

Datasheet

LuxaLight Industrial LED Fixture Transparent cover UV-A 405nm 24.2x16mm (24 Volt, 2835, IP64)

LF-24-405-24.2X16-TC

Version: 2025-03-28.1

Technical specifications

General

Brand	LuxaLight
Application	Curing & Aging Machine Vision UV Inspection
LED type	2835
Material	Aluminum
Dimensions	220 × 24,2 × 16 mm
Mounting	Surface mounted
Cover type	PMMA transparent
LEDs per piece	108.00

Lighting

Wave length UV	405 nm
Beam angle	120 °

Measurement results

PPFD	Value	Measuring distance
	1263 µmol/m ²	50 mm
687 µmol/m ²	75 mm	
442 µmol/m ²	100 mm	
139 µmol/m ²	200 mm	
71,8 µmol/m ²	300 mm	
44,9 µmol/m ²	400 mm	
29 µmol/m ²	600 mm	

Irradiance	Value	Measuring distance
	455 W/m ²	50 mm
260 W/m ²	75 mm	
166 W/m ²	100 mm	
51,8 W/m ²	200 mm	
26,5 W/m ²	300 mm	
16,2 W/m ²	400 mm	
10,1 W/m ²	600 mm	

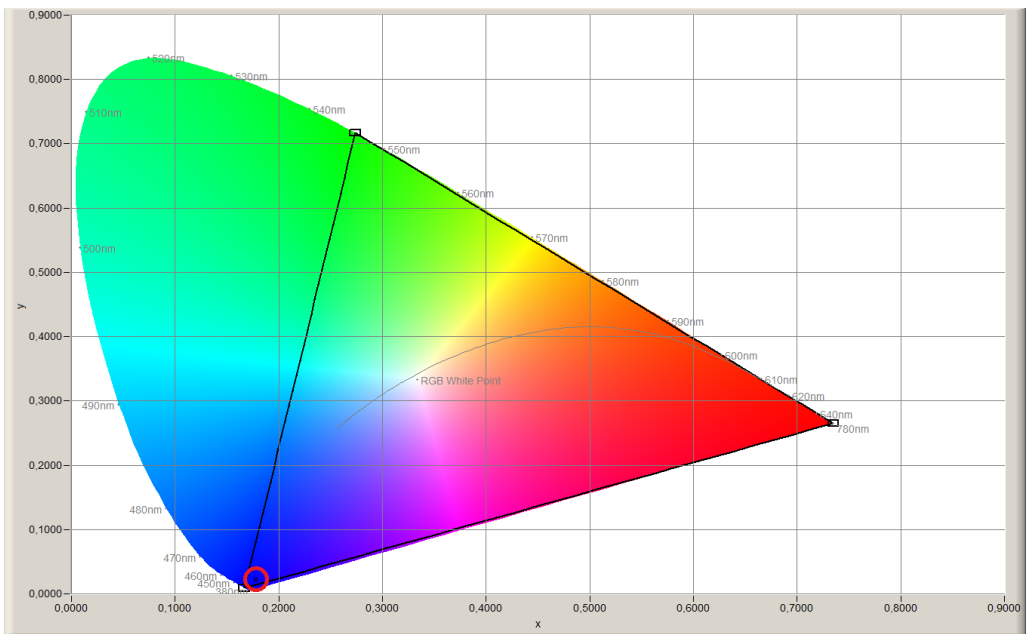
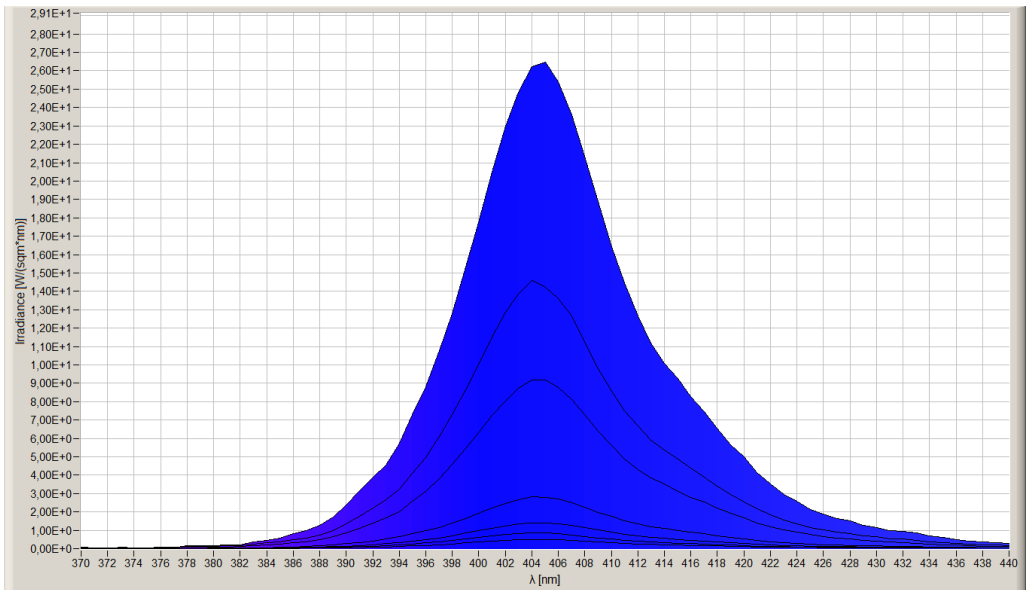
- By combining Pulse Mode with Real-Time Monitoring, the efficiency of LED systems can be increased, resulting in higher output.
- We have the expertise and equipment to perform measurements tailored to the specific requirements of the application.

Electronics

Working voltage	24V
Current per piece	1.25 A / piece
Power consumption per piece	30.00 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	
IP class	IP 64	
Directives - standards - certificates		
Directives	RoHS CE	
Safety standards	EN60598-1 EN62031 IEC62471	

Measurement results



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