Datasheet

LuxaLight LED-strip RGB Indoor (30 Volt, 60 LEDs, 5050, IP20)

LS30RGB60X5050ILX

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Product description

The LuxaLight Professional RGB LED Strip is designed for lighting applications where high color rendering and dynamic color effects are required. This strip contains 6**0 RGB 5050 LEDs per meter**, providing high light density and even coverage for optimal performance. The strip offers excellent light quality, ideal for applications where precise color rendering and true-to-life color accuracy are essential, with the added flexibility of adjustable RGB color settings.

This RGB LED strip is designed for use in trucks and vehicles, where **the supply voltage is often higher than 24V**. It is specifically designed for a **30V connection**, making it ideal for use in trucks without the risk of overloading the system. The strip is also equipped with **3M 4905 VHB tape**, ensuring strong and reliable adhesion to various surfaces, making it ideal for permanent installations. Additionally, the strip has an **IP20 certification**, meaning it is protected against dust but not against water. This makes it best suited for indoor use and environments where water exposure is minimal.

Key Features:

- **60 RGB 5050 LEDs per Meter**: The strip contains 6**0 RGB 5050 LEDs per meter**, providing excellent brightness and dynamic color rendering for various lighting applications.
- **Light Output RGB LEDs**: The RGB LEDs provide full-color capabilities, making it ideal for creating customizable lighting effects and ambiance in various applications.
- **IP20 Certification**: The strip has an **IP20 certification**, meaning it is dust-protected but not water-resistant. Ideal for indoor use and environments where moisture exposure is limited, such as truck interiors.
- **30V Connection**: The professional RGB LED strip works on a **30V power supply**, ensuring stable and reliable operation, especially suitable for trucks and vehicles, where the supply voltage is often higher than 24V.
- **Flexible Design**: The flexible design makes the LED strip **perfect for interior applications**, such as truck interior lighting, custom lighting systems, and other flexible lighting installations.
- **3M 4905 VHB Tape**: The strip is equipped with **3M 4905 VHB tape**, ensuring strong and durable attachment to various surfaces.

Applications:

- **Truck Interiors**: Perfect for illuminating the interior of trucks, such as cabin lighting, storage compartments, beds, and workspaces in trucks, where functional and stylish lighting is desired.
- **Truck Upholstery**: Ideal for lighting upholstered surfaces such as seats, couches, floors, and ceilings in trucks. These LED strips can create a cozy and well-lit interior experience for drivers.
- **Sleeping and Sitting Areas in Trucks**: Suitable for illuminating sleeping and sitting areas in trucks, providing comfortable lighting in these spaces.
- **Work Space Lighting**: Can be used to light up workspaces and storage areas in trucks, so drivers can easily see what is needed while driving or parking.
- **Dashboard and Control Panel Lighting**: Can be applied to highlight dashboards and control panels, making it easier to operate vehicles under different lighting conditions.
- **Main Curtain and Door Lighting**: Suitable for illuminating curtains, doors, and other key interior components of trucks, where visibility is essential.
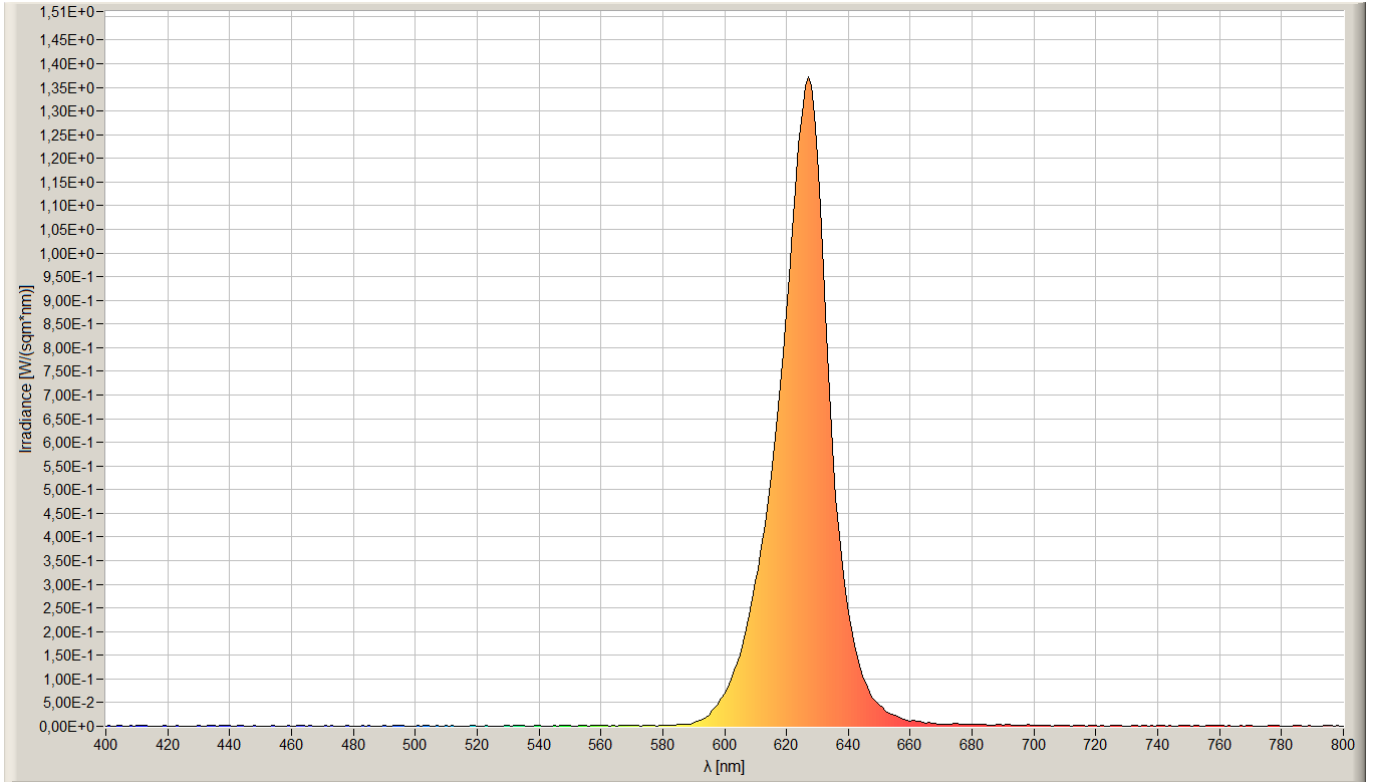
Benefits:

- **Dynamic RGB Color Options**: The 6**0 RGB 5050 LEDs per meter** provide full-color capabilities, ideal for creating customizable lighting effects and ambiance.
- **Flexible and Customizable**: Thanks to its flexible design, the strip can be easily integrated into various lighting setups and is **perfect for interior applications** such as in trucks or custom systems.
- **Uniform Light Distribution**: The strip provides consistent and even light distribution, ensuring pleasant lighting without harsh shadows.
- **Reliable Performance**: The RGB LED strip works on a **30V power supply** and provides efficient, stable performance, making it an ideal choice for long-term use in trucks and vehicles.
- **Durable and Energy-Efficient**: RGB LED technology is energy-efficient, making the strip not only cost-effective but also contributing to a more sustainable lighting solution.
- **Strong Adhesion**: The **3M 4905 VHB tape** provides reliable adhesion for easy and durable installation on various surfaces.
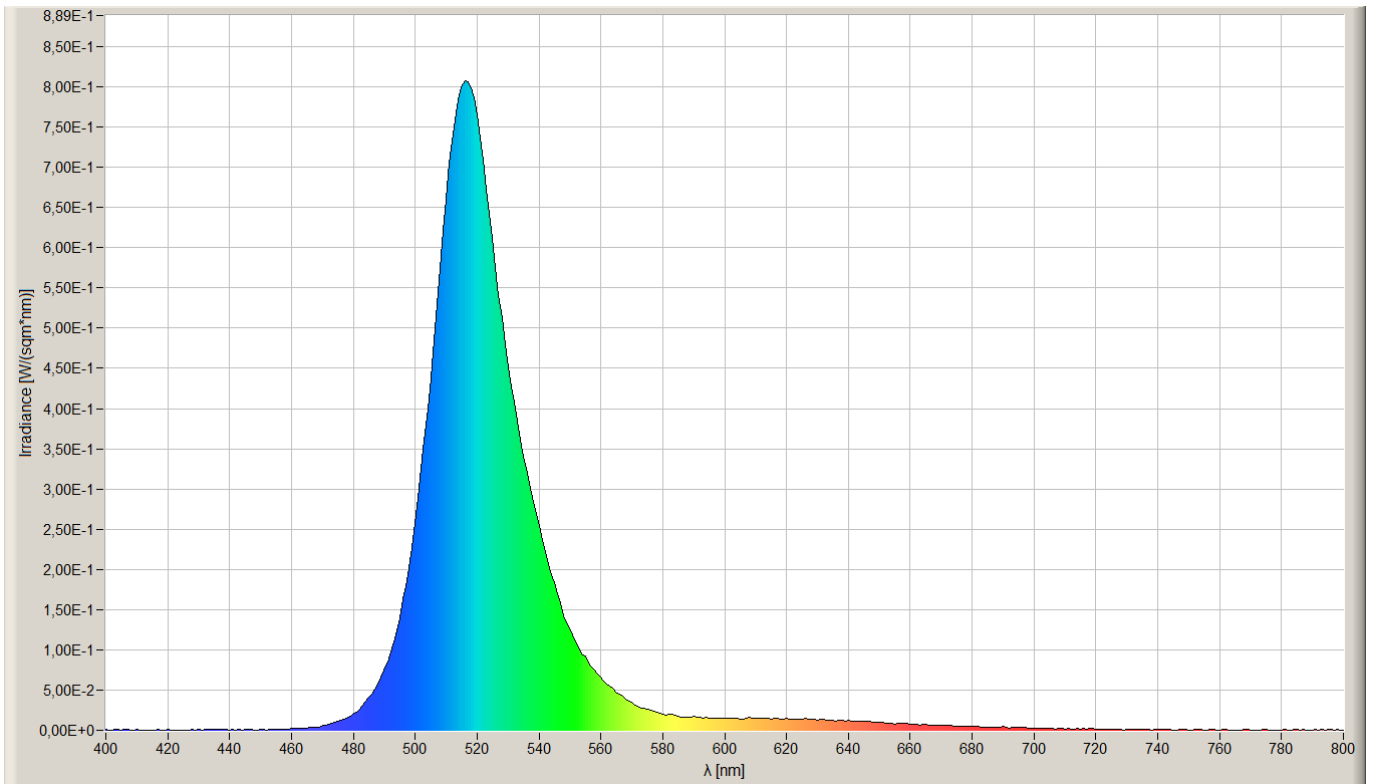
Technical specifications

General	
Brand	LuxaLight
LEDs / meter	60
LED type	5050
Length per reel	10 m
Length per segment	100 mm
LED strip width	10.00 mm
LED strip thickness	3.00 mm
PCB color	White
Warranty	5 years
Lifetime	70000 hours

Lighting	
Luminous Flux	675 lm
Luminous flux red	200 lm
Luminous flux green	290 lm
Luminous flux blue	185 lm
Wave length Red	620~630 nm
Wave length Green	510~525 nm
Wave length Blue	455~470 nm
BIN	3 SDCM
Beam angle	120 °
LB waarde	L80B50

