

# LED-STRIPES INSTALLATION EXAMPLES



Sanube LED-Stripes as indirect lighting for caravans





## 100% control

We produce high quality goods through optimized manufacturing processes.

All LED-Stripes are 100% automatically checked using the latest technology.

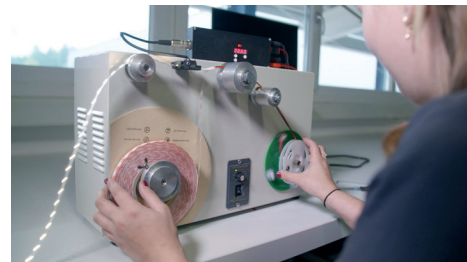


## Varied production

We respond to your wishes -  
Through in-house development and production we are the right partner for custom requests.

## 100% made in Europe

In our factory in Austria we produce LED-Stripes according to our customer requirements.



## TOP advice

We would be happy to support you with design details such as

- light colour
- light intensity
- IP protection class
- connection lead





## 1. Voltage supply

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

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

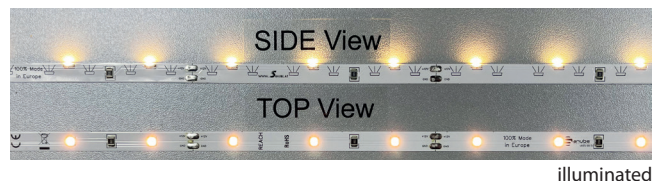
## 2. Right LED-Stripe version

### Top View

Top View is the name given to LED-Stripes whose luminosity is directed upwards.

### Side View

Side View is the name given to LED-Stripes whose LEDs are mounted at the top of the LED-Stripe, as in Top View, but whose luminosity is directed to the side.



## 3. LED light colour



We offer a wide range of different light colours.

It is important to know that the colour of the light changes if it is cast.

However, we compensate for any colour change during production - for the best quality!

The standard here is:

- warm white: 3000 K
- cold white: 7000 K
- RGBW

## 4. Number and brightness of the LEDs

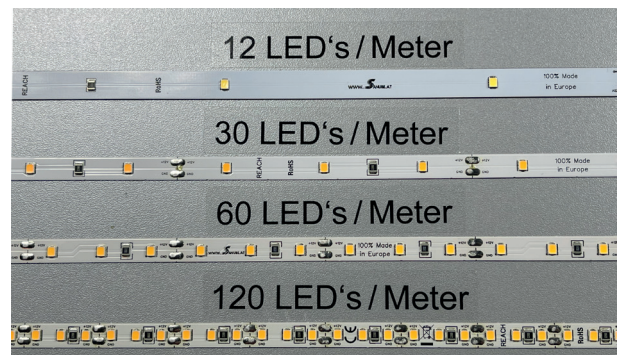
Not only is the number of LEDs important for the brightness, the LEDs can also be loaded differently. This makes them either brighter or darker. Let us know your desired brightness. We will check which LEDs are best suited for you.

The standard here is:

- 12 LEDs per meter
- 30 LEDs per meter
- 60 LEDs per meter
- 120 LEDs per meter



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

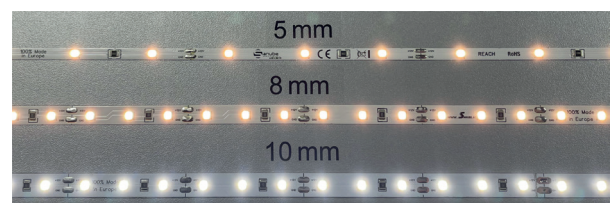


## 5. Width of the LED-Stripe

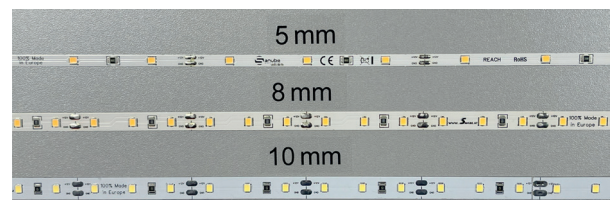
We can realise different widths of LED-Stripes.

