

## Datasheet

LED engine specification

Product type:  
**LE-24-365-60X3535ILX60**

Description:  
**LuxaLight LED Engine UV-A 365nm Indoor (24 Volt, 60 LEDs, 3535, IP20)**

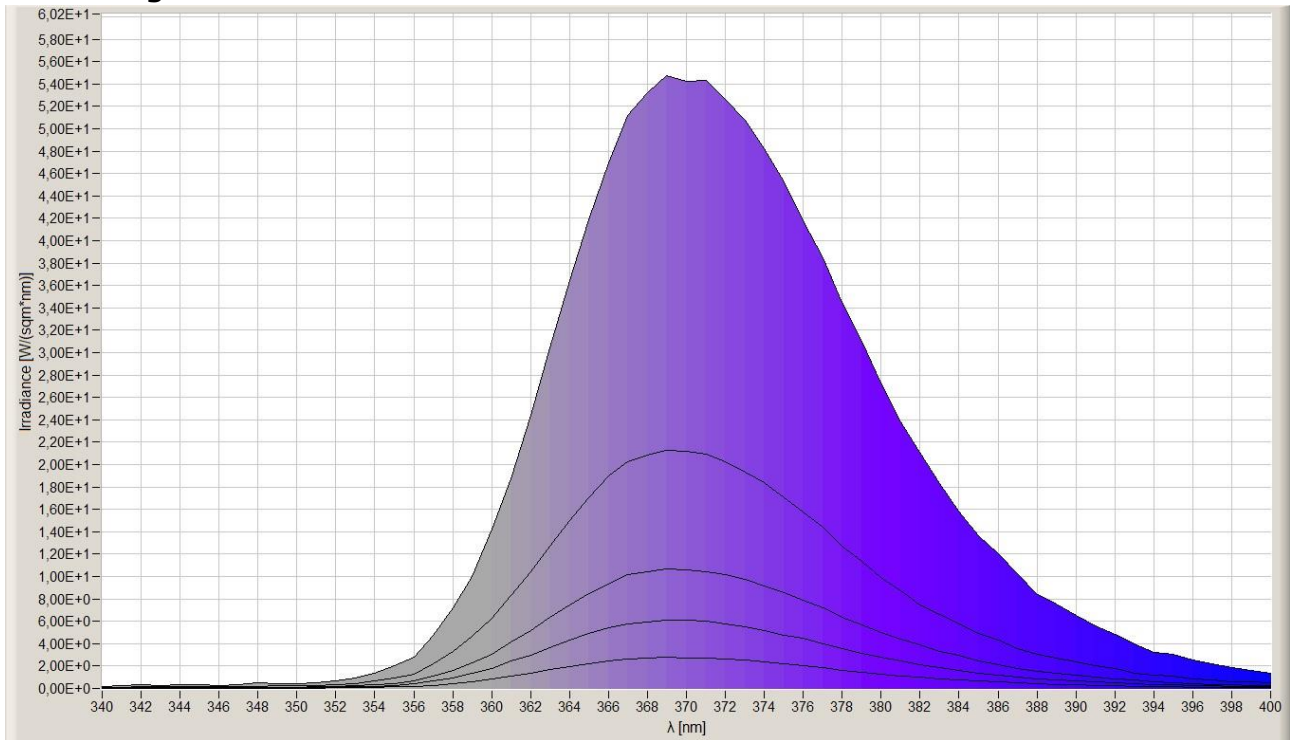


Date:  
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Technical Specifications				
LE-24-365-60X3535ILX60				
General	LED Type	3535 SMD		
	LED Quantity	60 LEDs / Engine		
	Dimensions	200 * 20 * 2 ( L x B x H )		
	Weight	22g / Engine		
	Mounting	3M tape VHB4905		
Environment	Working Temperature	-20°C ~ +70°C		
	Storing Temperature	-20°C ~ +70°C		
	IP Grade	IP20		
	Mechanical Protection	N.A.		
Electronic	Working Voltage	DC24V		
	Working Current	1,8 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 (7,5cm)	369nm		
	Peak Measured Radiance per distance (cm) (1 LED Engine)	10	550 mJ/cm <sup>2</sup>	55 W/m <sup>2</sup>
		20	210 mJ/cm <sup>2</sup>	21 W/m <sup>2</sup>
		30	110 mJ/cm <sup>2</sup>	11 W/m <sup>2</sup>
		40	61 mJ/cm <sup>2</sup>	6,1 W/m <sup>2</sup>
		60	28 mJ/cm <sup>2</sup>	2,8 W/m <sup>2</sup>
	Total Radiance per distance 230nm - 1000nm (cm) (1 LED Engine)	10	10750 mJ/cm <sup>2</sup>	1075 W/m <sup>2</sup>
		20	4290 mJ/cm <sup>2</sup>	429 W/m <sup>2</sup>
		30	2140 mJ/cm <sup>2</sup>	214 W/m <sup>2</sup>
		40	1230 mJ/cm <sup>2</sup>	123 W/m <sup>2</sup>
60		560 mJ/cm <sup>2</sup>	56 W/m <sup>2</sup>	
Viewing Angle (θ)		60 ±5°		
*in combination with the MaNima Pollux Industry, higher performances can be reached				

## Wavelength LE-24-365-60X3535ILX60



**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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