

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)**

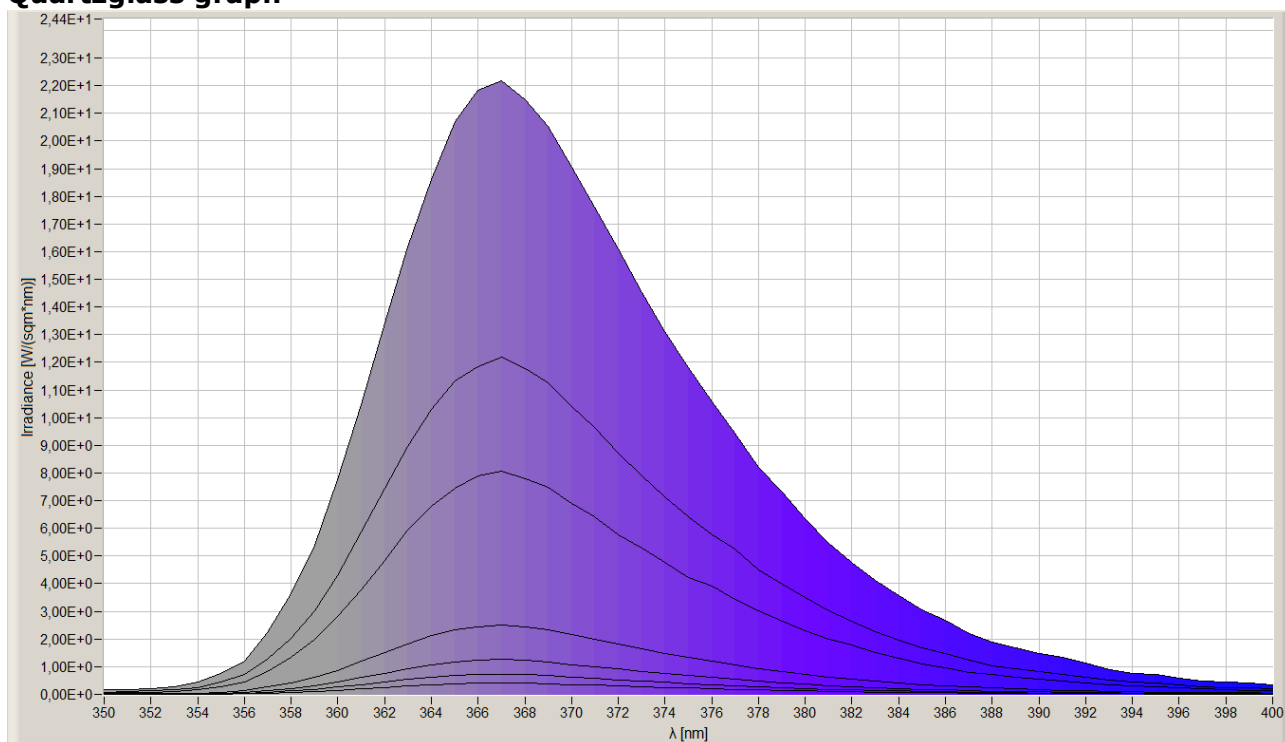


Date:
04-05-2023

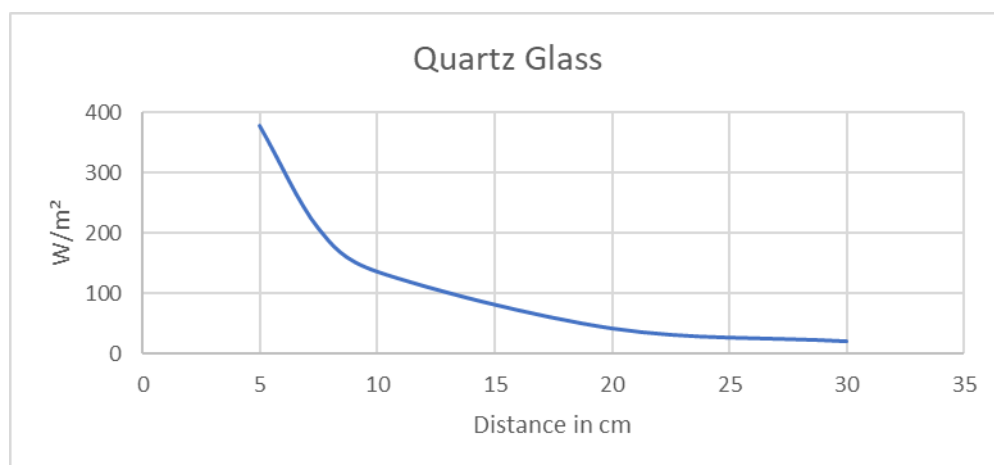
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Technical Specifications			
LF-24-365-24.2x16-(...)		Quartz Glass QG	
General	LED Type	2835 SMD	
	LED Quantity	108 LEDs / Engine	
	Dimensions	Variable (see table) * 24,2mm * 16mm (B x L x H)	
	Weight	Variable, depending on moulding and length	
	Mounting	Surface mounted	
Environment	Working Temperature	-25°C ~ +60°C	
	Storing Temperature	-20°C ~ +70°C	
	IP Grade	IP68	
	Mechanical Protection	5mm thick Quartz Glass	
	Housing material	Anodized aluminium	
	Moulding Resin	N.A.	
Electronic	Working Voltage	DC24V	
	Working Current	1,25 A / Engine	
	Working Wattage	30 W / Engine	
	LED Engine type	LuxaLight LED Engine UV-A 365nm 24V 2835 IP64	
	Driving Method	Constant Voltage	
	Cable type	PUR Cable 4x 0.5mm² Gray LuxaLight	