The standard here is:

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



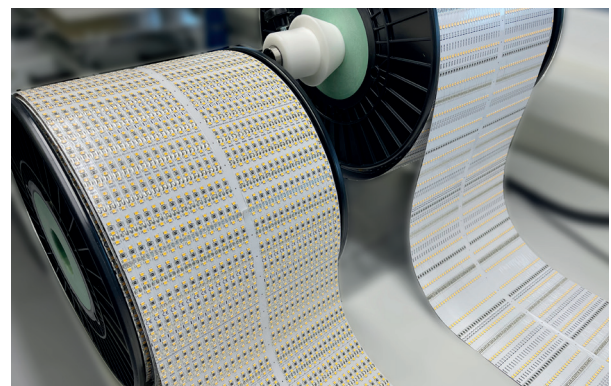
illuminated



not illuminated

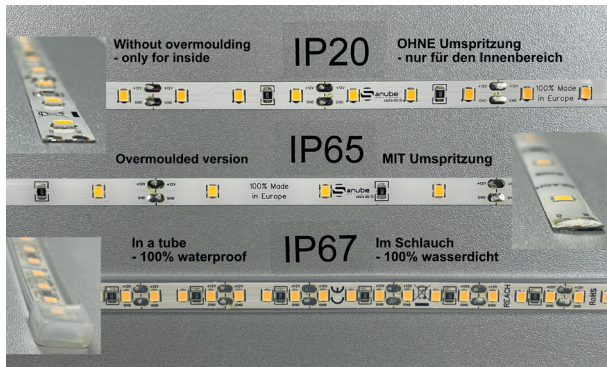
## 6. Length of the LED-Stripes

The maximum length of the LED-Stripes depends on the current the power consumption of your desired LED-Stripes. In principle, we are able to cast LED-Stripes of up to a length of 15m without gaps.





## 7. Different ingress protection classes

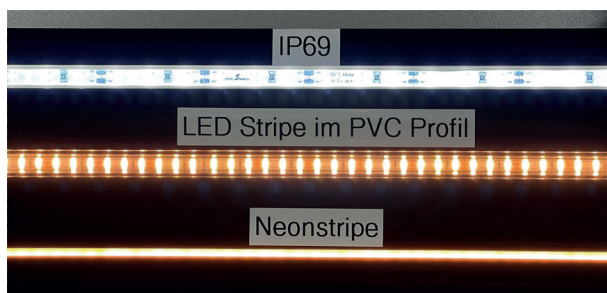


Depending on the intended use, it may be necessary to protect the LED-Stripes from dust and water.

There are several options available to you for this purpose:

- IP20
- IP65
- IP67
- IP69

## 8. Finishing



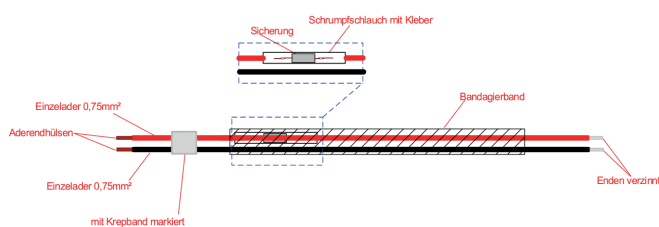
illuminated



not illuminated

In addition to encapsulation, there are other options for finishing the LED-Stripes. As a finishing option, we also offer a version in a neon tube and in a PVC profile.

## 9. Connection cable



We have been manufacturing high-quality cable harnesses in our factory in Hungary for years. This also allows us a maximum degree of flexibility. For example:

- Single cores or sheathed cable
- Lengths according to customer requirements
- With or without integrated fuse
- Taping of several single cores
- Connectors such as Superseal, HDSCS or our Mini-Connector are usually in stock

**WE ARE LOOKING FORWARD TO YOUR REQUEST!**



Interior lighting with SanuBright LED-Stripes



Normal interior lighting

**SanuBright LED-Stripes** are extremely flexible and easy to mount. They are perfect for container vehicles including all types of refrigerated vehicles.

**SanuBright LED Stripes** are extremely low profile (2.5mm). The stripes are hardly visible and can be mounted in an aluminium profile.

**For example:**

3 rows with 7 m = **6048 lm**



The Stripes are provided on the back with a 3M tape. Thus, the installation is very simple.

The low energy consumption, a long lifetime and a compact design are just some of the advantages against other lighting products.

