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LuxaLight COB LED-strip Red Protected (24 Volt, 512 LEDs, COB, IP64)

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Datasheet

LuxaLight COB LED-strip Red Protected (24 Volt, 512 LEDs, COB, IP64)

LS24RXCOBXPLX

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Product description

The LuxaLight Professional COB LED Strip is a high-quality lighting solution, ideal for use in various indoor and outdoor environments. This strip is designed with a silicone coating and has an IP64 certification, meaning it is dust and splash resistant, making it suitable for a wide range of applications. The strip utilizes advanced COB LED technology and offers red light with a wavelength of 625nm, providing a unique color output and visual impact. These features make the LED strip perfect for applications where color lighting is required, such as special lighting setups, creative projects, and more.

Key Features:

- **Red light with a wavelength of 625nm:** The red light with a wavelength of 625nm provides intense, warm red illumination, ideal for applications where a striking visual impact and color rendering are needed.
- **Silicone Coating and IP64 Certification:** The strip is encased in a robust silicone coating and is IP64 certified, providing protection against dust and splash water. This makes the strip suitable for use in environments where it may be exposed to light water droplets, such as kitchens, bathrooms, or outdoor spaces not directly exposed to rain.
- **COB LED Technology:** Instead of traditional individual LEDs, this strip uses COB (Chip-on-Board) LED technology, ensuring uniform light distribution without visible hotspots. This results in a more consistent and efficient lighting solution.
- **Use of 3M 4905 VHB Tape:** The strip is equipped with 3M 4905 VHB tape, ensuring a strong and reliable attachment to various surfaces.

Applications:

- **Special Lighting Applications:** The warm red light with a wavelength of 625nm is perfect for applications where a unique visual impact and color accents are needed, such as showrooms, events, and exhibitions.
- **Retail and Window Displays:** The red light creates a striking presentation of products in stores and window displays, enhancing the atmosphere with an interesting and dynamic effect.
- **Creative and Artistic Projects:** The red light is ideal for creative and artistic lighting setups, where the lighting supports an artistic ambiance.
- **Outdoor Spaces (not directly exposed to rain):** The IP64 certification makes this LED strip splash resistant and suitable for use in outdoor environments such as gardens and patios that are not directly exposed to rain.
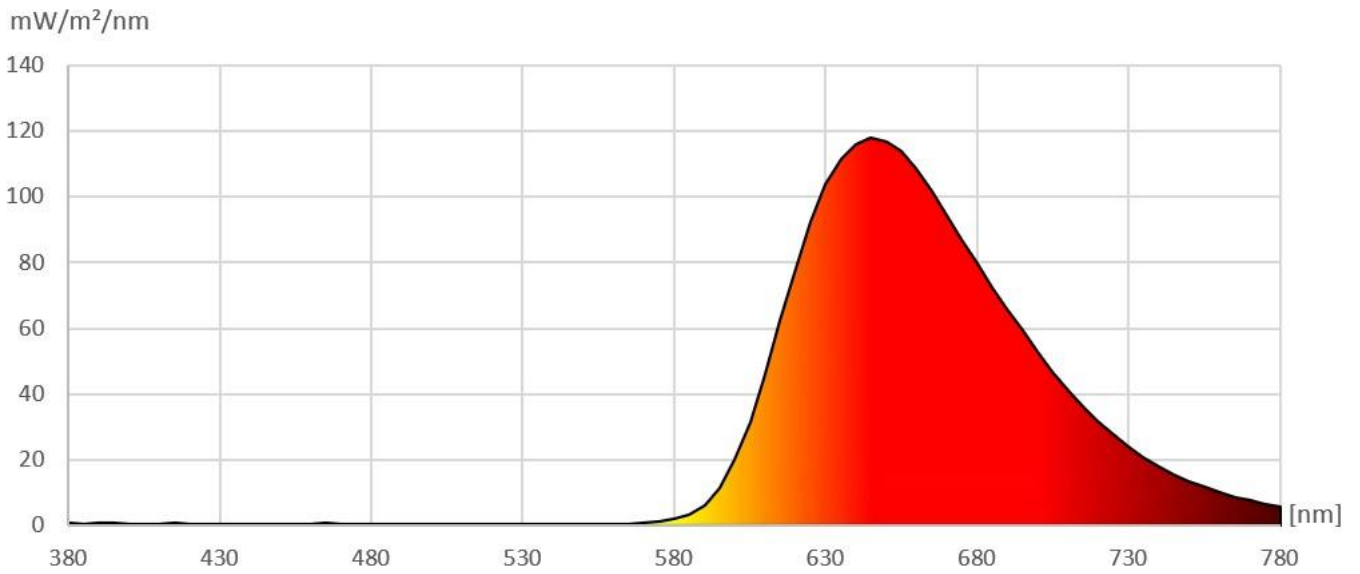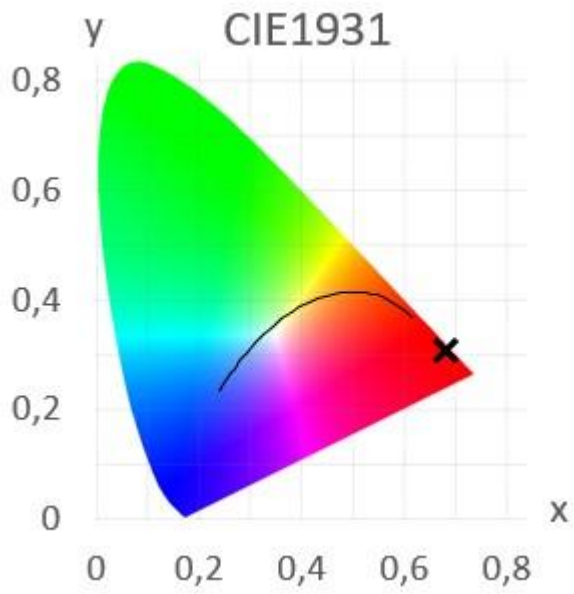
Advantages:

- **Intense Red Light:** The 625nm red light creates intense, warm lighting that adds visual interest and dynamics to any space.
- **Flexible and Customizable:** Thanks to its flexible design, the strip can easily be integrated into various lighting setups and fixtures, making it a versatile solution for a wide range of applications.
- **Uniform Light Distribution:** COB LED technology ensures consistent and even light distribution, providing pleasant and comfortable lighting without harsh shadows or hotspots.
- **Reliable Performance:** The LED strip operates on a standard 24V power supply and offers efficient, stable performance, making it ideal for long-term use in both residential and commercial environments.
- **Durable and Energy-Efficient:** LED technology is energy-efficient, meaning the strip is not only cost-effective but also contributes to a more sustainable lighting solution.
- **Strong Adhesion:** The 3M 4905 VHB tape provides reliable adhesion for easy and durable installation on various surfaces.

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Technical specifications

General	
Brand	LuxaLight
LEDs / meter	512
LED type	COB
Length per reel	10 m
Length per segment	50 mm
LED strip width	10.00 mm
LED strip thickness	4.00 mm
PCB color	White
Mantle material	Silicon
Warranty	5 years
Lifetime	70000 hours

Lighting	
Luminous Flux	180 lm
Wave length	620~630 nm
BIN	3 SDCM
Beam angle	120 °
LB waarde	L80B10

Electronics	
Working voltage	24V
Current / meter	0.63 A / meter
Power consumption per meter	15.00 W / meter
PCB material	Copper

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

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Measurement results

mW/m²/nm