

Datasheet

LuxaLight Industrial LED Fixture Opaline cover Deep Red 660nm 24.2x16mm (24 Volt, 2835, IP64)

LF-24-660-24.2X16-OC

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	PMMA opal
LEDs per piece	108.00

Measurement results

PPFD	Value	Measuring distance
	2059 $\mu\text{mol}/\text{m}^2$	50 mm
1045 $\mu\text{mol}/\text{m}^2$	75 mm	
700 $\mu\text{mol}/\text{m}^2$	100 mm	
224 $\mu\text{mol}/\text{m}^2$	200 mm	
105 $\mu\text{mol}/\text{m}^2$	300 mm	
72,9 $\mu\text{mol}/\text{m}^2$	400 mm	
47,5 $\mu\text{mol}/\text{m}^2$	600 mm	

Irradiance	Value	Measuring distance
	379 W/m^2	50 mm
204 W/m^2	75 mm	
136 W/m^2	100 mm	
43,2 W/m^2	200 mm	
19,9 W/m^2	300 mm	
13,6 W/m^2	400 mm	
8,8 W/m^2	600 mm	

Illuminance	Value	Measuring distance
	24,1 klux	50 mm
12,5 klux	75 mm	
8,3 klux	100 mm	
2,6 klux	200 mm	
1,2 klux	300 mm	
0,9 klux	400 mm	
0,6 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	<table border="1"> <thead> <tr> <th>Symbol</th> <th>Function</th> </tr> </thead> <tbody> <tr> <td>V+</td> <td>V+</td> </tr> <tr> <td>GND</td> <td>Ground</td> </tr> <tr> <td>NTC</td> <td>NTC sensor</td> </tr> <tr> <td>NTC_GND</td> <td>NTC ground</td> </tr> </tbody> </table>	Symbol	Function	V+	V+	GND	Ground	NTC	NTC sensor	NTC_GND	NTC ground
Symbol	Function										
V+	V+										
GND	Ground										
NTC	NTC sensor										
NTC_GND	NTC ground										
NTC parameters	Resistance: 5000 Ohm Beta value: 3950										

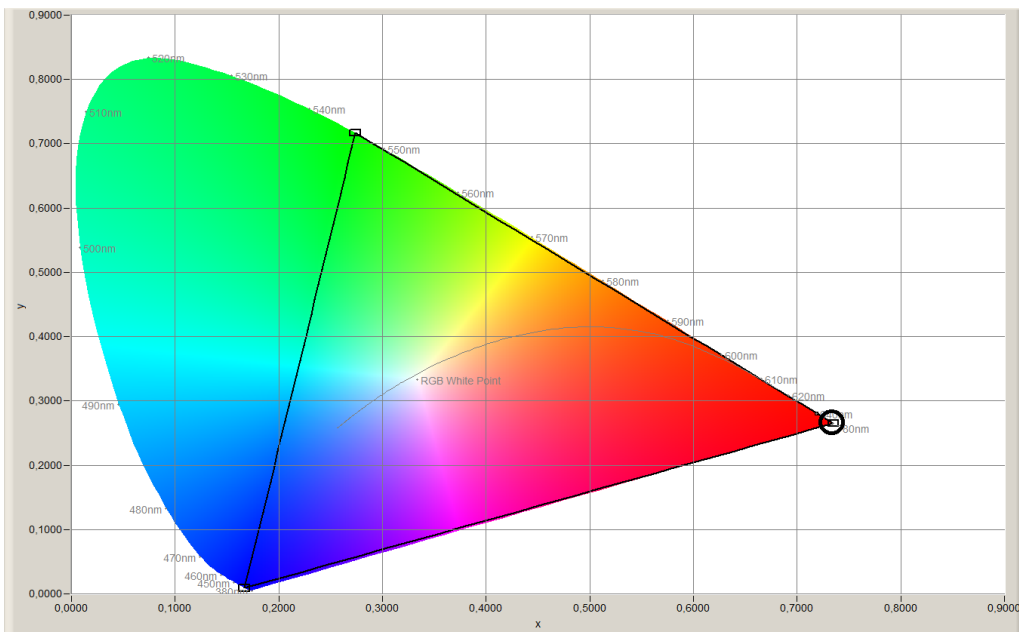
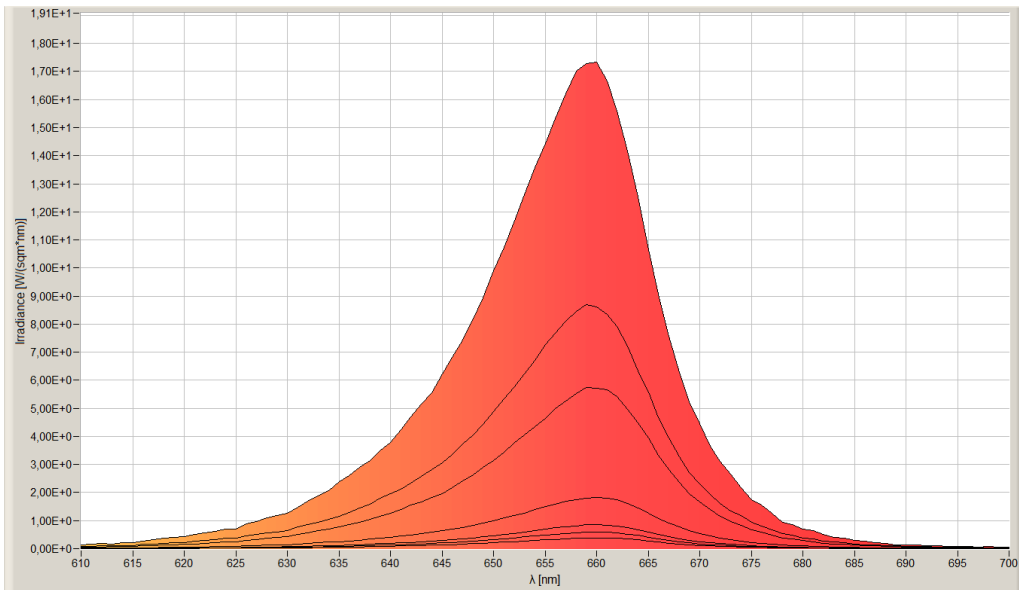
Environmental

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

Directives - standards - certificates

Directives	RoHS CE
Safety standards	EN60598-1 EN62031 IEC62471

Measurement results



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