**Technical information:**

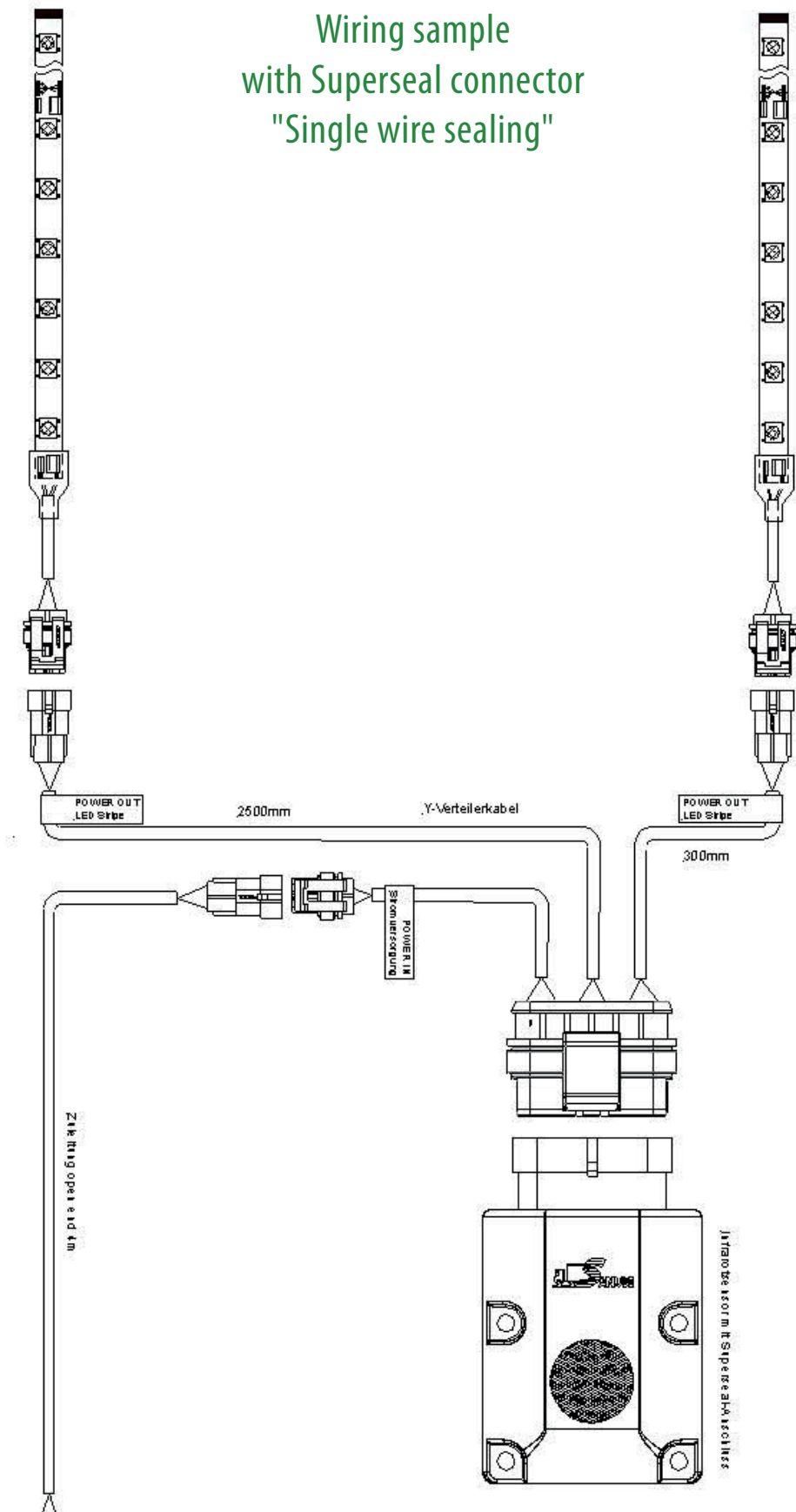
- LED-Version: SMD
- Beam angle: 120°
- Water resistance: IP65
- Luminous intensity: 360lm per meter
- Colour: white
- Temperature range: -40° till +85°
- Width: 10,2 mm
- Height: 2,5 mm
- 12 LEDs per meter
- 12V or 24V
- Different lengths