	NTC Resistance	5KOhm	
	NTC Beta	3950	
Lighting	Engine Wavelength (nm)		365nm UV-A
	Peak Measured Wavelength (5cm)		367nm
	Peak Measured Radiance per distance (cm)	5	22,2 W/m²
		7,5	12,2 W/m²
		10	8,1 W/m²
		20	2,5 W/m²
		30	1,3 W/m²
		40	0,73 W/m²
		60	0,41 W/m²
	Total Radiance per distance 230nm - 1000nm (cm)	5	379,3 W/m²
		7,5	209,2 W/m²
		10	137,3 W/m²
		20	43,08 W/m²
		30	21,58 W/m²
		40	12,6 W/m²
		60	7,33 W/m²
	Output Reduction Approx.		5% - 10%
	Viewing Angle (θ)		120 ±5°

Quartzglass graph



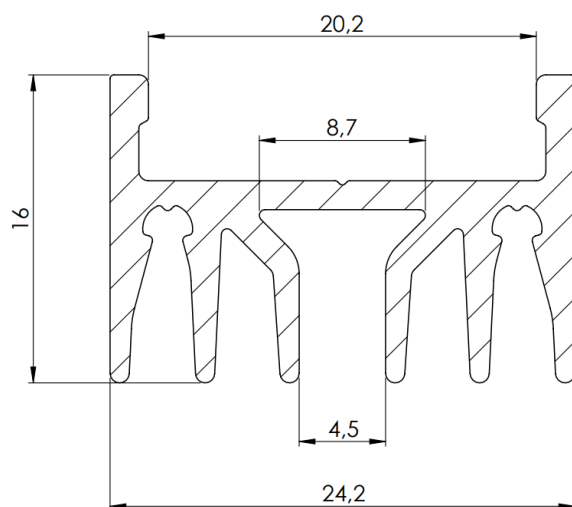
Radiance Drop-off by distance



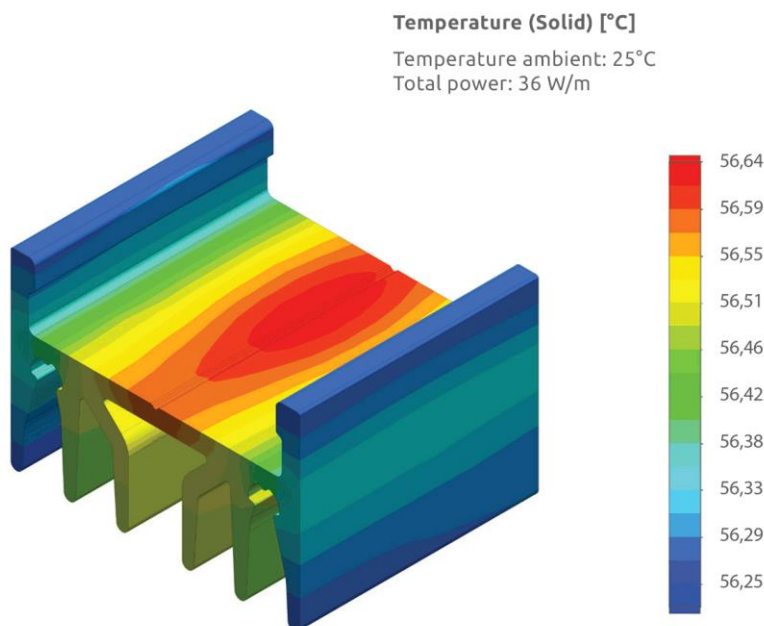
Configuration table

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
Quartz Glass	Output 5% - 10% Reduced - IP68													

Dimensions



Temperature Distribution



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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