

Datasheet

LED engine specification

Product type:
LF-24-365-26.6X23.5-QG

Description:
**LuxaLight Industrial LED Fixture Quartz Glass UV-A 365nm 26.6X23.5mm
(24 Volt, 2835, IP64)**



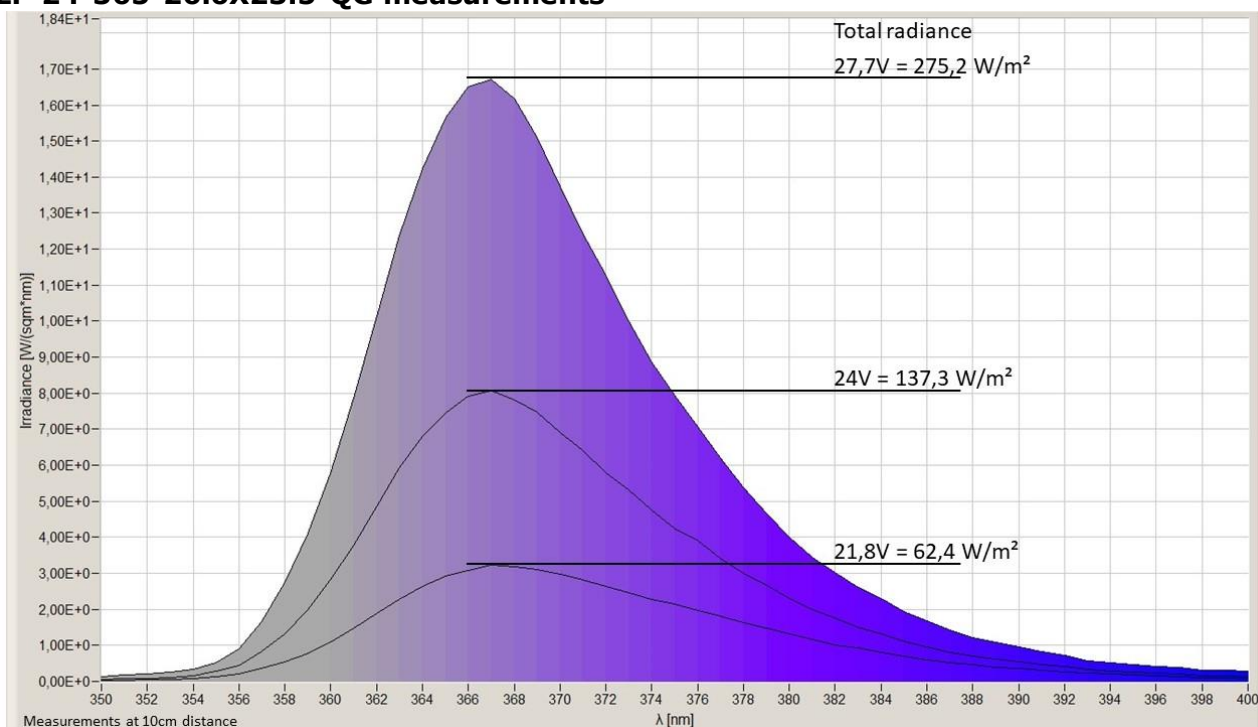
Date:
20-11-2023

Technical Specificaties										
LF-24-365-26.6x23.5-QG				Quartz Glass						QG
General	LED Type			2835 SMD						
	LED Quantity			108 LEDs / Engine						
	Dimensions			220mm - 3000mm * 26.6mm * 23.5mm (L * B * H)						
	Weight			Variable, depending on length						
	Infosheet			LuxaLight Industrial LED Fixtures infopage						
Environment	Working Temperature			-5°C ~ +60°C						
	Storing Temperature			-5°C ~ +60°C						
	IP Grade			IP64						
	Mechanical Protection			1,5mm thick Quartz Glass						
	Housing material			Anodized aluminium						
	Moulding Resin			N.A.						
Electronic	Working Voltage			24VDC						
	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	Voltage at measurement			21,8VDC		24VDC		27,7VDC		
	Current at measurement			0,47 A		1,25 A		2,25 A		
	Wattage at measurement			10,2 W		30 W		62,3 W		
	Engine Wavelength (nm)			365nm UV-A						
	Peak Measured Wavelength (5cm)			367nm						
	Peak Measured Radiance per distance (cm) (1 LED Engine)		5	103 mJ/cm²	10,3 W/m²	222 mJ/cm²	22,2 W/m²	466 mJ/cm²	46,6 W/m²	
			7,5	48 mJ/cm²	4,8 W/m²	122 mJ/cm²	12,2 W/m²	256 mJ/cm²	25,6 W/m²	
			10	32 mJ/cm²	3,2 W/m²	81 mJ/cm²	8,1 W/m²	167 mJ/cm²	16,7 W/m²	
			20	9,8 mJ/cm²	0,98 W/m²	25 mJ/cm²	2,5 W/m²	50 mJ/cm²	5 W/m²	
			30	4,4 mJ/cm²	0,44 W/m²	13 mJ/cm²	1,3 W/m²	23 mJ/cm²	2,3 W/m²	
			40	2,5 mJ/cm²	0,25 W/m²	7,3 mJ/cm²	0,73 W/m²	13 mJ/cm²	1,3 W/m²	
			60	1,4 mJ/cm²	0,14 W/m²	4,1 mJ/cm²	0,41 W/m²	7 mJ/cm²	0,7 W/m²	
	Total Radiance per distance 230nm - 1000nm (cm) (1 LED Engine)		5	2000 mJ/cm²	200 W/m²	3793 mJ/cm²	379,3 W/m²	7620 mJ/cm²	762 W/m²	
			7,5	937 mJ/cm²	93,7 W/m²	2092 mJ/cm²	209,2 W/m²	4203 mJ/cm²	420,3 W/m²	
			10	624 mJ/cm²	62,4 W/m²	1373 mJ/cm²	137,3 W/m²	2752 mJ/cm²	275,2 W/m²	
			20	187 mJ/cm²	18,7 W/m²	431 mJ/cm²	43,1 W/m²	816 mJ/cm²	81,6 W/m²	
			30	85 mJ/cm²	8,5 W/m²	216 mJ/cm²	21,6 W/m²	383 mJ/cm²	38,3 W/m²	
			40	49 mJ/cm²	4,9 W/m²	126 mJ/cm²	12,6 W/m²	217 mJ/cm²	21,7 W/m²	
			60	27 mJ/cm²	2,7 W/m²	73,3 mJ/cm²	7,33 W/m²	119 mJ/cm²	11,9 W/m²	
	Output Reduction Approx. Due to cover			5% - 10%						
Viewing Angle (θ)			120 ±5°							
Keep the LED Fixture within operating temperatures, for more information about heat management, read the 'Luxalight modular LED Fixtures infosheet'.										

