

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:
01-02-2023

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Basic Parameters	
LED Type	3535 SMD
LED Qty	57 LEDs
Dimensions	200 * 20 * 2 mm
Weight	22g
Mounting	3M tape VHB4905

Environment Parameters	
Working Temperature	-25°C ~ +70°C
Storage Temperature	-20°C ~ +60°C
IP grade	IP20

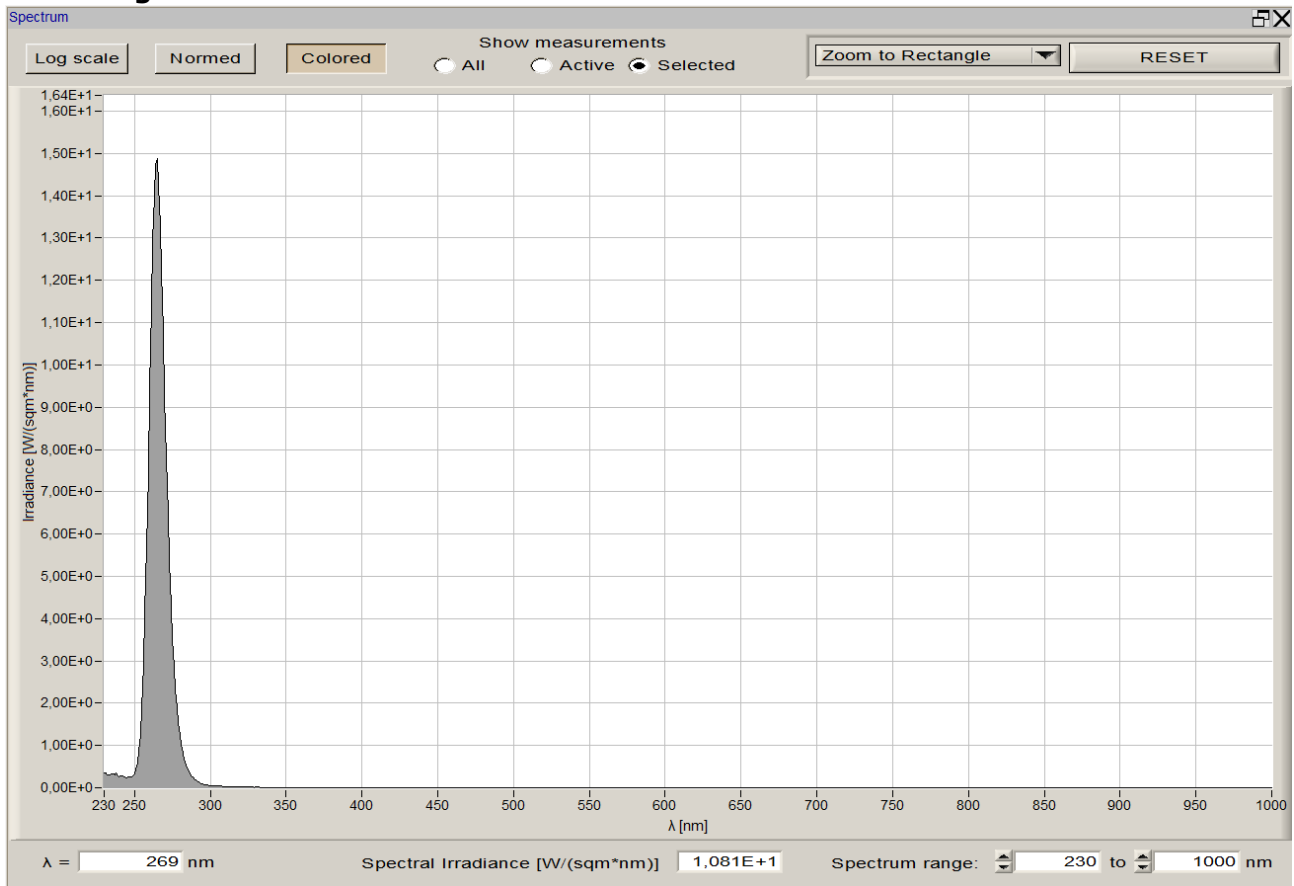
Electronic Specifications	
Working Voltage	DC24V
Working Current	1,7 A/ piece
Working Wattage	40,8 W/ piece
Driving Method	Constant Voltage

