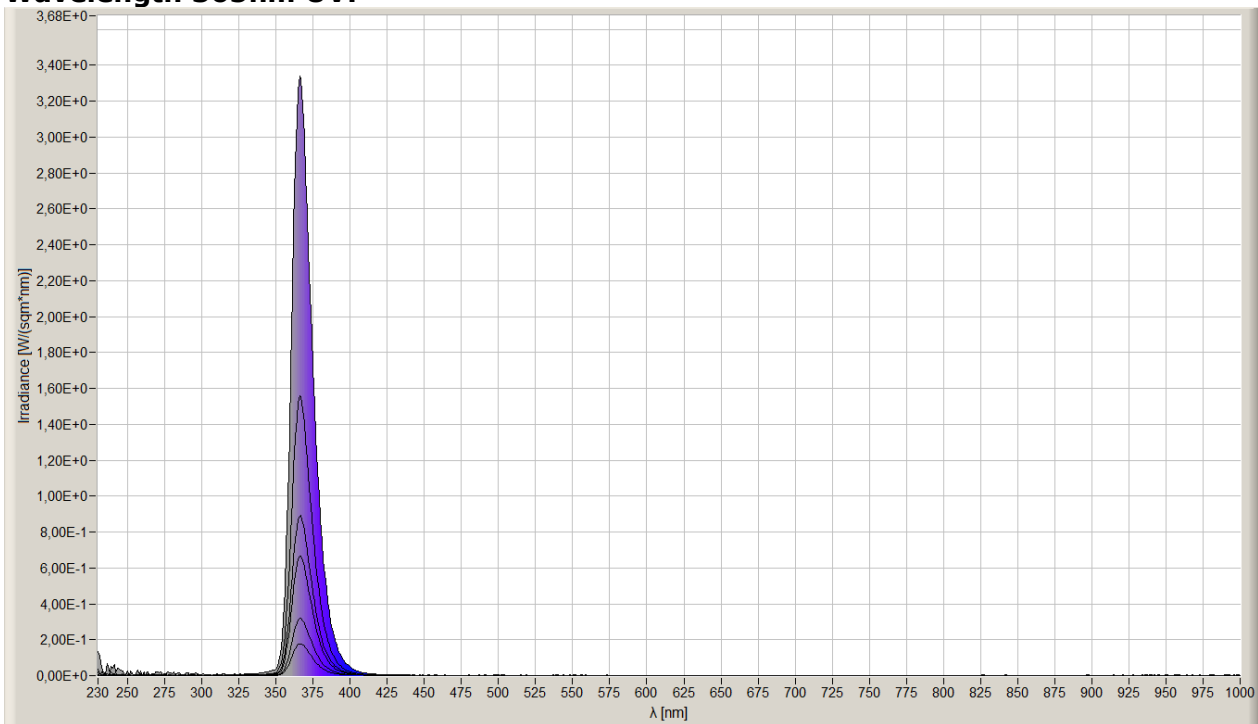


Date:
19-02-2024

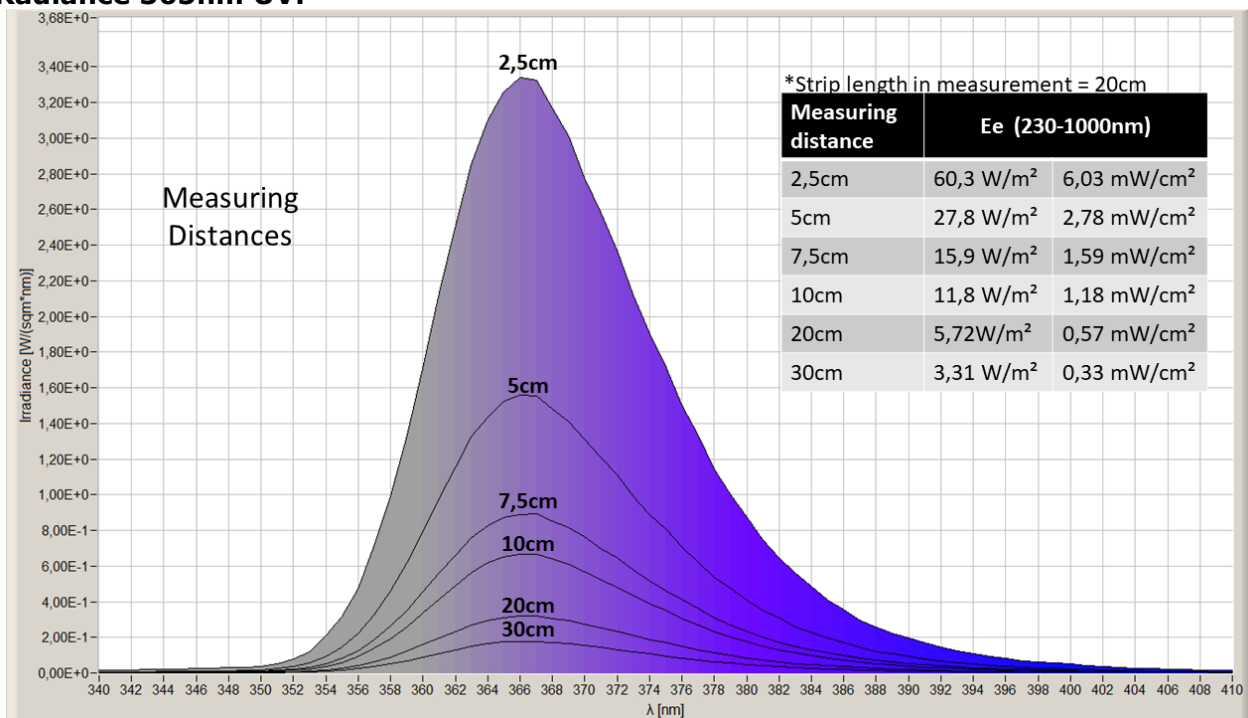
Page 1 of 4

Technical Specifications				
LS24UV240X2835PLX				
General	LED Type	2835 SMD		
	LED Quantity	240 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)	365nm UV-A		
	Peak Measured Wavelength (5cm)	367nm		
	Peak Measured Radiance per distance (cm) Product length = 200mm	2,5	18,3 mJ/cm ²	1,83 W/m ²
		5	7,3 mJ/cm ²	0,73 W/m ²
		7,5	4,2 mJ/cm ²	0,42 W/m ²
		10	2,8 mJ/cm ²	0,28 W/m ²
		20	1 mJ/cm ²	0,1 W/m ²
		30	0,5 mJ/cm ²	0,05 W/m ²
	Total Radiance per distance 230nm - 1000nm (cm) Product length = 200mm	2,5	603 mJ/cm ²	60,3 W/m ²
		5	278 mJ/cm ²	27,8 W/m ²
		7,5	159 mJ/cm ²	15,9 W/m ²
		10	118 mJ/cm ²	11,8 W/m ²
		20	57,2 mJ/cm ²	5,72 W/m ²
30	33,1 mJ/cm ²	3,31 W/m ²		
Viewing Angle (θ)		120 ±5°		

Wavelength 365nm UV:



Radiance 365nm 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

While LuxaLight has made every reasonable effort to ensure the accuracy of the information in this brochure, LuxaLight does not guarantee that it is error-free, nor does LuxaLight make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. LuxaLight reserves the right to make any adjustments to the information contained herein at any time without notice. LuxaLight expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalogue are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult LuxaLight for the latest dimensions and design specifications.