

Datasheet

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

LF-24-RGBW-24.2X16-POL

Version: 2025-07-11.2

Product description

The LuxaLight Industrial LED Fixture Polarised cover RGBW is characterized by a high durability and long life-time, even under harsh and demanding conditions. The PCB is made of aluminum and has a silicone coating (IP64) so that the LED engine can be used in a humid environment.

In combination with the **MaNima Pollux Industry**, it is possible to significantly increase the output of the LED Fixture. For more information about the MaNima System [click here](#).

The LuxaLight Industrial LED Fixture Polarised cover RGBW is a **modular product**, which setup can be configured. Go to: [LuxaLight industrial LED Fixtures](#) for more information.

Polarizer films are only available for transparent lenscaps in various degrees, such as: 30°, 60°, 90° and 120°. Polarizer films are available in horizontal and vertical variations.

For more information about LED solutions in the industry see: [Horticulture](#), [Machine Vision](#), [Curing](#), [Disinfection](#), [Signalling](#) en [Traffic Systems](#).

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

Illuminance (Lux) (Object size: 1 piece)	24V	
	5cm	34510 lx
10cm	14080 lx	
15cm	7229 lx	
20cm	4486 lx	
25cm	3023 lx	
30cm	2280 lx	

Total PPFD umol/m2 (PAR 400-700nm) (Object size: 1 piece)	24V	
	5cm	601.212 umol/m2
10cm	244.775 umol/m2	
15cm	125.704 umol/m2	
20cm	78.0229 umol/m2	
25cm	52.5608 umol/m2	
30cm	39.6553 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

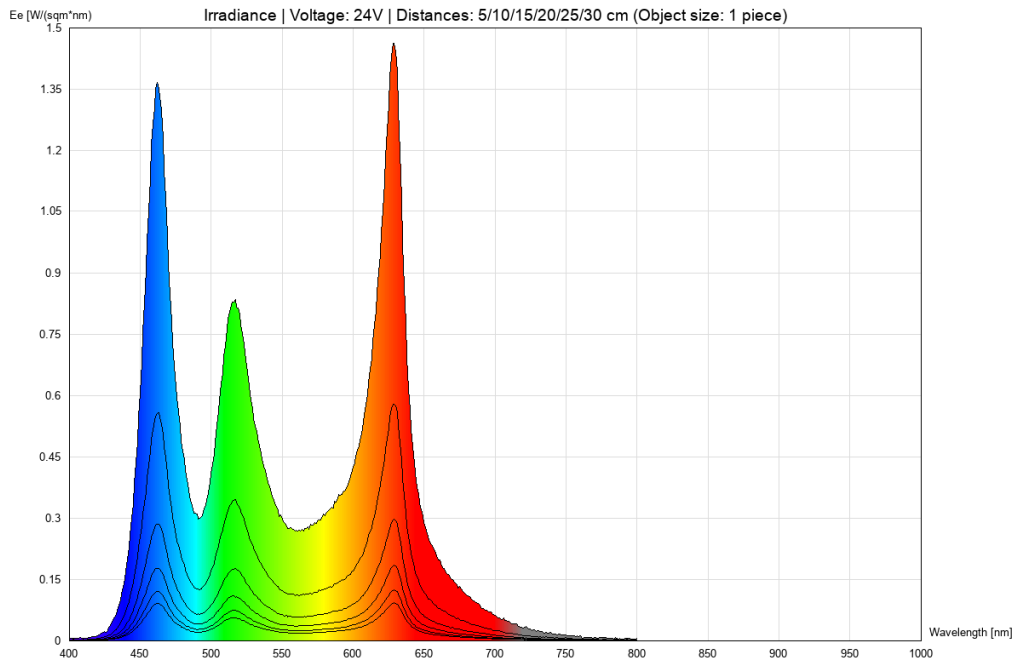
Directives - standards - certificates

Directives RoHS
CE

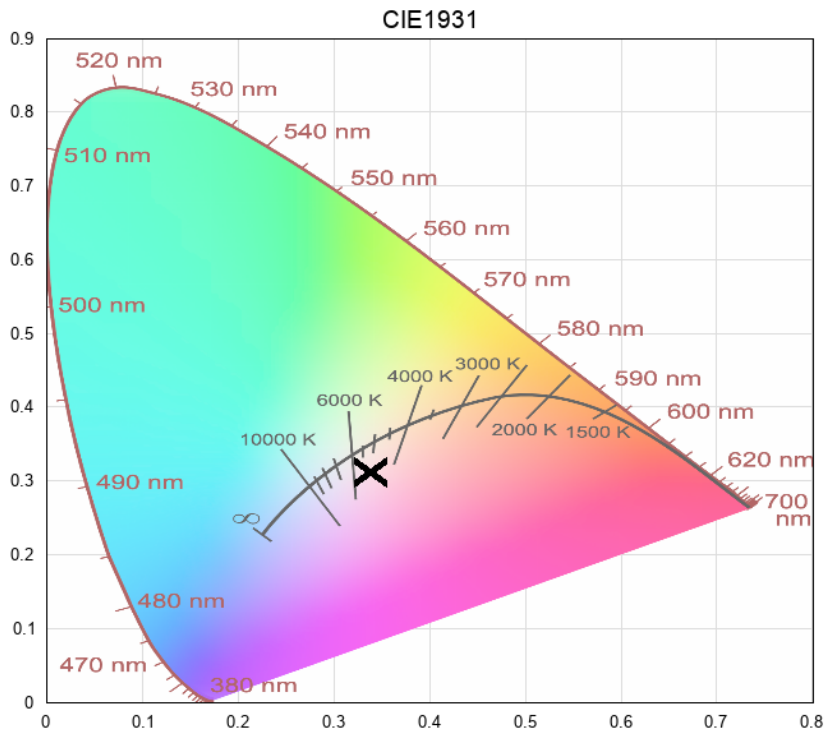
Safety standards EN60598-1
EN62031
IEC62471

Measurement results

irradiance - full-spectrum (24V)



cie1931



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