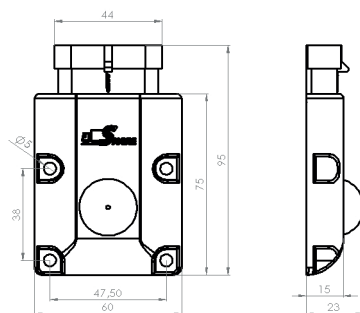




## INTERIOR LIGHTS LED-STRIPES CONTAINER VEHICLES

Wiring sample  
with Superseal connector  
"Single wire sealing"





12/24  
VOLT

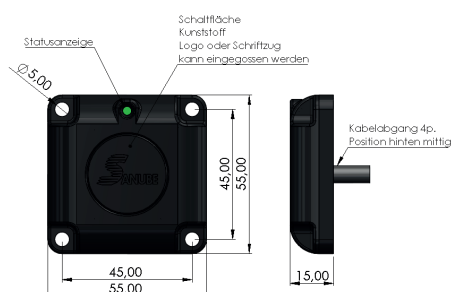


## Infrared-sensor 3

- Version: 12/24V
- Superseal 6-pin
- Waterproof potted electronics
- Coverage area:  
360° horizontal  
110° vertical
- Maximum distance: 7m
- Switches only with movement  
+ body heat

Art.Nr.

X5027030-020



12/24  
VOLT



## Switch

- Version: 12/24V
- Use: CONSTRUCTION
- Cable outlet to the rear
- Connection 2-pin Superseal male/female
- Consumers up to 5A
- Waterproofed electronics
- Piezzo switch
- Also switchable with gloves
- Extremely flat (15 mm)

Art.Nr.

X5027030-041

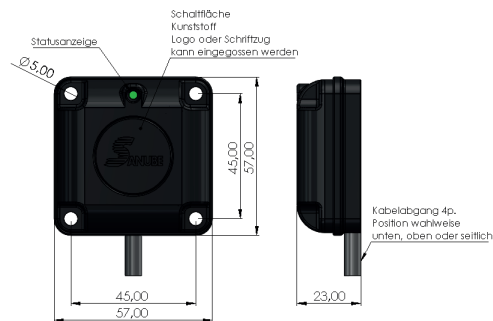


## Switch

- Version: 12/24V
- Use: CONSTRUCTION
- Cable outlet down
- Connection 2-pin Superseal male/female
- Consumers up to 5A
- Waterproofed electronics
- Piezzo switch
- Also switchable with gloves

Art.Nr.

X5027030-061



12/24  
VOLT

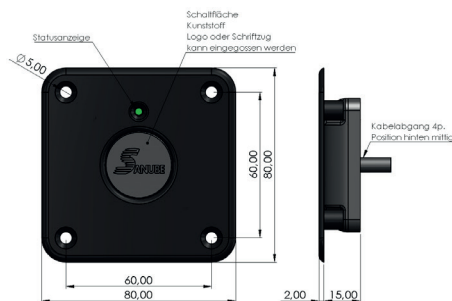


## Switch

- Version: 12/24V
- Use: INSTALLATION
- Cable outlet to the rear
- Connection 2-pin Superseal male/female
- Consumers up to 5A
- Waterproofed electronics
- Piezzo switch
- Also switchable with gloves
- Extremely flat (2 mm)

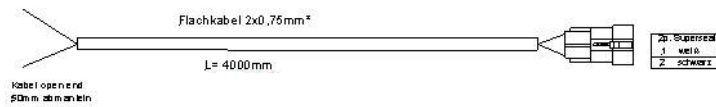
Art.Nr.

X5027030-051



12/24  
VOLT



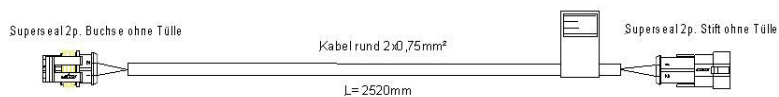


## Supply cable

- For interior lights
- Superseal 2-pin male
- With single wire seal
- Cable length 4 m
- Open end
- 50 mm stripped

Art.Nr.

