

Datasheet

LED engine specification

Product type:
LE-24-265-57X3535PLX60

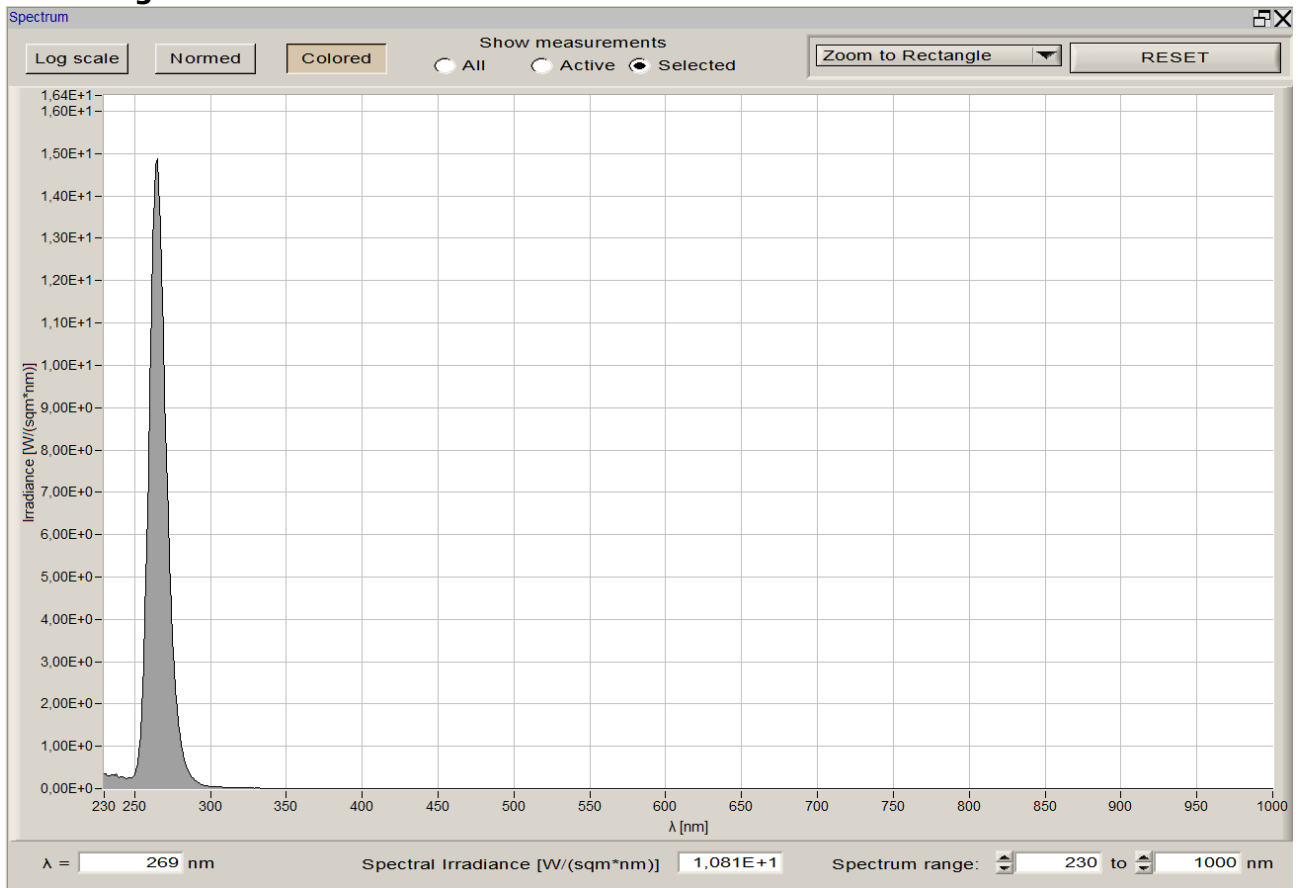
Description:
LuxaLight LED Engine 24V UV-C 265nm 3535 (24 Volt, 57 LEDs, 3535, IP64)



