

Datasheet

LuxaLight Industrial LED Fixture Opaline Cover RGBW 24.2x16mm (24 Volt, 5050, IP64)

LF-24-RGBW-24.2X16-OC

Version: 2025-07-11.2

Product description

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

If a higher impact or water resistance is required, it is possible to have this product **moulded**. For more information about LED moulding, **[click here](#)**.

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 opal
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

Current per piece	0.40 A / piece													
Power consumption per piece	9.60 W / piece													
PCB material	Aluminium													
Pinout	<table><tr><th>Symbol</th><th>Function</th></tr><tr><td>V+</td><td>V+</td></tr><tr><td>R</td><td>Red channel</td></tr><tr><td>G</td><td>Green channel</td></tr><tr><td>B</td><td>Blue channel</td></tr><tr><td>W</td><td>White channel</td></tr></table>		Symbol	Function	V+	V+	R	Red channel	G	Green channel	B	Blue channel	W	White channel
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Environmental

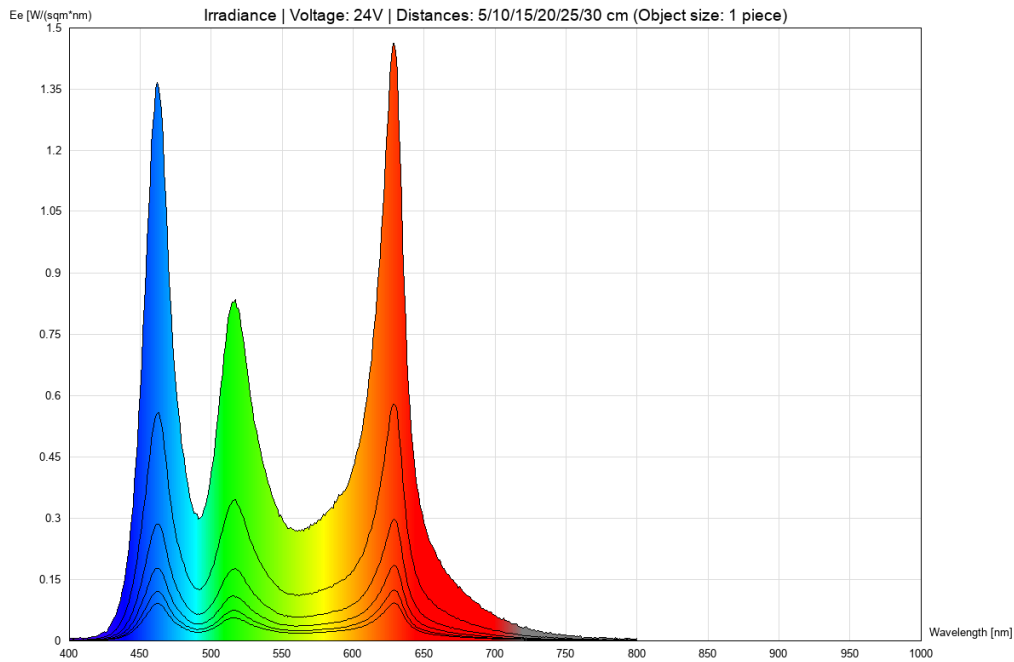
Operating temperature	-20 ~ +60 °C
Storage temperature	-40 ~ +80 °C
IP class	IP 64

Directives - standards - certificates

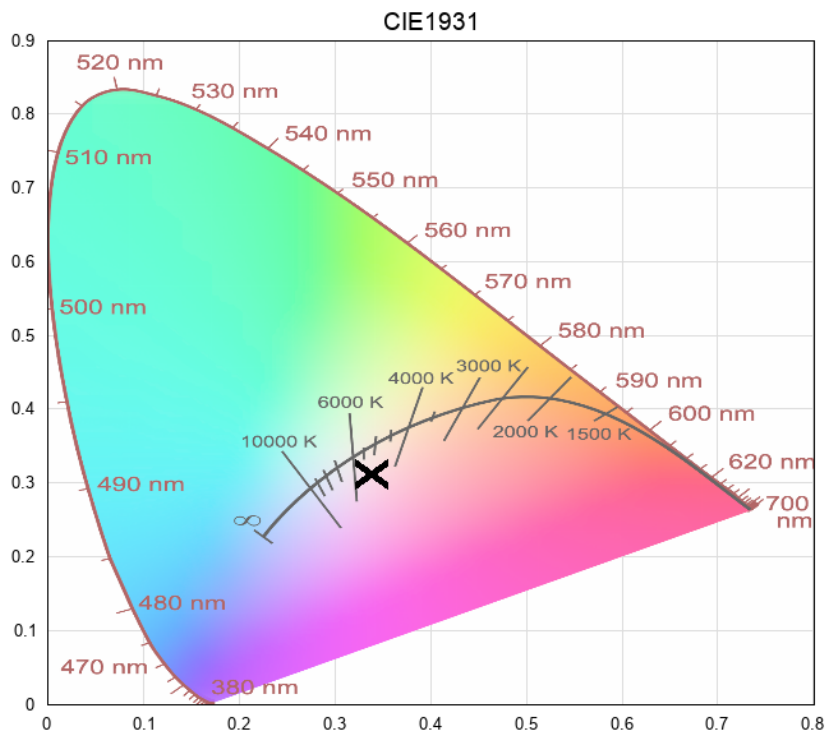
Directives	RoHS CE
Safety standards	EN60598-1 EN62031 IEC62471

Measurement results

irradiance - full-spectrum (24V)



cie1931



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