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LuxaLight LED-strip Blue Indoor (30 Volt, 120 LEDs, 3528, IP20)

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Datasheet

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Product description

The LuxaLight Professional LED Strip is designed for lighting applications where a cool, pleasant light temperature is required. This strip contains 120 blue 3528 LEDs per meter, providing high light density and even coverage for optimal performance. The strip offers excellent light quality, ideal for applications where precise and consistent lighting is essential.

This 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.

Key Features:

- **120 Blue 3528 LEDs per Meter:** The strip contains 120 blue 3528 LEDs per meter, providing excellent brightness for applications requiring blue lighting.
- **Light Output Blue LEDs:** The blue LEDs provide 300 lumens per meter, making the strip suitable for interior lighting applications where visibility and brightness are essential.
- **IP20 Certification:** The strip has an IP20 certification, meaning it is not waterproof and is primarily suitable for use in dry indoor environments.
- **30V Connection:** The professional 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:** Ideal 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:** Perfect 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.
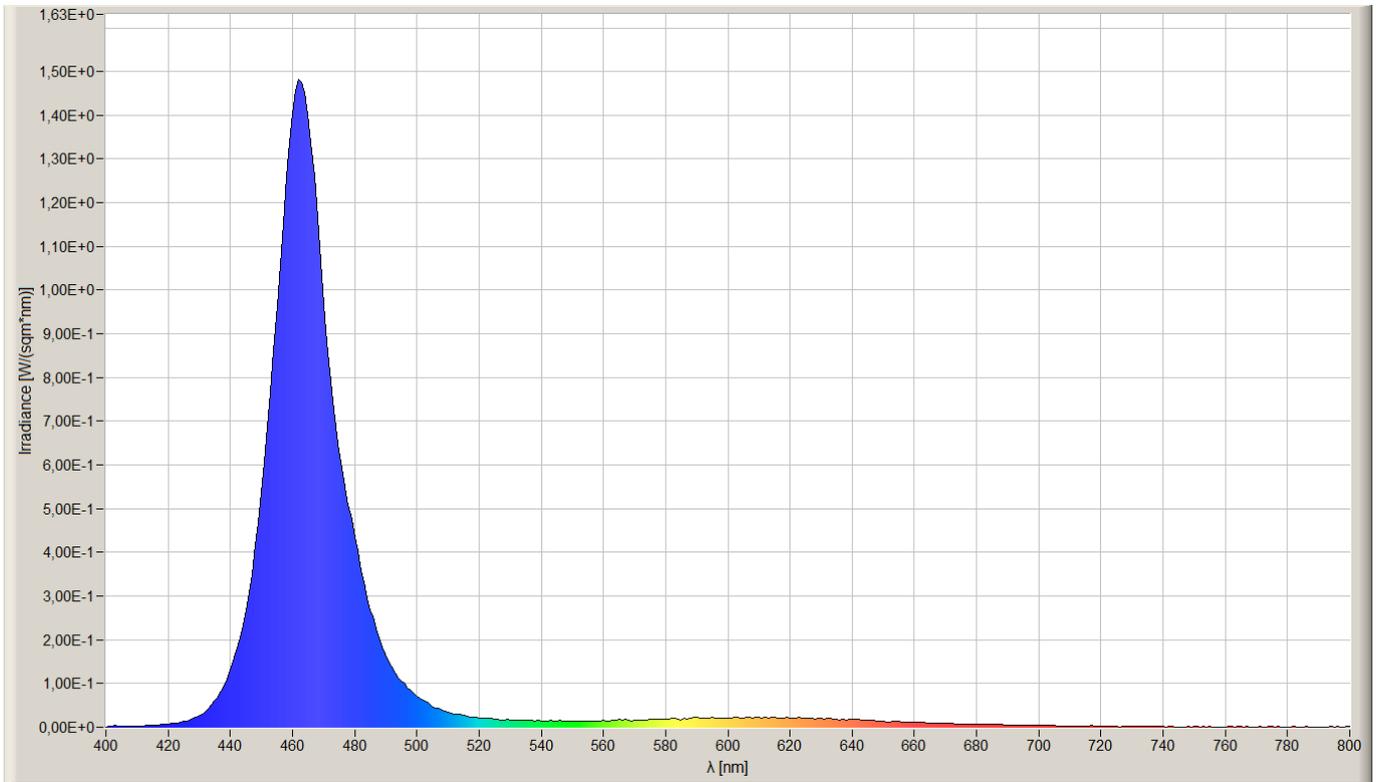
Benefits:

- **Excellent Brightness:** The 120 blue 3528 LEDs per meter provide bright blue lighting, perfect for creating a well-lit truck interior.
- **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 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:** 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	120
LED type	3528
Length per reel	10 m
Length per segment	50 mm
LED strip width	8.00 mm
LED strip thickness	3.00 mm
PCB color	White
Warranty	5 years
Lifetime	50000 hours

Lighting	
Luminous Flux	220 lm
Wave length	455~470 nm
BIN	3 SDCM
Beam angle	120 °
LB waarde	L80B50

Electronics	
Working voltage	30V
Current / meter	0.40 A / meter
Power consumption per meter	12.00 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

Measurement results

Wavelength

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