

Datasheet

LuxaLight Industrial LED Fixture Transparent IP68 RGBW 24.2x16mm (24 Volt, 5050, IP68)

LF-24-RGBW-24.2X16-PU

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Product description

The LuxaLight Industrial LED Fixture Transparent IP68 RGBW is characterized by a high durability and long life-time, even under harsh and demanding conditions.

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 Transparent IP68 RGBW is a **modular product**, which setup can be configured. Go to: **LuxaLight industrial LED Fixtures** for more information.

This fixture is moulded for a higher water resistance and mechanical protection.

For more information about LED solutions in the industry see: Horticulture, Machine Vision, Curing, Disinfection, Signalling and Traffic Systems.

Technical specifications

General

Brand	LuxaLight
Application	Horticulture
LED type	5050
Material	Aluminum
Dimensions	220 × 24,2 × 16 mm
Mounting	Surface mounted
Cover type	Polyurethane
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	40230 lx
	10cm	12830 lx
	15cm	6330 lx
	20cm	3831 lx
	25cm	2535 lx
	30cm	1893 lx

Total PPFD umol/m2 (PAR 400-700nm) (Object size: 1 piece)		24V
	5cm	711.955 umol/m2
	10cm	226.587 umol/m2
	15cm	111.481 umol/m2
	20cm	67.358 umol/m2
	25cm	44.6637 umol/m2
	30cm	33.3736 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
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 68

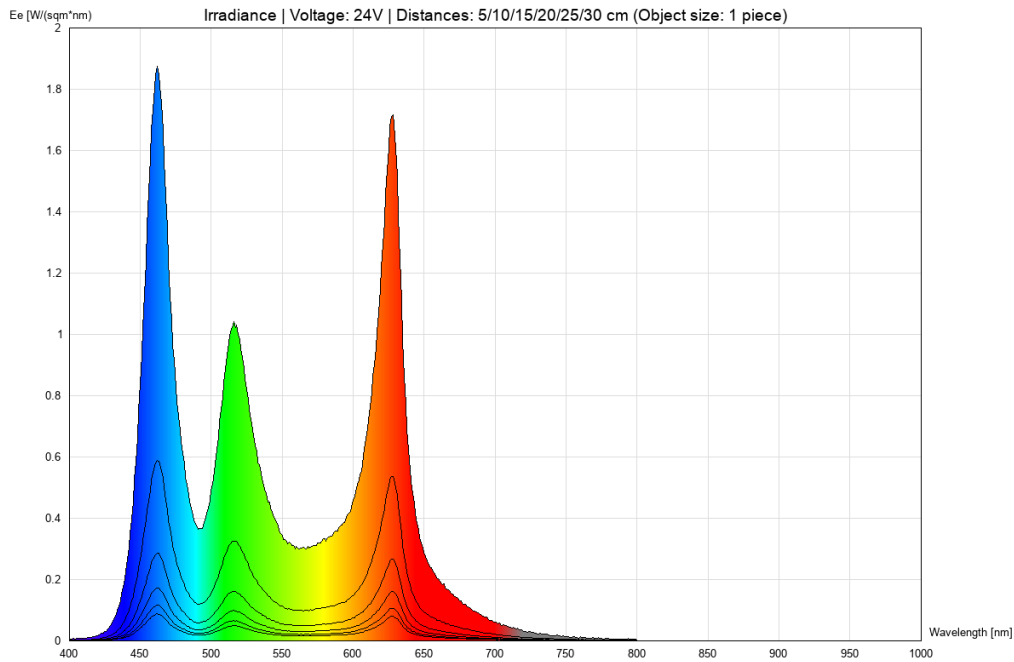
Directives - standards - certificates

Directives RoHS
CE

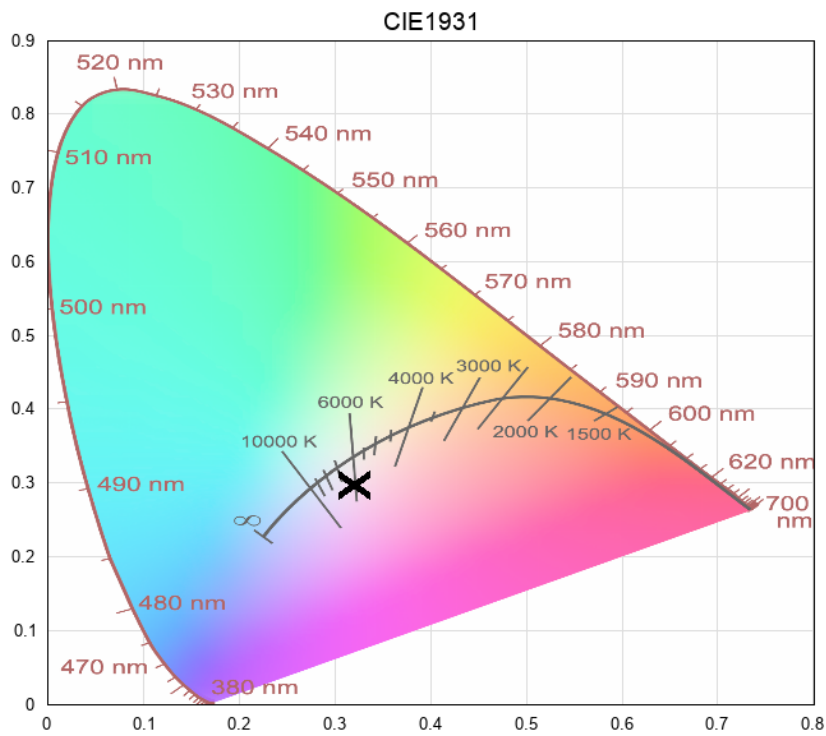
Safety standards EN60598-1
EN62031
IEC62471

Measurement results

irradiance - full-spectrum (24V)



cie1931



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