

Datasheet

LuxaLight Industrial LED Fixture Quartz Glass UV-C 265nm 3535 60° 26.6x23.5mm (24 Volt, 3535, IP64)

LF-24-265-26.6x23.5-QG

Version: 2025-08-26.1

Product description

The **LuxaLight Industrial LED Fixture Quartz Glass UV-C 265 nm (266 × 23.5 mm)** offers powerful and consistent germicidal radiation with a measured peak at ~263 nm. Its **modular format** (220–3000 mm), durable **quartz glass cover**, and integration with the **MaNima Pollux Industrial System** make it ideal for industrial disinfection, sterilization, photochemical activation, and automated cleaning systems.

Key Specifications

Property	Value / Description
Wavelength	265 nm UV-C (measured peak ~263 nm)
LED Type	3535 (57 LEDs)
Beam Angle	60°
Irradiance Output	123 W/m² @ 5 cm; 62.3 W/m² @ 10 cm; 39.2 W/m² @ 15 cm
Cover	Quartz glass – optimal UV-C transmission with mechanical resistance
PCB Protection	Aluminium PCB with silicone coating
Environmental Protection	IP64 – dust-tight and splash-resistant
Voltage / Power	24 V DC, 50.2 W per module
Thermal Monitoring	Integrated NTC sensor, controllable via MaNima Pollux
Design	Modular & scalable, from 220 to 3000 mm
Dimensions	266 × 23.5 mm fixture profile
Operating Conditions	–20...+60 °C; built for industrial use (dust/vibration resistant)

Applications

- **Surface Disinfection** – inactivates bacteria, viruses, fungi, and spores effectively on exposed surfaces
- **Air & Water Purification** – ideal for HVAC systems and water treatment modules
- **Biomedical & Cleanroom Sterilization** – useful for disinfecting lab benches, instruments, PPE, and perimeter zones
- **Photochemical Activation** – triggers UV-C specific reactions in chemical and material processes
- **Automated Decontamination Systems** – suits integration in robotic or sensor-controlled cleaning workflows

Benefits for Engineers

- **Maximum Germicidal Efficiency** – peak at 263 nm targets DNA/RNA inactivation
- **Controlled Operation** – NTC+Pollux monitoring ensures safe and stable performance
- **Robust Build** – aluminium structure and quartz cover for sustainable industrial use
- **Modular Flexibility** – scalable length design up to 3000 mm
- **Automation-Ready** – fully compatible with Pollux, PLC, SCADA, and custom system integration

Integration with MaNima Pollux Industrial System

- Real-time temperature monitoring via NTC sensor
- Pulsing/strobing modes for optimized peak output
- Thermal overload protection for longevity
- Compatible with PLC/SCADA systems
- **Open API (UDP-based)** for bespoke automation strategies

Technical specifications

General		
Brand	LuxaLight	
Application	Disinfection	
LED type	3535	
Material	Aluminum	
Dimensions	220 × 26,6 × 23,5 mm	
Mounting	Surface mounted	
Cover type	Quartz glass	
LEDs per piece	57.00	
Lighting		
Wave length	265 nm	
Beam angle	60 °	
Measurement results		
Peak wavelength (Object size: 1 piece)	263 nm	
Peak irradiance (Object size: 1 piece)		24V
	5cm	8.17814 W/sqm
	10cm	4.12458 W/sqm
	15cm	2.59006 W/sqm
	20cm	1.85094 W/sqm
	25cm	1.31947 W/sqm
	30cm	0.979916 W/sqm
Total irradiance (Object size: 1 piece)		24V
	5cm	123.2 W/sqm
	10cm	62.29 W/sqm
	15cm	39.17 W/sqm
	20cm	27.78 W/sqm
	25cm	19.9 W/sqm
	30cm	14.76 W/sqm
• By combining Pulse Mode with Real-Time Monitoring, the efficiency of LED systems can be increased, resulting in higher output. • We have the expertise and equipment to perform measurements tailored to the specific requirements of the application.		
Electronics		
Working voltage	24V	
Current per piece	1.70 A / piece	
Power consumption per piece	40.80 W / piece	
PCB material	Aluminium	

