

Datasheet

LuxaLight Industrial LED Fixture Transparent IP68 Deep Red 660nm 24.2x16mm (24 Volt, 2835, IP68)

LF-24-660-24.2x16-PU

Version: 2025-03-28.1

Technical specifications

General

Brand	LuxaLight
Application	Barcode Scanning Machine Vision
LED type	2835
Material	Aluminum
Dimensions	220 × 24,2 × 16 mm
Mounting	Surface mounted
Cover type	Polyurethane
LEDs per piece	108.00

Lighting

Wave length	660nm
Beam angle	120 °

Measurement results

PPFD

Value	Measuring distance
3150 µmol/m ²	50 mm
1473 µmol/m ²	75 mm
929 µmol/m ²	100 mm
282 µmol/m ²	200 mm
141 µmol/m ²	300 mm
91 µmol/m ²	400 mm
60 µmol/m ²	600 mm

Irradiance

Value	Measuring distance
582 W/m ²	50 mm
272 W/m ²	75 mm
179 W/m ²	100 mm
54,9 W/m ²	200 mm
27,1 W/m ²	300 mm
17,3 W/m ²	400 mm
11,2 W/m ²	600 mm

Illuminance

Value	Measuring distance
38,7 klux	50 mm
18,1 klux	75 mm
11,7 klux	100 mm
3,6 klux	200 mm
1,8 klux	300 mm
1,1 klux	400 mm
0,8 klux	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
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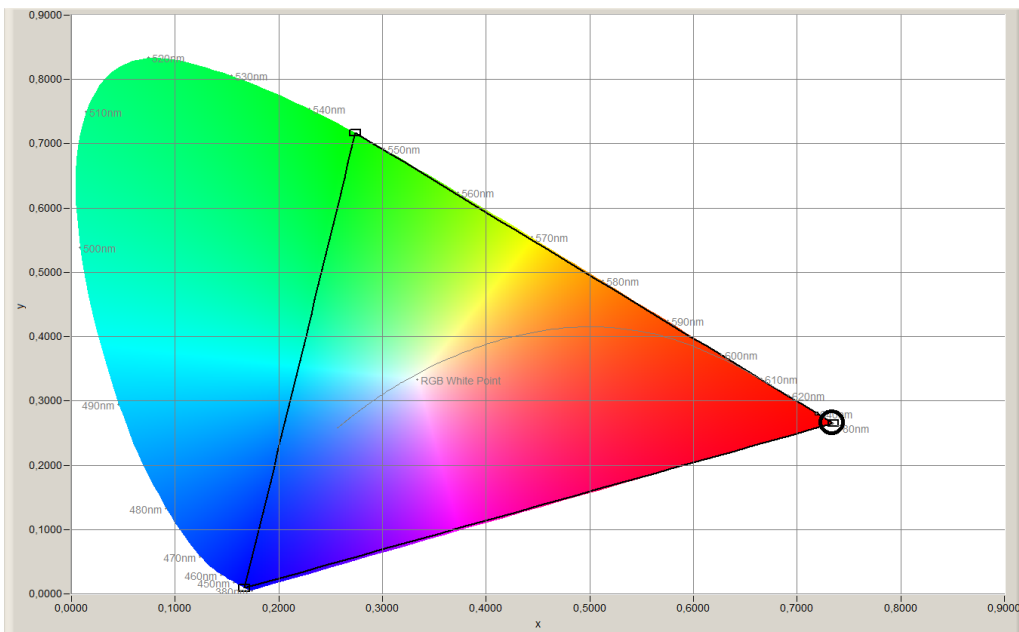
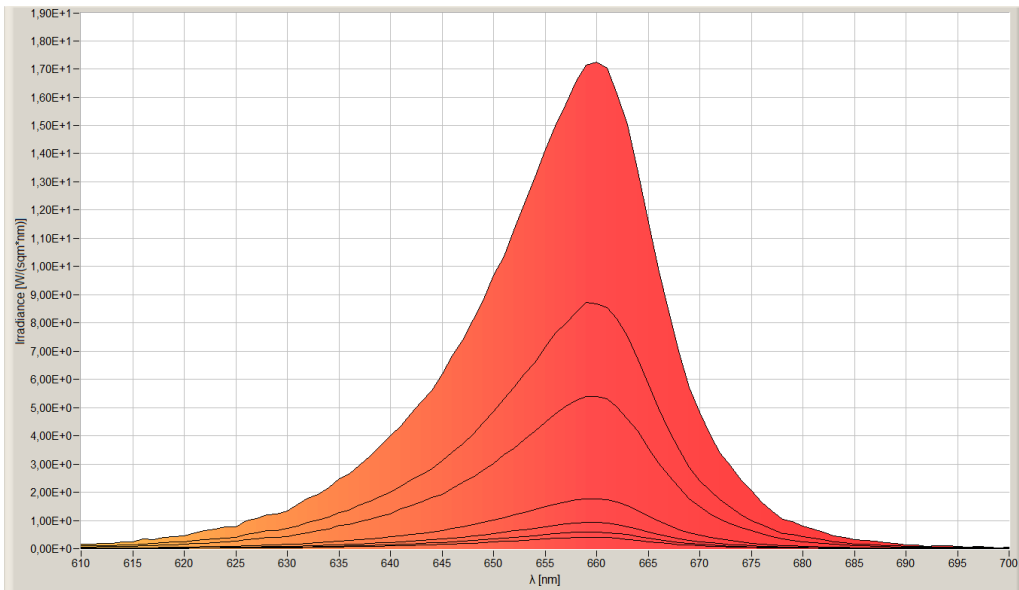
Environmental

Operating temperature	-20 ~ +60 °C
Storage temperature	-40 ~ +80 °C
IP class	IP 68

Directives - standards - certificates

Directives	RoHS CE
Safety standards	EN60598-1 EN62031 IEC62471

Measurement results



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