180200-008

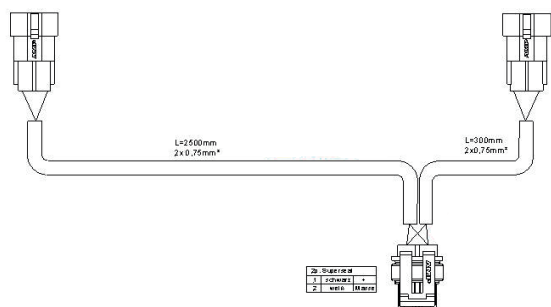


## Extension cable

- Superseal 2-pin male/female
- With single wire seal
- Length 2520 mm

Art.Nr.

180200-024

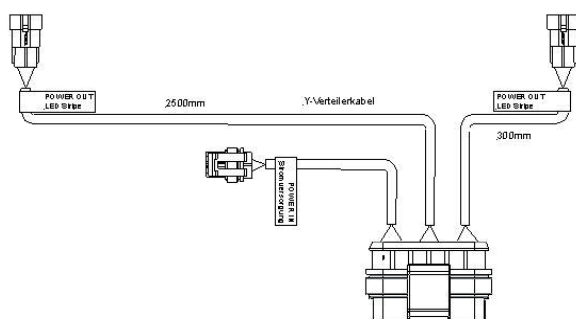


## Distribution cable

- For the use of 2 LED-Strips without infrared-sensor
- Cable length:  
one side 300 mm  
other side 2500 mm
- Superseal 2-pin female + 2 x male

Art.Nr.

180200-014



## Y-Verteilerkabel

- For the use of 2 LED-Strips with infrared-sensor
- Cable length:  
one side 300 mm  
other side 2500 mm
- Connection Stripes: Superseal 2-pin male
- Connection Sensor: Superseal 6-pin female

Art.Nr.

180200-030

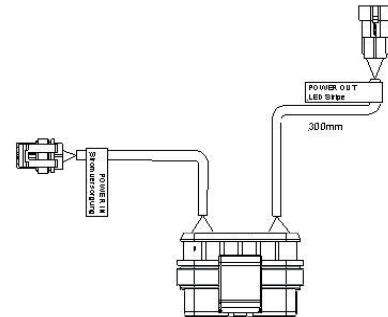


## Distribution Cable

- For the use of 1 LED-Stripes with infrared-sensor
- Cable length: 300 mm
- Connection Stripes: Superseal 2-pin male/female
- Connection Sensor: Superseal 6-pin female

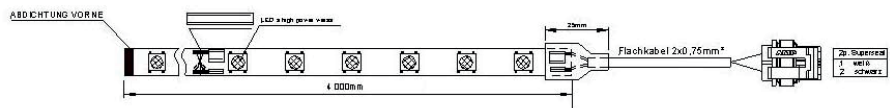
Art.Nr.

180200-035



## LED-Stripes

- 12 High-Power-LEDs per metre
- Connection: Superseal 2-pin female
- Completely pre assembled



	Length [mm]	Cable length [mm]	Voltage [V]
2G-AL04000EBD	4000	500	12
2G-AL05000EBD	5000	500	12
2G-AL07500EBD	7500	500	12
2G-AM05000EBD	5000	500	24
2G-AM06000EBD	6000	500	24
2G-AM07500EBD	7500	500	24
2G-AM10000EBD	10000	500	24
2G-AM13000EBD	13000	500	24

- Other lengths on request -

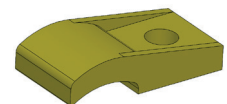
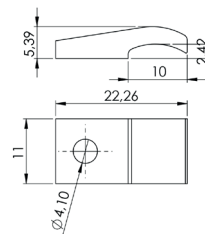