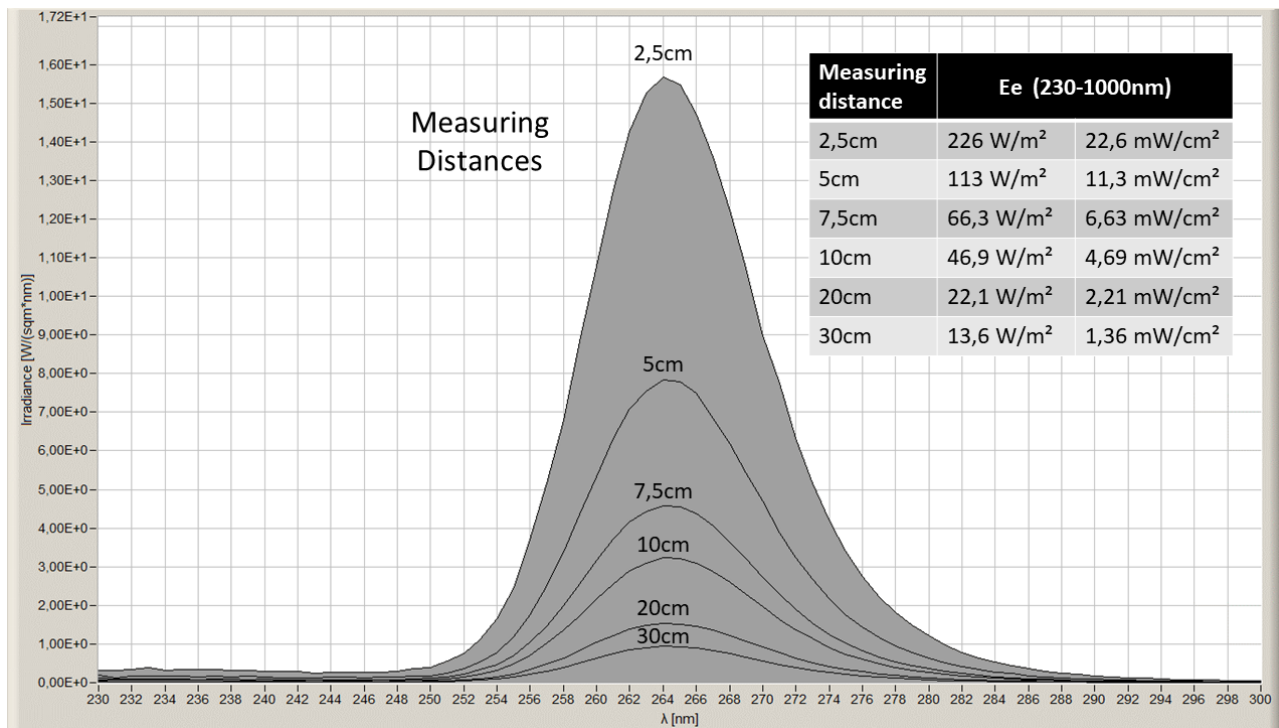
Date:
29-11-2023

Technical Specificaties				
LE-24-265-108X2835PLX				
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	IP64		
	Mechanical Protection	Silicone Nano Coating		
Electronic	Working Voltage	DC24V		
	Working Current	1,25 A / Engine		
	Working Wattage	30 W / Engine		
	Driving Method	Constant Voltage		
	NTC Resistance	5Kohm		
	NTC Beta	3950		
Lighting	Engine Wavelength (nm)	265nm UV-C		
	Peak Measured Wavelength (5cm)	265nm		
	Peak Measured Radiance per distance (cm) (1 LED Engine)	2,5	149 mJ/cm ²	14,9 W/m ²
		5	79 mJ/cm ²	7,9 W/m ²
		7,5	49 mJ/cm ²	4,9 W/m ²
		10	33 mJ/cm ²	3,3 W/m ²
		20	14 mJ/cm ²	1,4 W/m ²
		30	8 mJ/cm ²	0,8 W/m ²
	Total Radiance per distance 230nm - 1000nm (cm) (1 LED Engine)	2,5	2260 mJ/cm ²	226 W/m ²
		5	1130 mJ/cm ²	113 W/m ²
		7,5	663 mJ/cm ²	66,3 W/m ²
		10	469 mJ/cm ²	46,9 W/m ²
		20	221 mJ/cm ²	22,1 W/m ²
30		136 mJ/cm ²	13,6 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 265nm:



Irradiance UV-C 265nm:



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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