Lighting Specifications	
Wavelength (nm)	UV-C 265 nm
Viewing Angle (θ)	60 ±5°

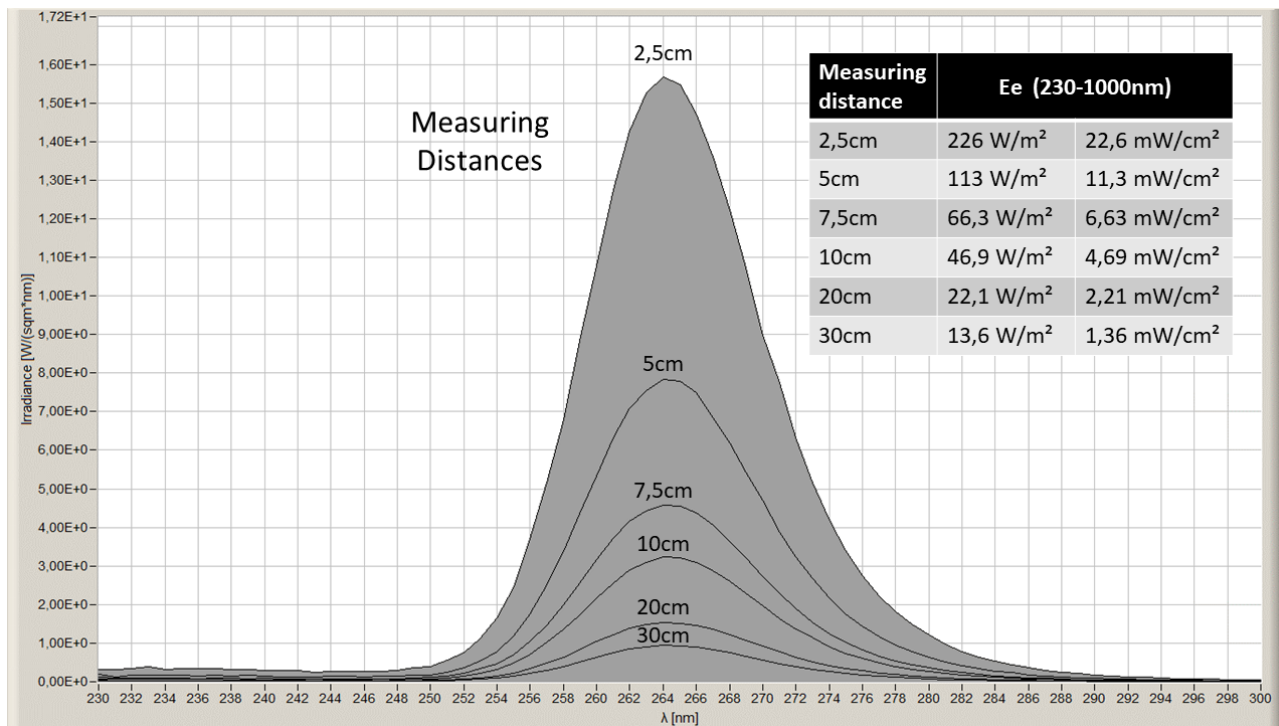
Irradiance at	Ee (W/m ²) 230-1000nm	Ee (W/cm ²) 230-1000nm
2,5 cm	226 W/m ²	22,6 mW/cm ²
5 cm	113 W/m ²	11,3 mW/cm ²
7,5 cm	66,3 W/m ²	6,63 mW/cm ²
10 cm	46,9 W/m ²	4,69 mW/cm ²
20 cm	22,1 W/m ²	2,21 mW/cm ²
30 cm	13,6 W/m ²	1,36 mW/cm ²

Peak Irradiance at 265nm	Ee (W/m ²) 265nm	Ee (W/cm ²) 230-1000nm
2,5 cm	14,9 W/m ²	1,49 mW/cm ²
5 cm	7,88 W/m ²	0,79 mW/cm ²
7,5 cm	4,91 W/m ²	0,49 mW/cm ²
10 cm	3,29 W/m ²	0,33 mW/cm ²
20 cm	1,43 W/m ²	0,14 mW/cm ²
30 cm	0,82 W/m ²	0,08 mW/cm ²

