



**LED's** do it!

LED STRIPES

2024 / 2025



## LED-STRIPES for the caravan sector

Sanube GmbH offers high-quality LED-Stripes for interior and exterior lighting as well as contour lighting for caravans. Our LED-Stripes are characterised by their energy efficiency, durability and our consistent quality standards.

With state-of-the-art 3D processing technology and years of experience, our in-house electronics department ensures that every LED solution is perfectly customised to our customers' needs.

We offer robust and weather-resistant LED solutions for the exterior lighting of caravans. Our LED-Stripes are known for their high quality and reliability and are produced exclusively in Europe.



### Customised solutions: Customised lighting

We see ourselves as an external development office for our customers. True to the motto 'There's no such thing as impossible!', we develop customised lighting solutions in close cooperation with our customers, from the initial idea to series production.

We offer comprehensive service and the highest quality to meet the specific requirements of each project.

## LED-STRIPES for the trailer sector

Our LED-Stripes are robust, extremely flexible and therefore easy to install. They are versatile as lighting and perfect for trailers of all kinds.

With a height of 2.5 mm, the stripes are hardly noticeable and can be concealed in profiles, for example. Sanube LED-Stripes are equipped with ultra-bright SMD LEDs. The stripes are fully covered with adhesive tape on the back. This makes installation extremely easy. The protective stripe of the adhesive tape is simply peeled off and the stripes are stuck on. Low energy consumption, long service life and compact design are just some of the advantages over other light sources.

With additional products such as switches, sensors and cabling, we offer comprehensive complete solutions.



### SML LED-STRIPES as side marker lights

Discover the latest innovation by Sanube: **the SML LED Stripe**

This LED-Stripe is a side marker light (SML) and can be used flexibly in lengths from 0.5m to 15m. The SML-Stripe completely replaces conventional individual side marker lights and offers the following advantages.

- **Simple installation:** The complex wiring of individual lights is completely eliminated. A single connection from the front or rear is sufficient.
- **Unique lighting experience:** With 12 bright LEDs per metre, SML-Stripes provide uniform and impressive lighting for your trailer.

Improve the safety and design of your vehicles with **SML-Stripe von Sanube.**



## SANUBE - LED'S DO IT

Sanube is known for its innovative strength and customised solutions, which are developed in close cooperation with customers.

### Close to the customer

We attach great importance to partnership-based relationships and highest quality. The recent expansion of our production facilities and awards such as the 'Best Supplier Award' from the KRONE Group, Agco and Kverneland, underline our success and reliability.

### Quality - 100% made in Europe

Based on our technical expertise and continuous further developments, we have been able to constantly expand our range of services. Today, we are the reliable partner for LED-Stripes and lighting systems for towed vehicles. Our production takes place exclusively in Europe, with 120 dedicated employees ensuring consistently high quality.

### Our main site

The main site of our company is located in the north of Austria, more precisely in the district of Schärding, close to the border with Passau (Germany).

On an area of around 5,000 square metres, which includes office, warehouse and production areas, we produce our high-quality stripes using state-of-the-art machinery and specially trained staff. All product development also takes place here.



## 100% Made in Europe

We focus on the highest quality by maintaining all of our production in Europe, thus ensuring high production standards and short transport routes.



### 100% control

We produce high-quality LED-Stripes using optimised manufacturing processes. These are automatically tested, using the latest technology.



### TOP advice

We are happy to assist you with details such as:

- Light colour
- Luminous intensity
- IP protection class
- Connection cable
- Lighting design
- Special solutions



### Flexible production solutions

We cater to your wishes! Thanks to our in-house development and production, we tailor our services to your requests.



### LED light colours

We offer a wide range of different light colours. Light colour changes when encapsulated. However, we compensate for any colour changes during production - for the best quality!

Standard colours are:

- Warm white: 3000 K
- Cold white: 7000 K
- RGB



### LED-Stripe length

The maximum length of the LED-Stripes depends on the power consumption.

Generally, we are able to cast LED-Stripes up to a length of 15 metres without gaps.

### LED-Stripe width

We offer a variety of different widths of our LED-Stripes.

Standard options are:

- 5 mm
- 8 mm
- 10 mm
- 12 mm

**12 VOLT** **24 VOLT**

We can manufacture LED-Stripes in either 12V or 24V.



# LED-Stripe Configurations

## Top View

Top View LED-Stripes direct their luminosity upwards.

## Side View

Side View LED-Stripes have their LEDs mounted at the top of the stripe, but emit light sideways.

## Number and brightness of the LEDs

Not only the number of LEDs is important for the brightness, the LEDs can also be loaded differently, making them either brighter or darker. Let us know your desired brightness and we will check which LEDs are most suitable for you.