## Clip for LED-Stripes

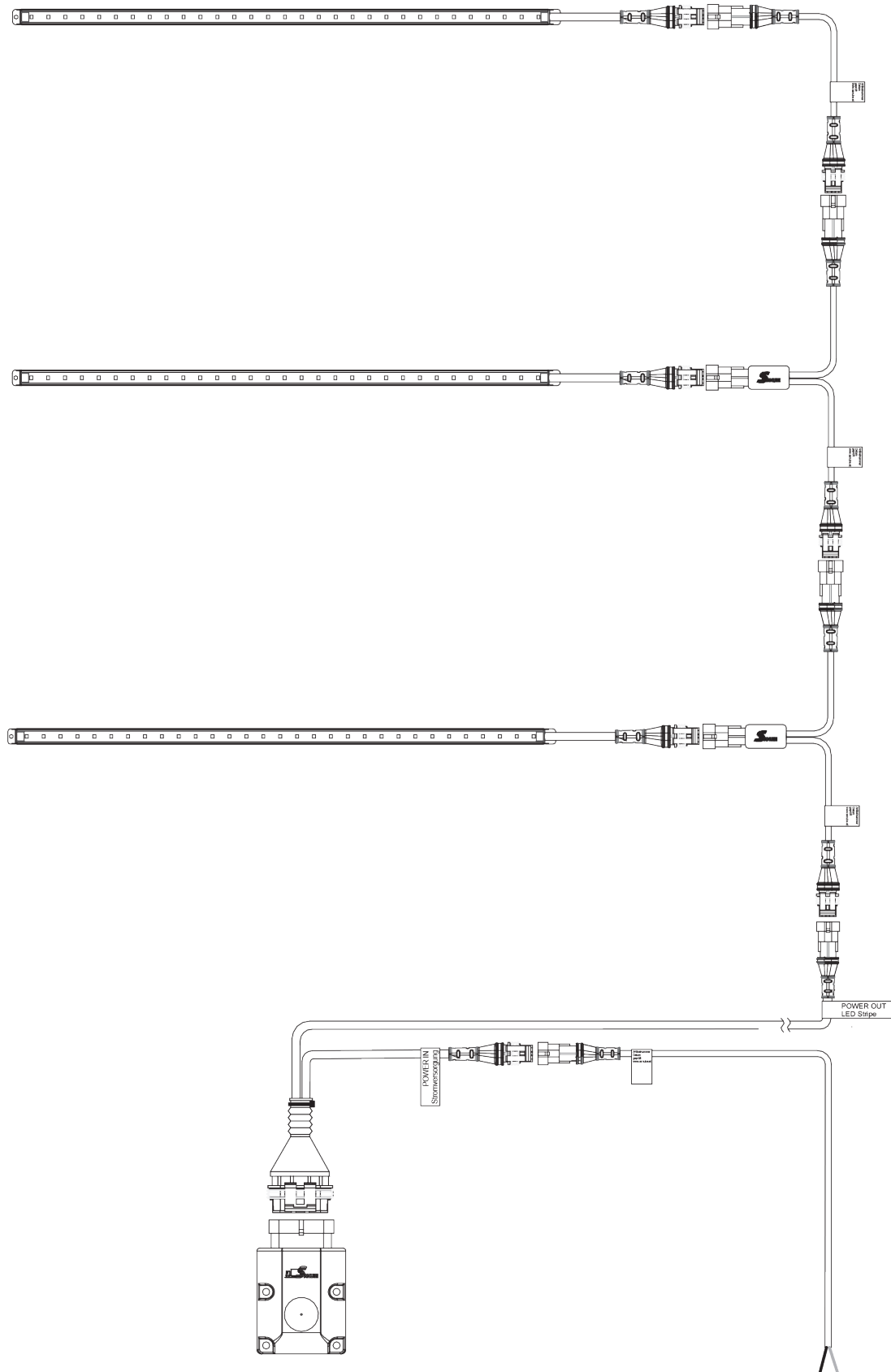
- Colour: transparent
- Material: Plastic
- For strain relief of the LED-Stripes

Art.Nr.

308026-0332



## Wiring example with Superseal connector "overmoulding technology"



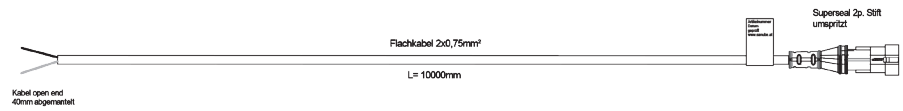


## Supply cable

- For interior lights
- Superseal 2-pin male
- Plug waterproof overmoulded
- Cable length 10 m
- Open end
- 40 mm stripped

Art.Nr.

180200-027



## Extension cable

- Superseal 2-pin male/female
- Plug waterproof overmoulded
- Length 3000 mm

Art.Nr.

