

Datasheet

LED engine specification

Product type:
LF-24-365-24.2x16

Description:
LuxaLight Industrial LED Fixture 24V 365nm 24.2x16mm



Date:
18-01-2023

Basic Parameters	
LED Type	2835 SMD
Color	365nm UV-A
Viewing Angle (θ)	120 $\pm$ 5°
LED Qty	108 LEDs / Engine
IP grade	IP64 Silicone Coating
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

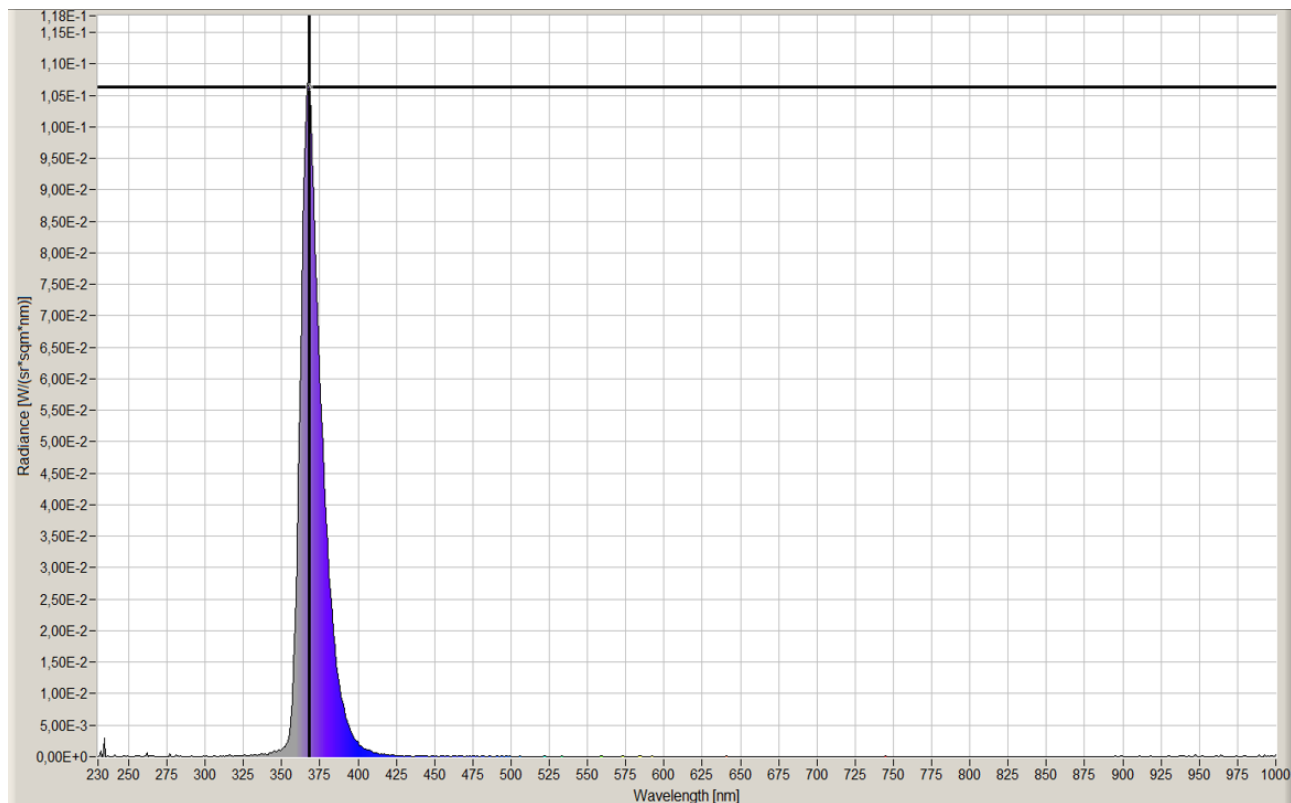
Electronic Specifications	
Working Voltage	DC24V
Working Current	1,25 A/
Working Wattage	30 W/ mtr
Driving Method	Constant Voltage