### Standard options are:

- 12 LEDs per metre
- 30 LEDs per metre
- 60 LEDs per metre
- 120 LEDs per metre



Luminous flux is the total light output emitted by a light source, measured in lumens



## Connection cables

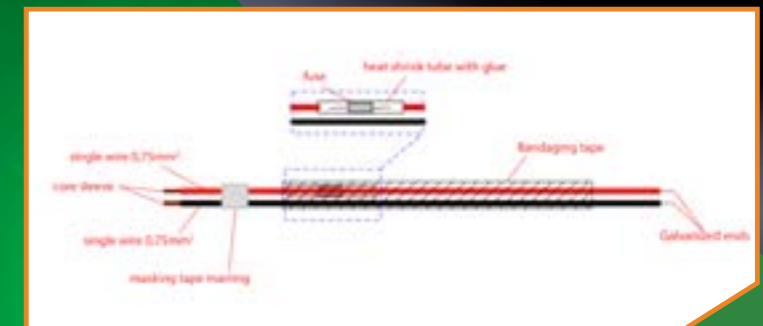
We have been manufacturing high-quality cable sets in our factory in Hungary for many years. This allows us maximum flexibility in our operations.

For example, we provide:

- Single core or sheathed cables
- Lengths according to customer requirements
- Options with or without integrated fuse
- Taping of several individual cores
- Connectors such as Superseal, HDSCS or our Mini-Connector, which are usually always in stock

## Finish

In addition to standard encapsulation, there are other ways to refine the LED-Stripes. For example, we offer encapsulation in neon tubes or PVC profiles.



# LED-STRIPES Protection classes

## GENERAL CHARACTERISTICS

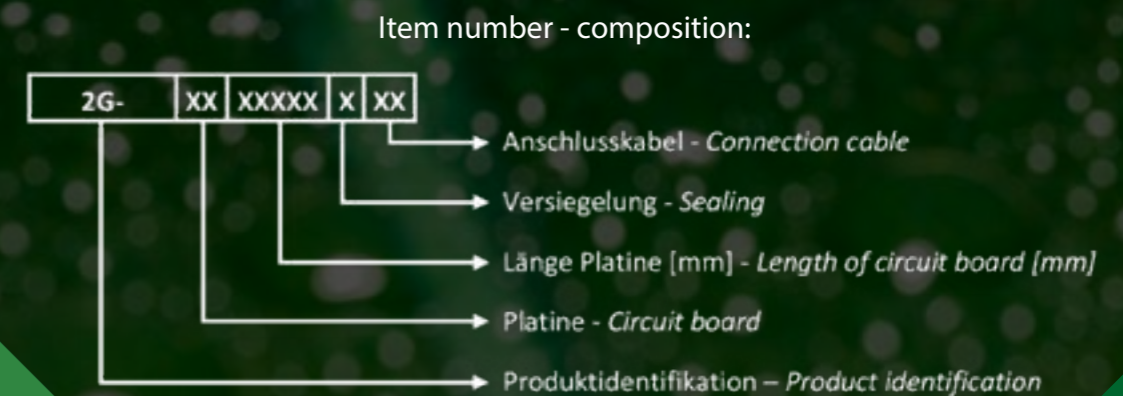
- Volt: 12/24V
- Lumen: 210 bis 840 lm/m
- Brightness tolerance: 11 %
- Watt: 1,92 bis 7,68 W/m
- Customised length of connection cable and connector
- Long service life
- MADE IN EUROPE

## PROTECTION CLASS IP20

- Kelvin: 2400 bis 5700 K
- Guaranteed colour tolerance: 4 %
- Suitable for indoor use

## PROTECTION CLASS IP65

- Kelvin: 3090 bis 6500 K
- Guaranteed colour tolerance: 6 %
- Suitable for indoor and outdoor use
- Dustproof
- Protection against accidental contact
- Protected against water jets



## PROTECTION CLASS IP67

- Kelvin: 2400 bis 5700 K
- Guaranteed colour tolerance: : 4 %
- Suitable for indoor and outdoor use
- Dustproof
- Protection against accidental contact
- Temporary submersion up to max. 1 m water depth
- EMV-R10 tested

## PROTECTION CLASS IP6K9K

- Kelvin: 3090 bis 6500 K
- Guaranteed colour tolerance: 6 %
- Suitable for indoor and outdoor use
- Dustproof
- Protected against high-pressure cleaning
- 100 % waterproof
- EMV-R10 tested
- ADR tested according to ECE/R105









More information:



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**Telephone number**

+43 7766 20500-0

**Web & Email**

[www.sanube.at](http://www.sanube.at)  
[office@sanube.at](mailto:office@sanube.at)

**Address**

SANUBE GmbH  
Hartwagen 12  
4776 Diersbach  
AUSTRIA