Wavelength UV-C 265nm:

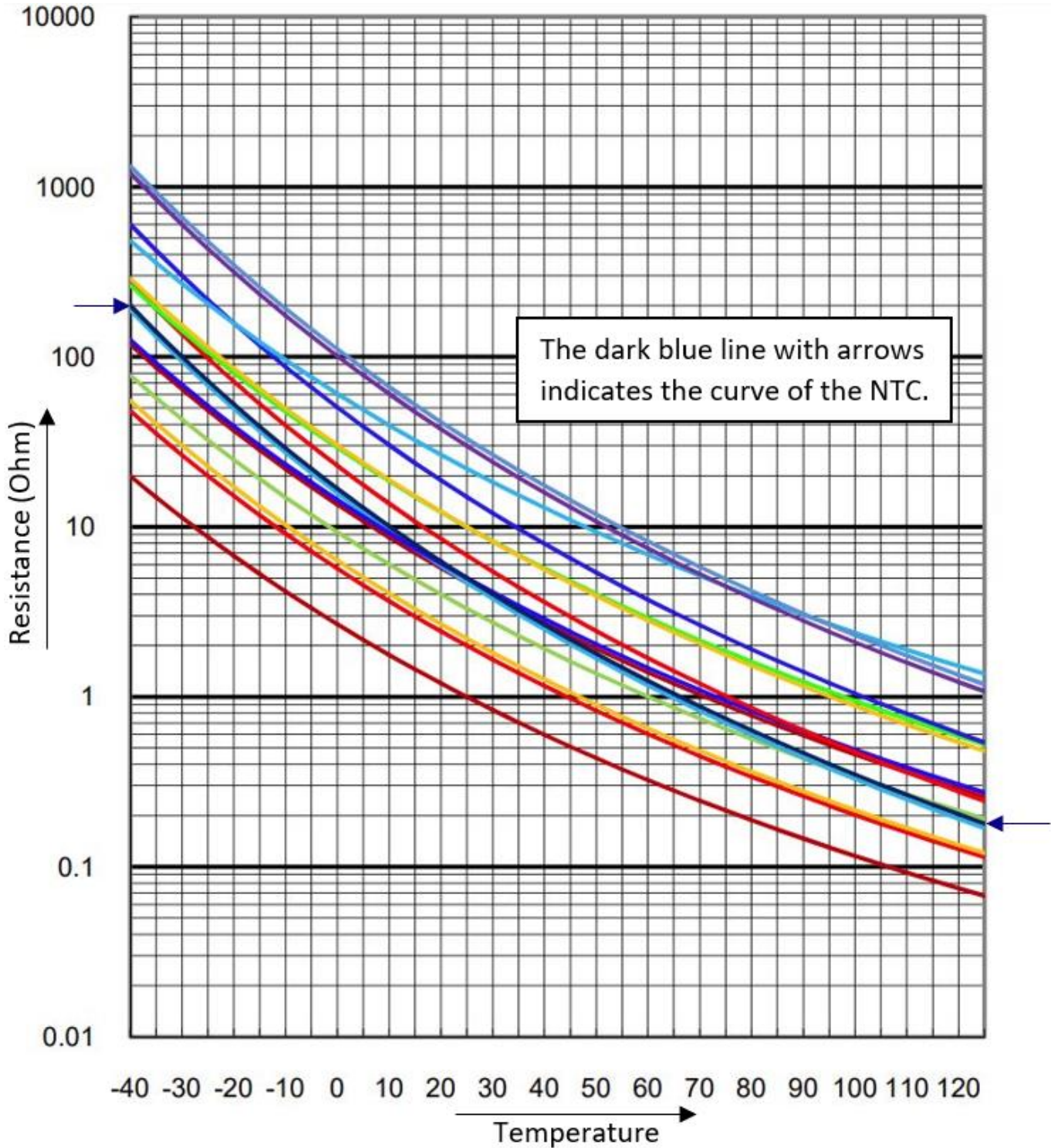


Irradiance UV-C 265nm:



Curvature of the NTC:

NTC parameters	
Resistance (Ohm)	5KOhm
Beta Value	3950



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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