

Datasheet

LED engine specification

Product type:
LF-24-365-24.2x16

Description:
**LuxaLight Industrial LED Fixture UV-A 365nm 24.2x16mm
(24 Volt, 2835, IP64)**



Date:
18-01-2023

Page 1 of 6

Basic Parameters	
LED Type	2835 SMD
LED Qty	108 LEDs / Engine
Dimensions	Variable (see table)* 24,2 * 16 mm
Weight	Variable (see table)
Mounting	Surface Mounted

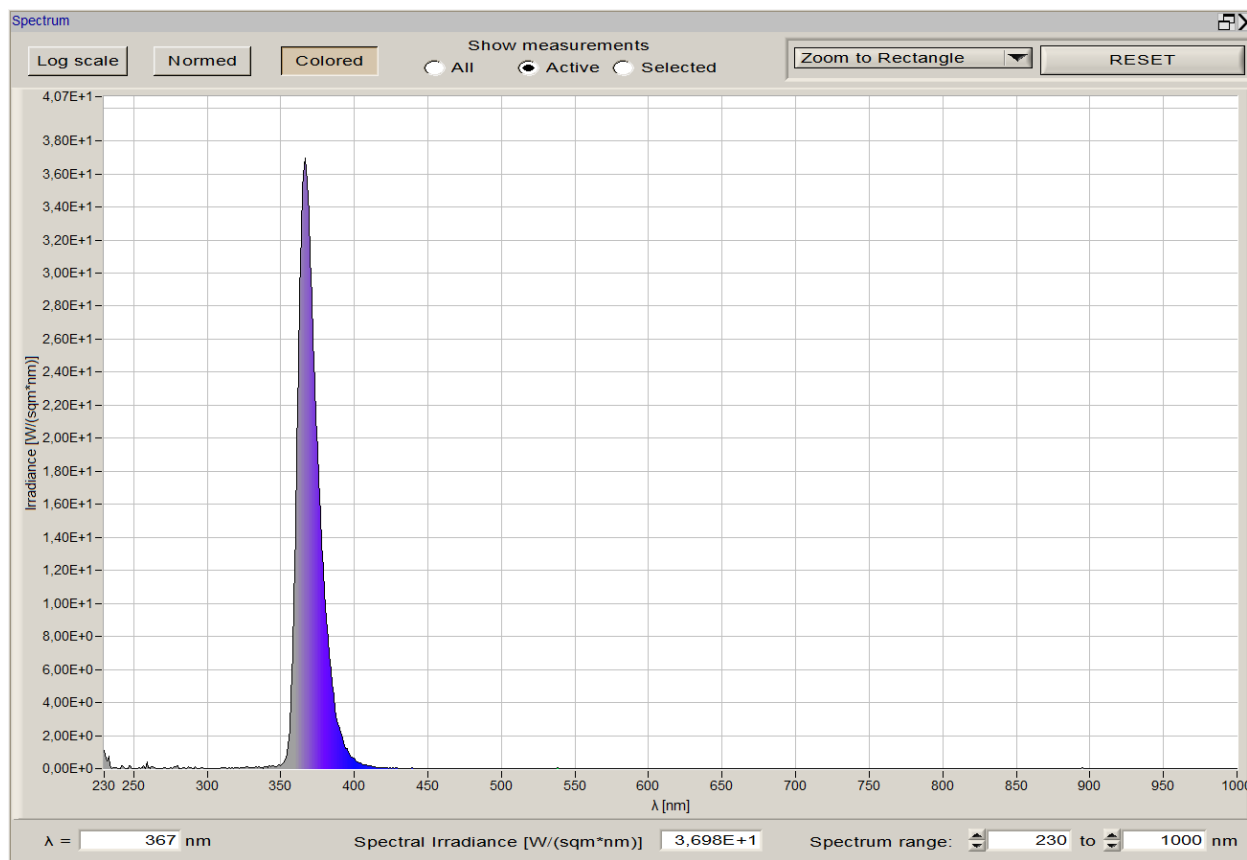
Environment Parameters	
Working Temperature	-25°C ~ +70°C
Storage Temperature	-20°C ~ +60°C
IP grade	IP64 Silicone Coating

Electronic Specifications	
Working Voltage	DC24V
Working Current	1,25 A / Piece
Working Wattage	30 W/ Piece
Driving Method	Constant Voltage