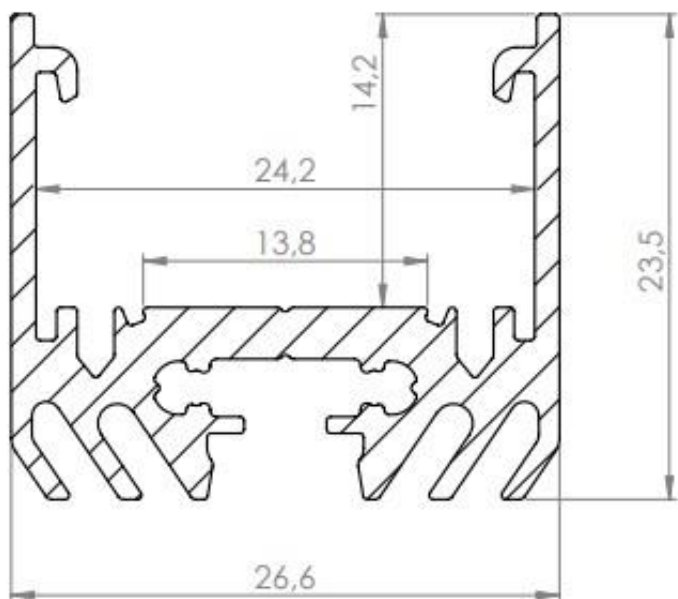
Additional Benefits of LuxaLight Industrial LED Fixture	
Benefits of LED Fixture	Multiple wavelengths in one housing
	No optics required due to high output
	Applicable in Humid environments (PU Version)
	Custom cable output and/or connector
	Wide range of mounting options
	In-house expertise to personally advice on LED fixture customization
	*By using the pulse mode in combination with real-time monitoring extremely high output
	*Different wavelengths in one fixture that can be controlled/pulsed separately

**In combination with the MaNima Pollux Industry*

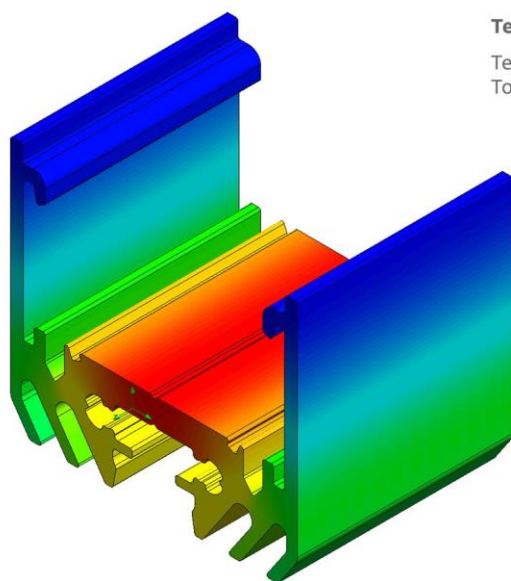
LF-24-365-26.6X23.5-QG measurements



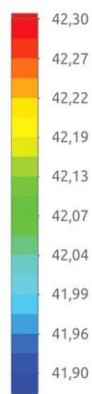
Dimensions



Temperature Distribution



Temperature (Solid) [°C]
Temperature ambient: 25°C
Total power: 21,6 W/m



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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