

Datasheet

LED engine specification

Product type:
LE-24-300-57X3535ILX60

Description:
LuxaLight LED Engine 24V UV-B 300nm 3535 (24 Volt, 57 LEDs, 3535, IP20)

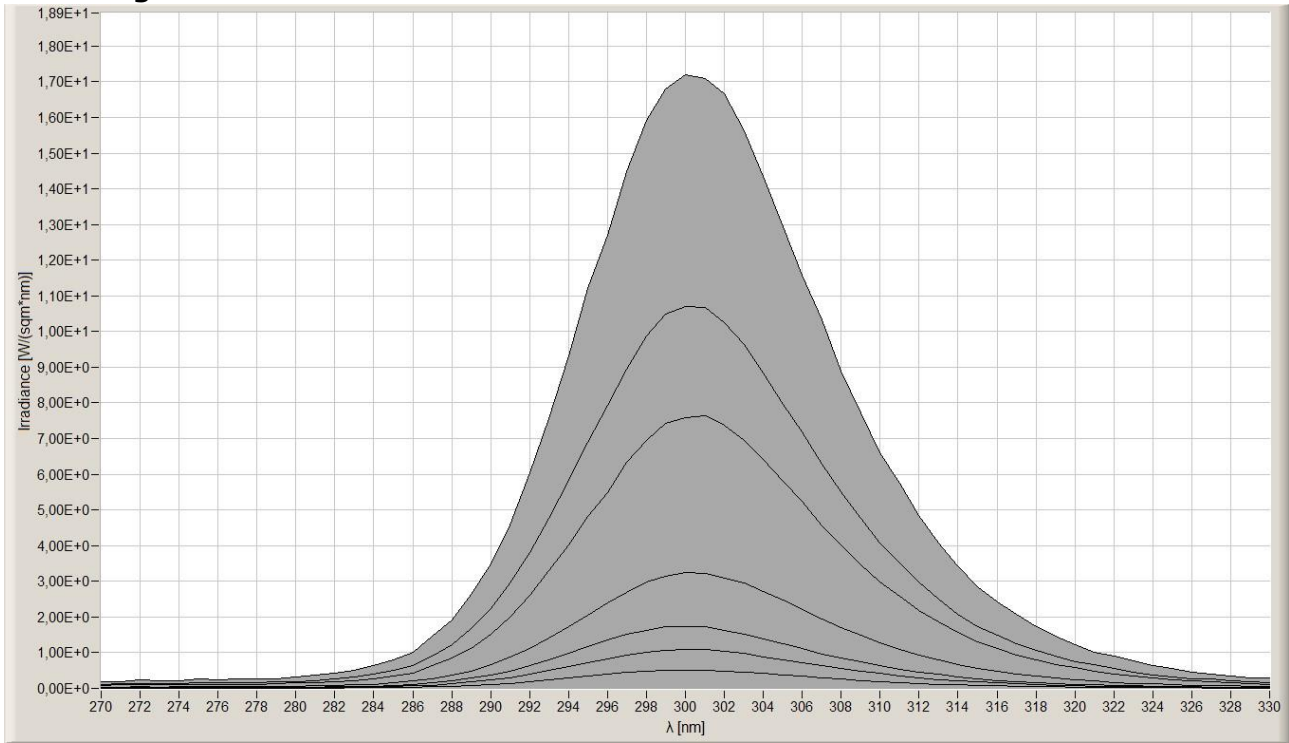


Date:
28-12-2023

Page 1 of 4

Technical Specifications				
LE-24-300-57X3535ILX60				
General	LED Type	2835 SMD		
	LED Quantity	57 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)	300nm UV-B		
	Peak Measured Wavelength (5cm)	300nm		
	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	76 mJ/cm ²	7,6 W/m ²
		20	32 mJ/cm ²	3,2 W/m ²
		30	17 mJ/cm ²	1,7 W/m ²
		40	11 mJ/cm ²	1,1 W/m ²
		60	5 mJ/cm ²	0,5 W/m ²
	Total Radiance per distance 230nm - 1000nm (cm) (1 LED Engine)	5	3000 mJ/cm ²	300 W/m ²
		7,5	1850 mJ/cm ²	185 W/m ²
		10	1320 mJ/cm ²	132 W/m ²
		20	560 mJ/cm ²	56 W/m ²
		30	290 mJ/cm ²	29 W/m ²
40		190 mJ/cm ²	19 W/m ²	
60		89 mJ/cm ²	8,9 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-B 300nm:



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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