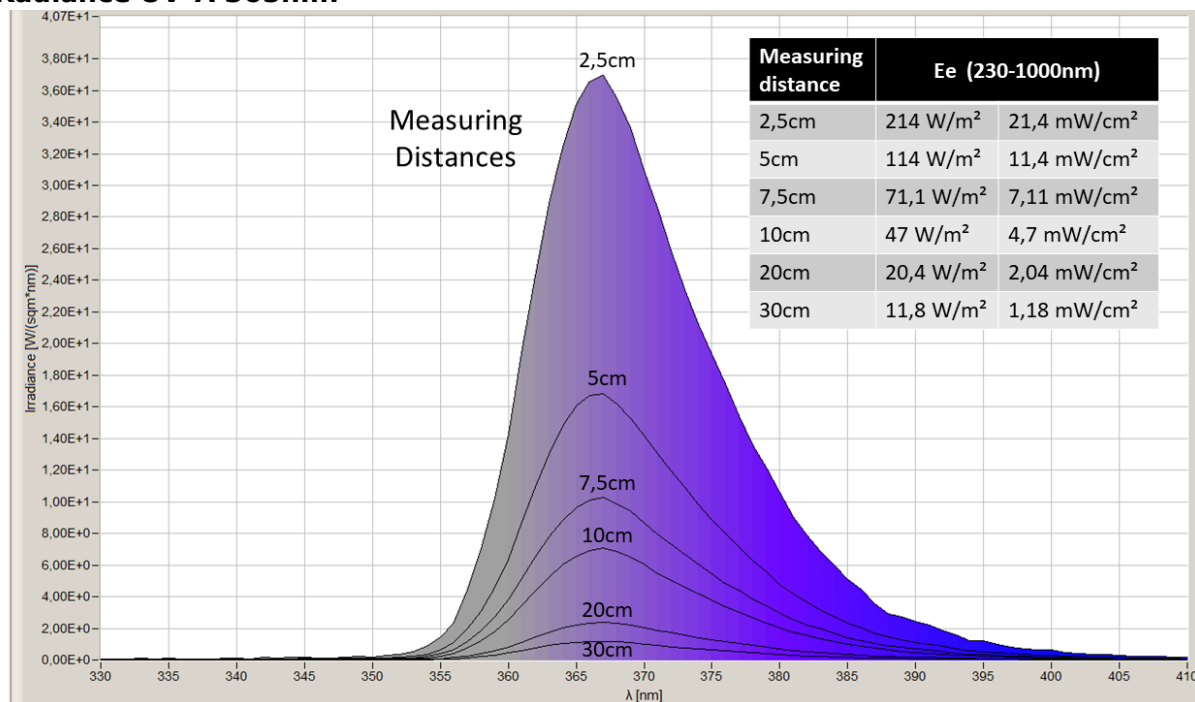
Lighting Specifications	
Wavelength (nm)	365nm UV-A
Viewing Angle (θ)	120 ±5°

Irradiance at	Ee (W/m ²) 230-1000nm	Ee (W/cm ²) 230-1000nm
2,5 cm	214 W/m ²	21,4 mW/cm ²
5 cm	114 W/m ²	11,4 mW/cm ²
7,5 cm	71,1 W/m ²	7,11 mW/cm ²
10 cm	47 W/m ²	4,7 mW/cm ²
20 cm	20,4 W/m ²	2,04 mW/cm ²
30 cm	11,8 W/m ²	1,18 mW/cm ²

Wavelength UV-A 365nm:

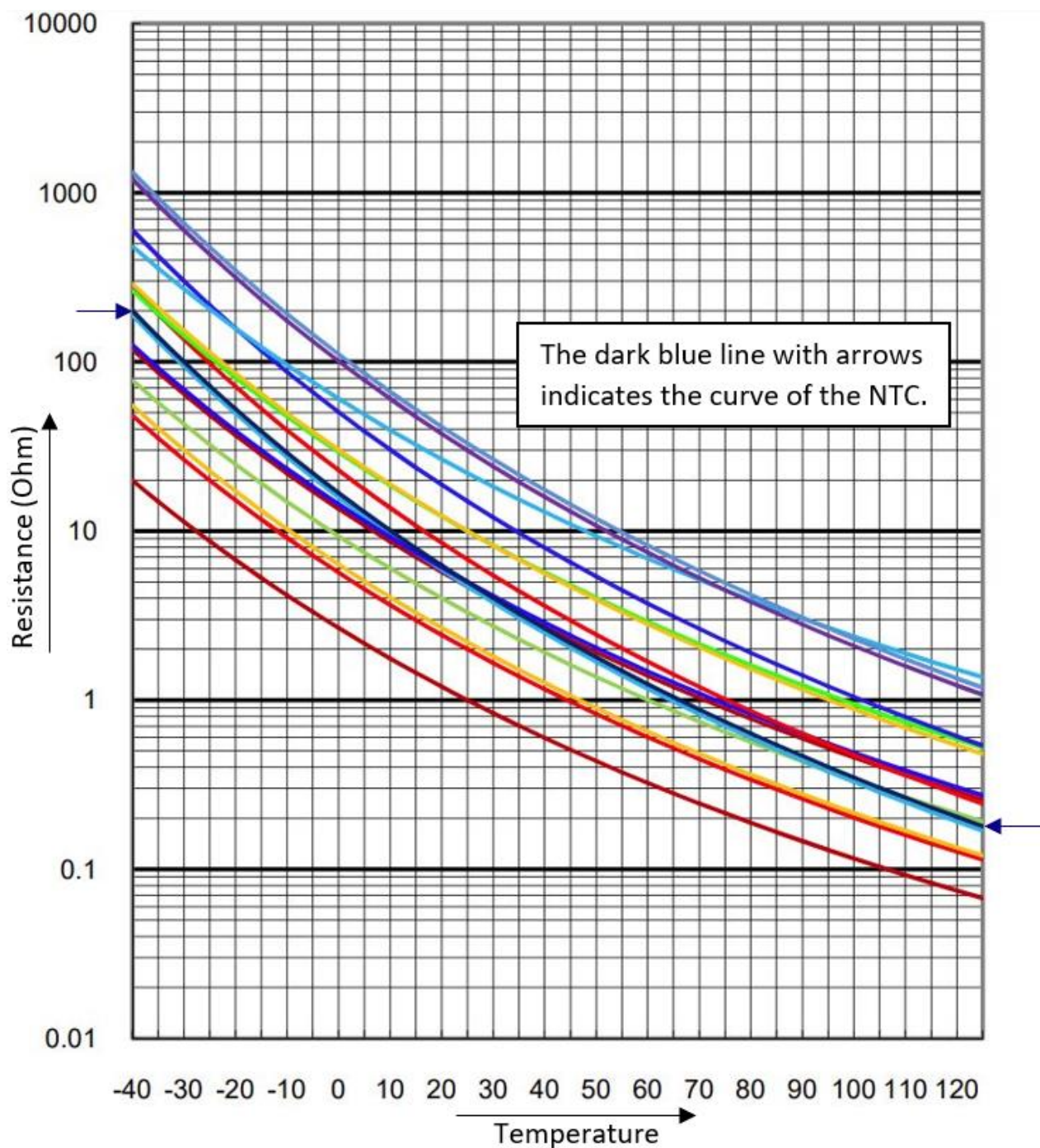


Radiance UV-A 365nm:



NTC parameters	
Resistance (Ohm)	5KOhm
Beta Value	3950

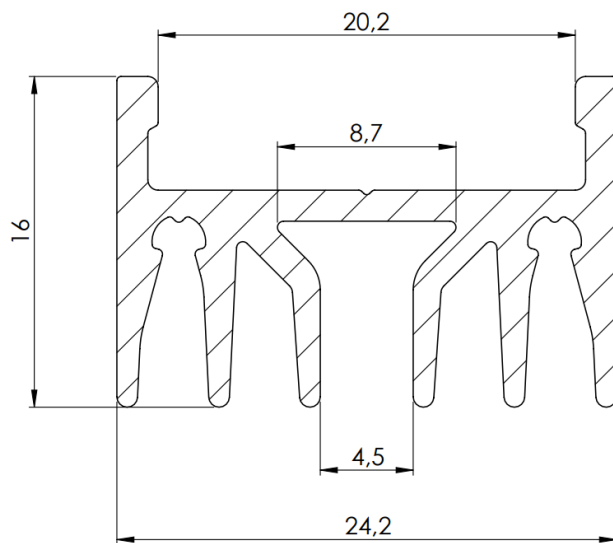
Curvature of the NTC:



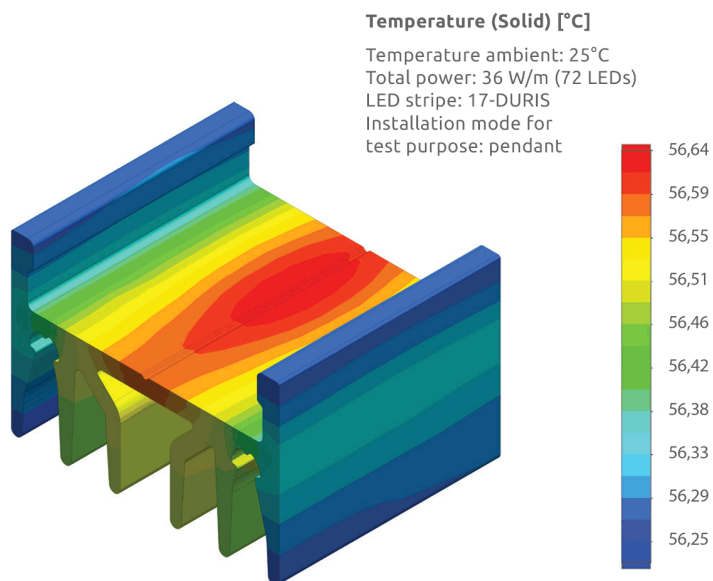
Configuration table

Modules	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Fixture Length (cm)	22	42	62	82	102	122	144	164	184	204	224	244	264	284
Weight (g)	115	220	325	430	534	639	754	859	964	1069	1173	1278	1383	1488
Power Entries	1	1	1	1	1	1	2	2	2	2	2	2	2	2
Power Consumption (Watt)	30	60	90	120	150	180	210	240	270	300	330	360	390	420
Silicone Moulding	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyurethane Moulding	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clear Lenscover	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Opal Lenscover	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Dimensions



Temperature Distribution



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

While LuxaLight has made every reasonable effort to ensure the accuracy of the information in this brochure, LuxaLight does not guarantee that it is error-free, nor does LuxaLight make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. LuxaLight reserves the right to make any adjustments to the information contained herein at any time without notice. LuxaLight expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalogue are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult LuxaLight for the latest dimensions and design specifications.