180200-020

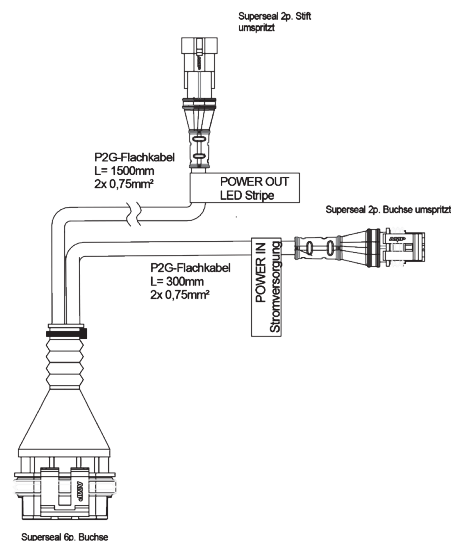


## Distribution cable

- Cable length:  
one side: 300 mm  
other side: 1500 mm
- Connection Stripes: Superseal 2-pin overmoulded male/female
- Connection Sensor: Superseal 6-pin female

Art.Nr.

180200-034

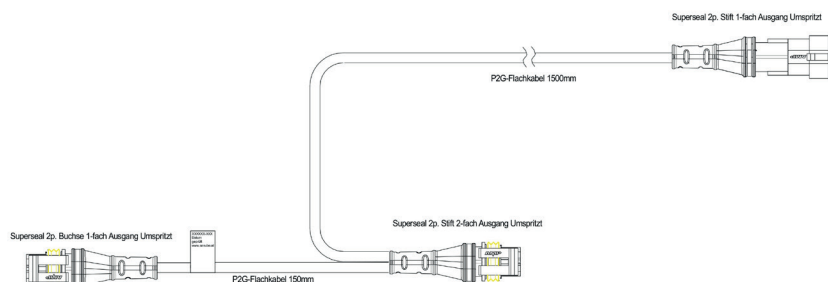


## Distribution cable

- Cable length:  
one side: 150 mm  
other side: 1500 mm
- Superseal 2-pin 2 x male/female
- Plug waterproof overmoulded

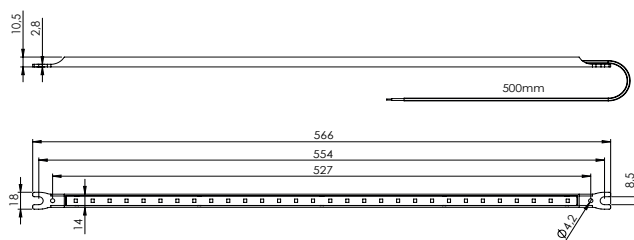
Art.Nr.

180200-028





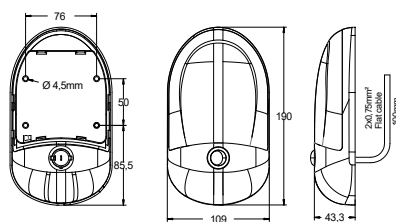
Detail:



## AluStripe II

- 30 High-Power-LEDs
- Version: LED 12/24V
- Power consumption: 12V - 0,76 A < 9W
- Power consumption: 24V - 0,38 A < 9W
- Completely preassembled
- Luminous intensity: 750 Lumen
- Waterproof encapsulated electronics

	cable length [mm]	Seal	Connector
1G3910-500K	500	---	open end
1G3910-504K	150	Grommet	Deutsch 2-pin male
1G3910-505K	100	overmoulded	Superseal 2-pin female



## Interior lamp

- With Power button
- Version: Bulb 12V 21 Watt
- P2G-cable completely pre assembled
- Cable length: 100 mm

Art.Nr.

1G1428-004



## LED-STRIPES INSTALLATION EXAMPLES



Sanube LED-Stripes as drawer lighting for caravans



Sanube LED-Stripes as wall lighting for caravans



Sanube LED-Stripes as shower lighting for caravans



## SANUBE LED-STRIPES



Sanube LED-Stripes as exterior lighting for caravans



Sanube LED-Stripes as interior lighting for box trucks



Sanube LED-Stripes as interior lighting for tarpaulin vehicles