Radiance (W)	
UV 365nm	11,84 W

Wavelength/ Color Temperature	(nm/k)
UV-A	365 nm

NTC parameters	
Resistance (Ohm)	5KOhm
Beta Value	3950

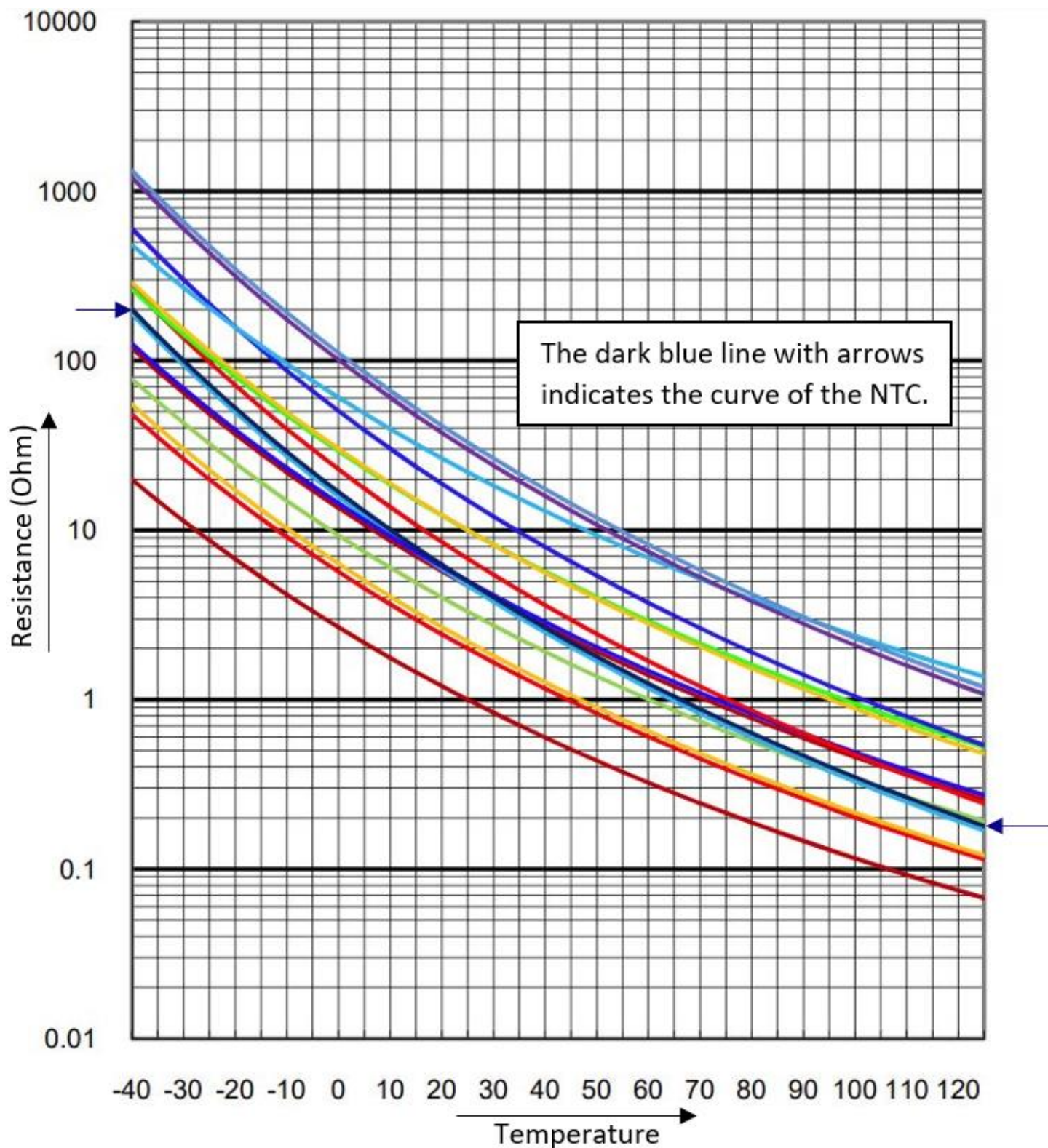
Wavelength UV-A 365nm:



