

Datasheet

LuxaLight Industrial LED Fixture Polarised cover RGBW 24.2x16mm (24 Volt, 5050, IP64)

LF-24-RGBW-24.2X16-POL

Version: 2025-08-27.1

Technical specifications

General

Brand	LuxaLight
Application	Horticulture
LED type	5050
Material	Aluminum
Dimensions	220 × 24,2 × 16 mm
Mounting	Surface mounted
Warranty	5 years
Cover type	PMMA Polarised transparent
LEDs per piece	36.00

Lighting

Color temperature	2650 K
CRI	≥ 95
Wave length Red	620~630 nm
Wave length Green	510 ~ 520 nm
Wave length Blue	450 ~ 460 nm
BIN	3 SDCM
Beam angle	120 °
LB waarde	L80B50

Measurement results

24V	
5cm	34510 lx
10cm	14080 lx
15cm	7229 lx
20cm	4486 lx
25cm	3023 lx
30cm	2280 lx

24V	
5cm	601.21 umol/m2
10cm	244.78 umol/m2
15cm	125.7 umol/m2
20cm	78.02 umol/m2
25cm	52.56 umol/m2
30cm	39.66 umol/m2

- 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
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Current per piece 0.40 A / piece

Power consumption per piece 9.60 W / piece

PCB material Aluminium

Pinout	Symbol	Function
	V+	V+
R	Red channel	
G	Green channel	
B	Blue channel	
W	White channel	

NTC parameters Resistance: 5000 Ohm
 Beta value: 3950

Environmental

Operating temperature -20 ~ +60 °C

Storage temperature -40 ~ +80 °C

IP class IP 64

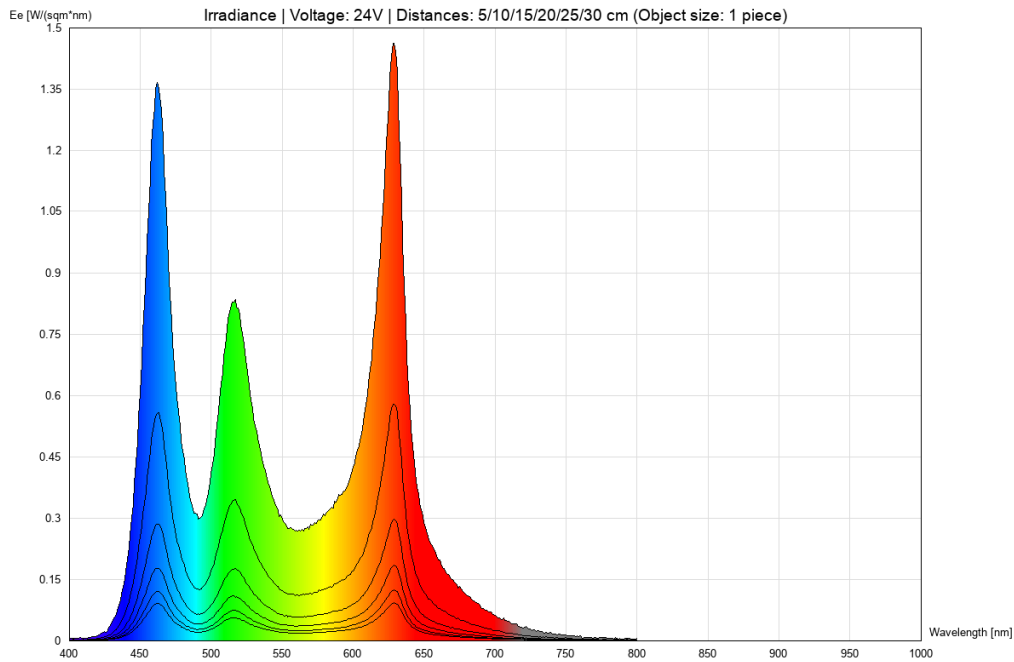
Directives - standards - certificates

Directives RoHS
 CE

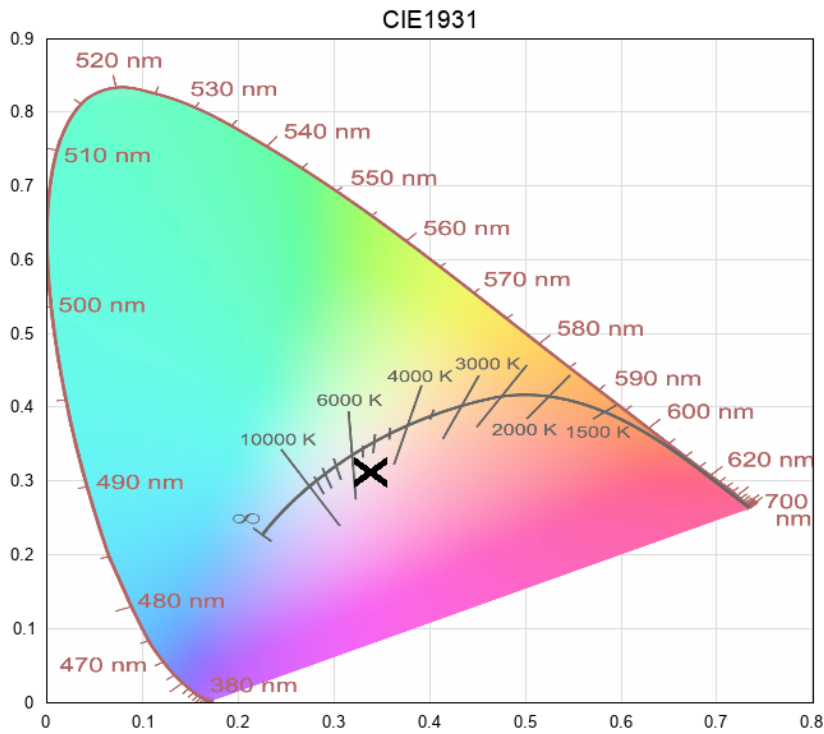
Safety standards EN60598-1
 EN62031
 IEC62471

Measurement results

irradiance - full-spectrum (24V)



cie1931



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