

Datasheet

LED engine specification

Product type:
LE-24-365-30X3535ILX60

Description:
LuxaLight LED Engine UV-A 365nm Indoor (24 Volt, 30 LEDs, 3535, IP20)

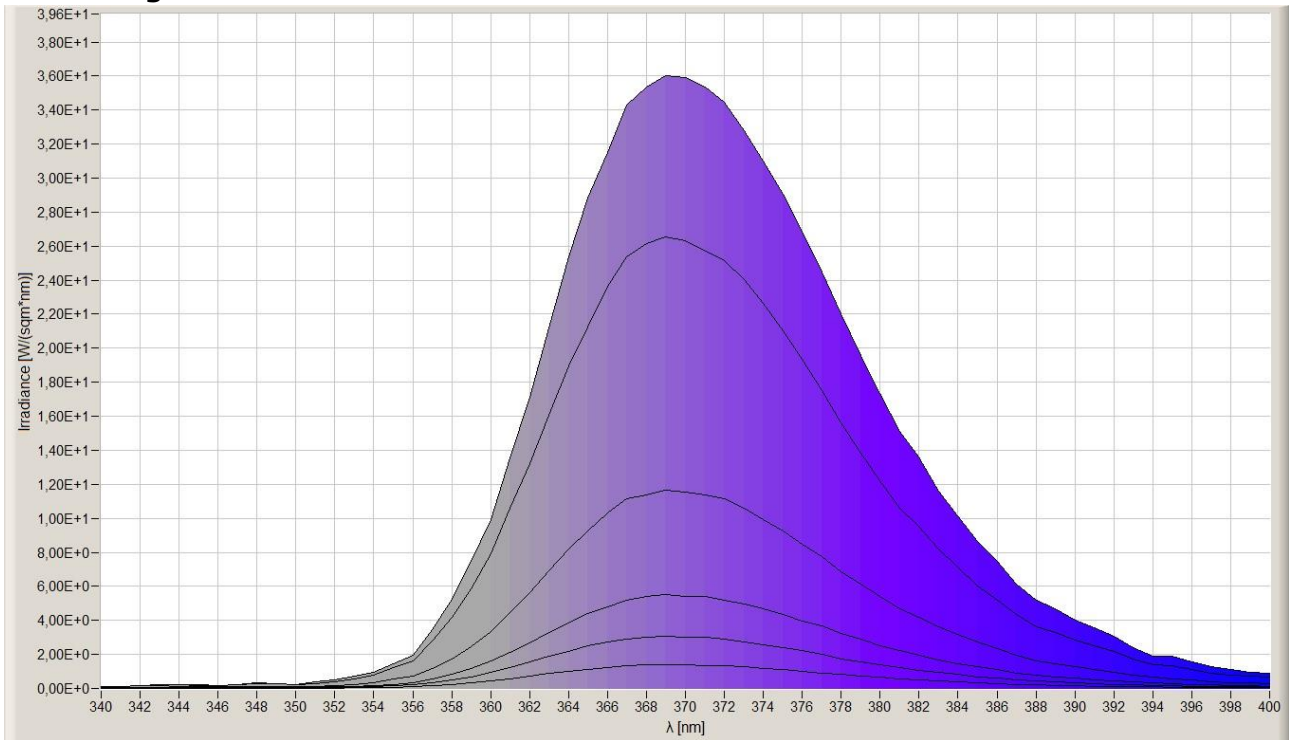


Date:
15-01-2024

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Technical Specifications				
LE-24-365-30X3535ILX60				
General	LED Type	3535 SMD		
	LED Quantity	30 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	1,80 A / Engine		
	Working Wattage	43,2 W / Engine		
	Driving Method	Constant Voltage		
	NTC Resistance	5Kohm		
	NTC Beta	3950		
Lighting	Voltage at measurement	24VDC*		
	Current at measurement	1,8A*		
	Wattage at measurement	43,2 W*		
	Engine Wavelength (nm)	365nm UV-A		
	Peak Measured Wavelength (5cm)	369nm		
	Peak Measured Radiance per distance (cm) (1 LED Engine)	7,5	360 mJ/cm ²	36 W/m ²
		10	265 mJ/cm ²	26,5 W/m ²
		20	116 mJ/cm ²	11,6 W/m ²
		30	55 mJ/cm ²	5,5 W/m ²
		40	31 mJ/cm ²	3,1 W/m ²
		60	14 mJ/cm ²	1,4 W/m ²
	Total Radiance per distance 230nm - 1000nm (cm) (1 LED Engine)	7,5	7030 mJ/cm ²	703 W/m ²
		10	5290 mJ/cm ²	529 W/m ²
		20	2340 mJ/cm ²	234 W/m ²
		30	1100 mJ/cm ²	110 W/m ²
40		620 mJ/cm ²	62 W/m ²	
60		280 mJ/cm ²	28 W/m ²	
Viewing Angle (θ)		60 ±5°		
*in combination with the MaNima Pollux Industry, higher performances can be reached				

Wavelength LE-24-365-30X3535ILX60



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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