

Datasheet

LED engine specification

Product type:
LE-24-275-57X3535ILX60

Description:
LuxaLight LED Engine 24V UV-C 275nm 3535 (24 Volt, 57 LEDs, 3535, IP20)

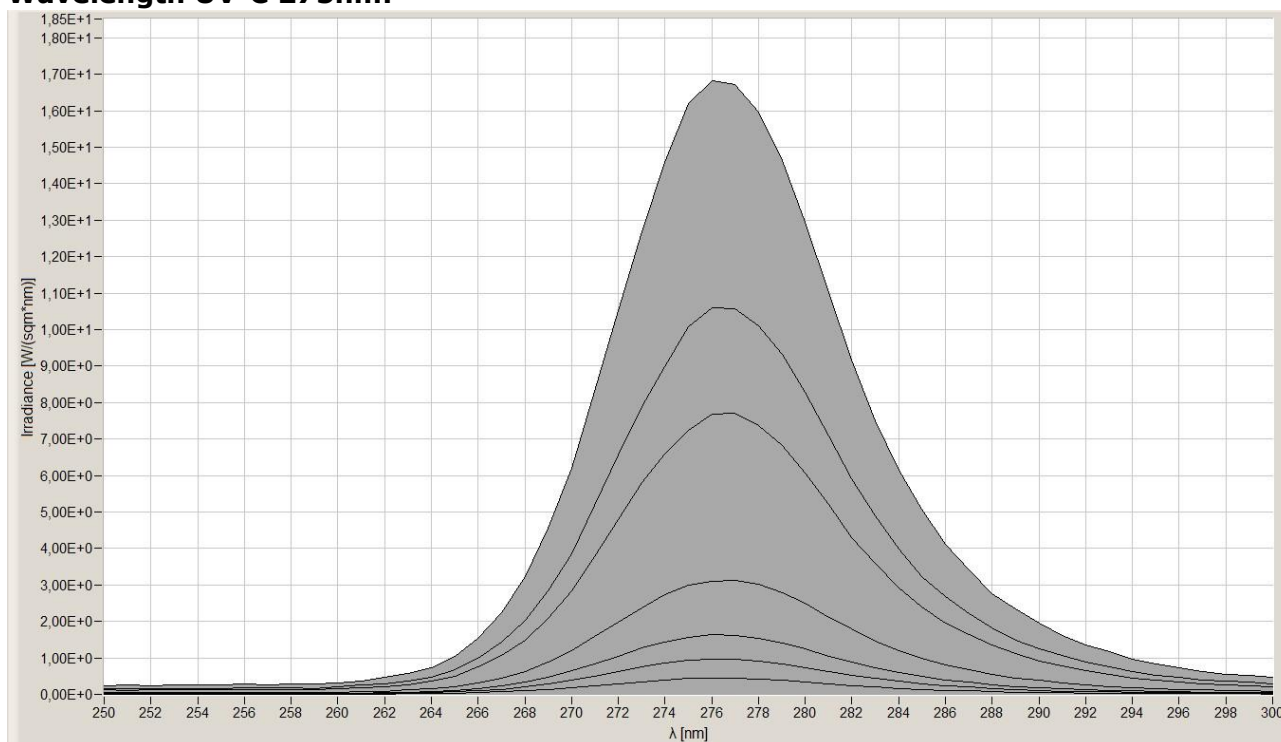


Date:
28-12-2023

Page 1 of 4

Technical Specifications				
LE-24-275-57X2835ILX60				
General	LED Type	2835 SMD		
	LED Quantity	108 LEDs / Engine		
	Dimensions	200 * 20 * 2 (L x B x H)		
	Weight	22g / Engine		
	Mounting	3M tape VHB4905		
Environment	Working Temperature	-20°C ~ +70°C		
	Storing Temperature	-20°C ~ +70°C		
	IP Grade	IP20		
	Mechanical Protection	N.A.		
Electronic	Working Voltage	DC24V		
	Working Current	2,3 A / Engine		
	Working Wattage	55,2 W / Engine		
	Driving Method	Constant Voltage		
	NTC Resistance	5Kohm		
	NTC Beta	3950		
Lighting	Engine Wavelength (nm)	275nm UV-C		
	Peak Measured Wavelength (5cm)	276nm		
	Peak Measured Radiance per distance (cm) (1 LED Engine)	5	170 mJ/cm ²	17 W/m ²
		7,5	110 mJ/cm ²	11 W/m ²
		10	77 mJ/cm ²	7,7 W/m ²
		20	31 mJ/cm ²	3,1 W/m ²
		30	16 mJ/cm ²	1,6 W/m ²
		40	10 mJ/cm ²	1 W/m ²
		60	4 mJ/cm ²	0,4 W/m ²
	Total Radiance per distance 230nm - 1000nm (cm) (1 LED Engine)	5	2390 mJ/cm ²	239 W/m ²
		7,5	1510 mJ/cm ²	151 W/m ²
		10	1100 mJ/cm ²	110 W/m ²
		20	450 mJ/cm ²	45 W/m ²
		30	230 mJ/cm ²	23 W/m ²
40		140 mJ/cm ²	14 W/m ²	
60		64 mJ/cm ²	6,4 W/m ²	
Viewing Angle (θ)	60 ±5°			
Keep the LED Engine withing operating temperatures, for more information about heat management, read the 'LuxaLight modular LED Fixtures infosheet'				

Wavelength UV-C 275nm:



The Materials of PCB:

2mm Thick Aluminium.

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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