Electronics	
Working voltage	30V
Current / meter	0.60 A / meter
Power consumption per meter	14.40 W / meter
PCB material	Copper

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

Directives - standards - certificates	
Directives	RoHS CE
Safety standards	EN60598-1 EN62031 IEC62471

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Measurement results

Wavelength Red

Wavelength Green

Wavelength Blue

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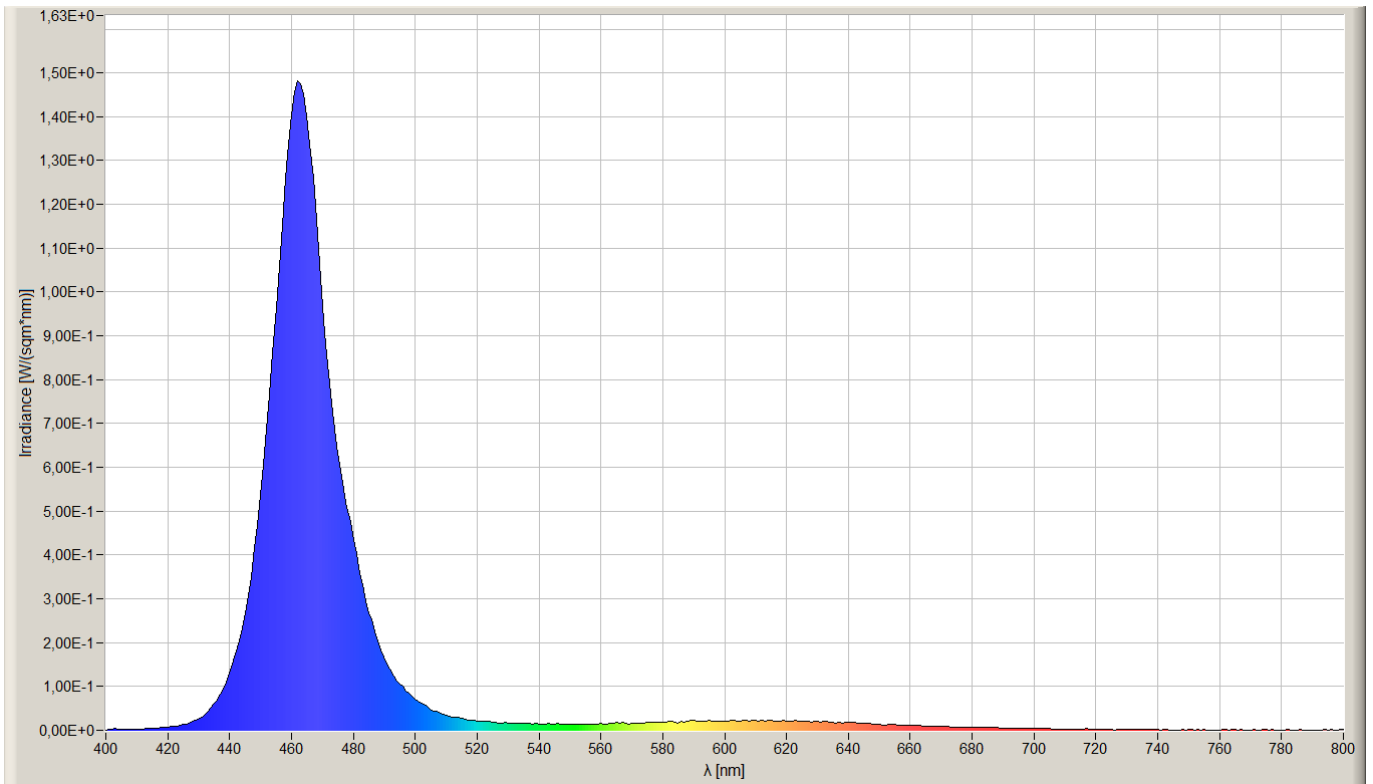
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