

Datasheet

LED engine specification

Product type:
LE-24-265-57X3535PLX60

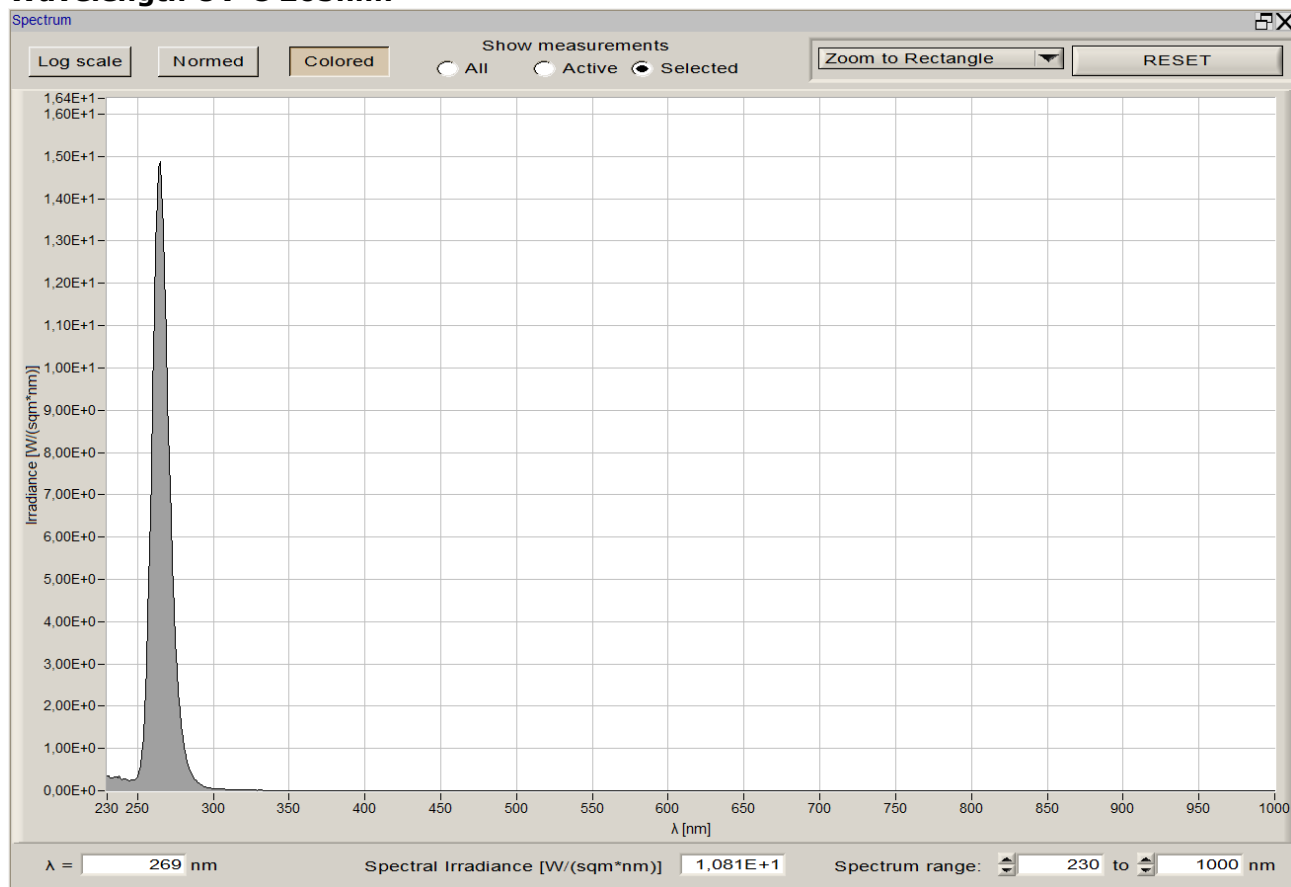
Description:
LuxaLight LED Engine 24V UV-C 265nm 3535 (24 Volt, 57 LEDs, 3535, IP64)



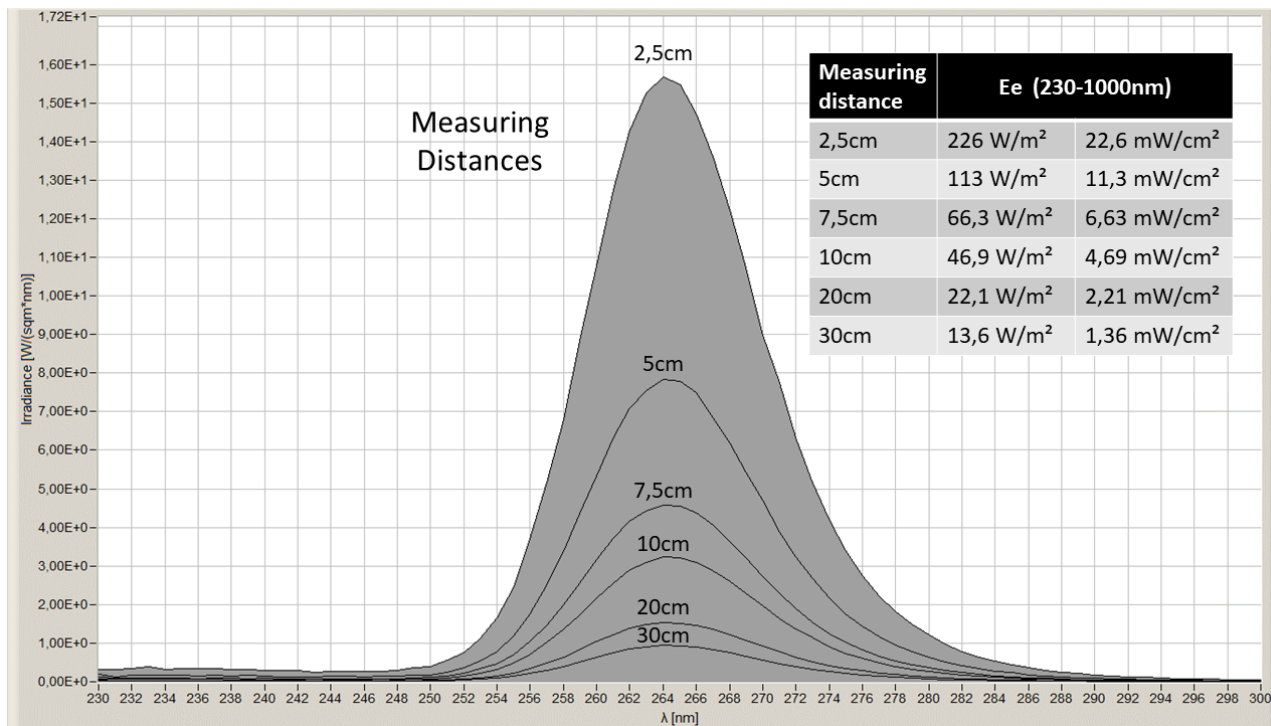
Date:
26-05-2023

Technical Specifications			
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)	2,5	14,9 W/m ²
		5	7,9 W/m ²
		7,5	4,9 W/m ²
		10	3,3 W/m ²
		20	1,4 W/m ²
		30	0,8 W/m ²
	Total Radiance per distance 230nm - 1000nm (cm)	2,5	226 W/m ²
		5	113 W/m ²
		7,5	66,3 W/m ²
		10	46,9 W/m ²
		20	22,1 W/m ²
		30	13,6 W/m ²
	Viewing Angle (θ)		60 ±5°

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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