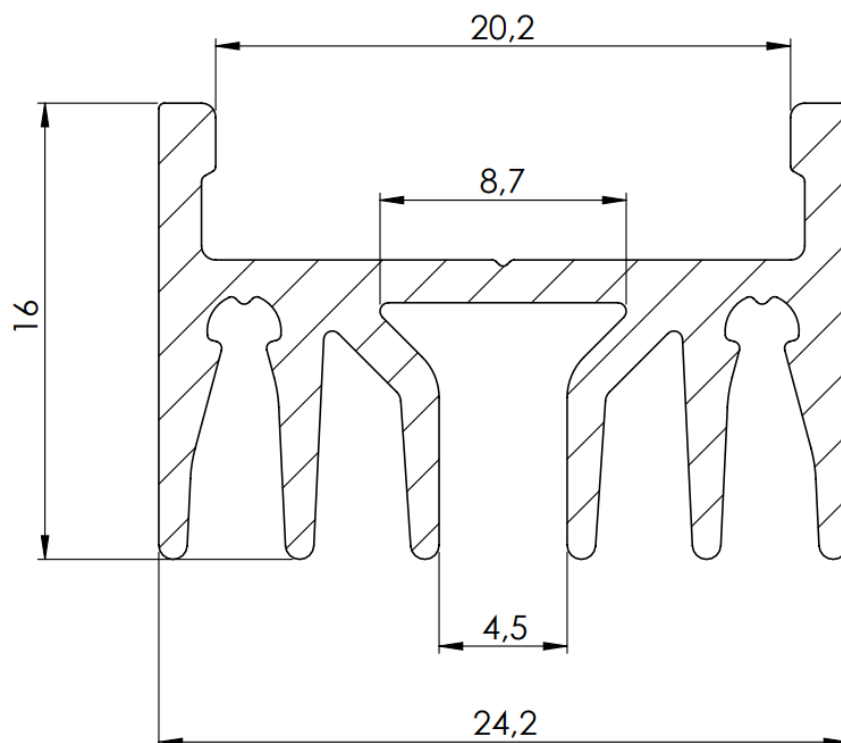
Configuration table

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
Silicone Moulding	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Polyurethane Moulding	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Clear Lenscover	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Opal Lenscover	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

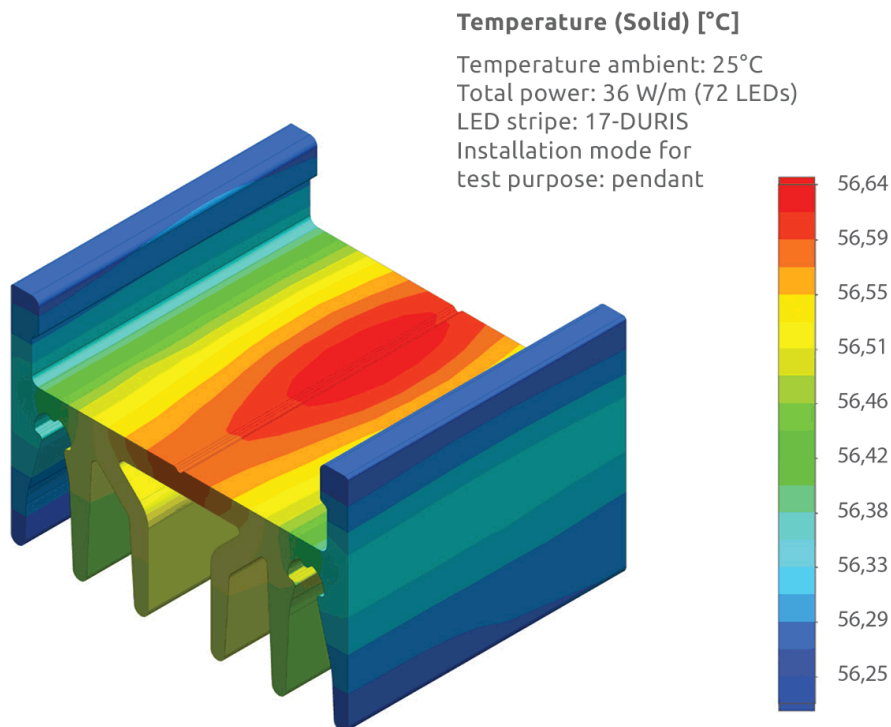
Curvature of the NTC:



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

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