Pinout

Symbol	Function
V+	V+
GND	Ground
NTC	NTC sensor
NTC_GND	NTC ground

NTC parameters

Resistance: 5000 Ohm
Beta value: 3950

Environmental

Operating temperature -20 ~ +60 °C

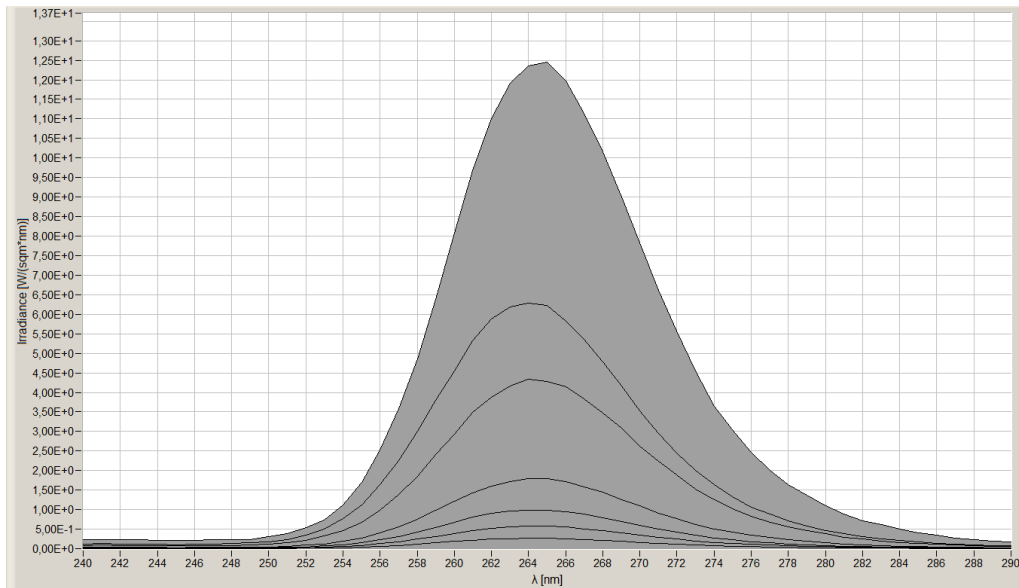
Storage temperature -40 ~ +80 °C

Directives - standards - certificates

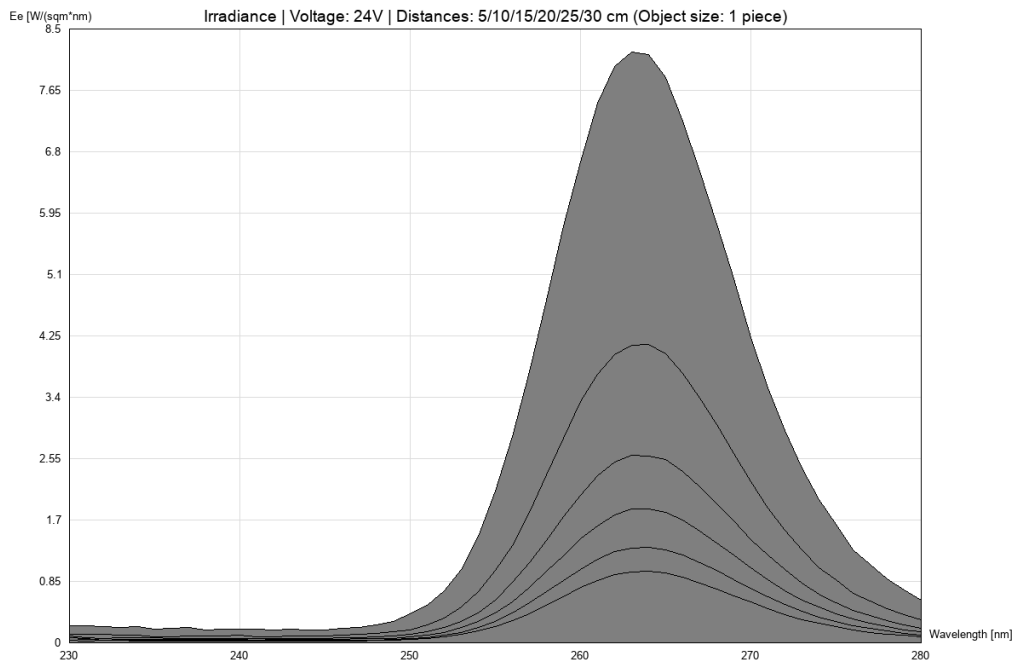
Directives RoHS
CE

Safety standards EN60598-1
EN62031
IEC62471

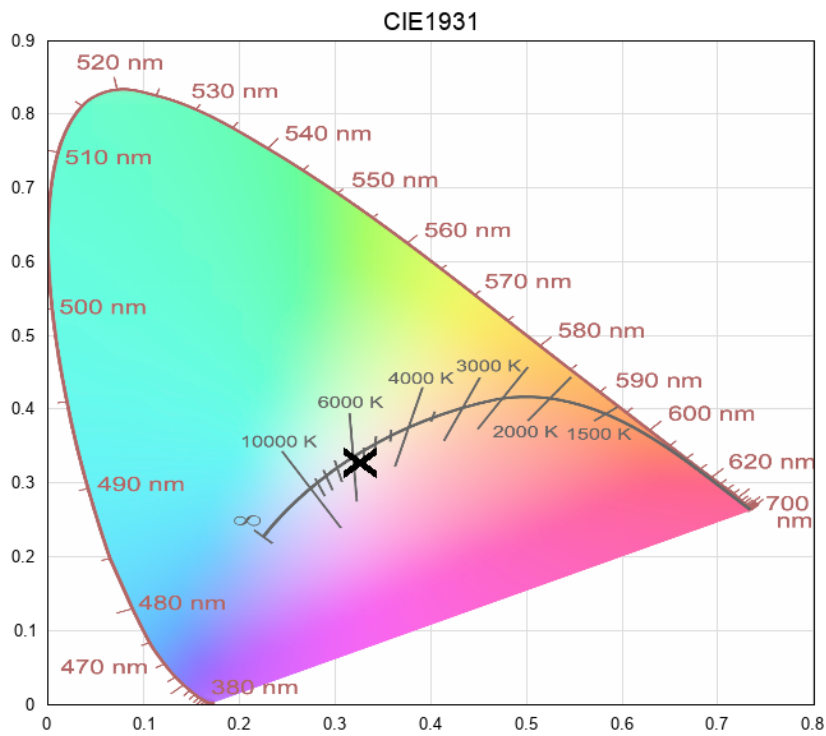
Measurement results



irradiance - 230-280-uv-c (24V)



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