**SMARTLED**

ALL TOGETHER BRILLIANT

# Smartled 7-RGB-IP68* Heat-resistant up to 80°C

## PS3330heat

| A↑G | G | | IP 68 | | 3 Years guarantee | suitable for outdoor use | CE | RoHS |

Colorful accents at high temperatures.

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This strip allows for wonderful color accents. Control can be easily done with our proven Smartled controllers. Lifespan according to LM80-15 50,000 hours. Ambient temperature: -25°C to 80°C. CAUTION! This strip must only be installed in combination with LED profiles.
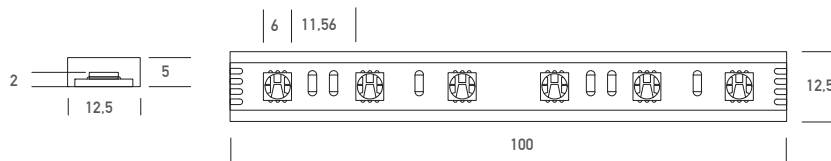


| Power (W/m) | 7 |
|---|---|
| Voltage (V/DC) | 24 |
| Protection class (IP) | 68 |
| Ambient temperature (°C) | –25 to 80 |

| Light color | RGB |
|---|---|
| Lumines output (lm/m) | 250 |
| LEDs/m | 60 |
| Rendering Index (CRI) | - |
| Beam (°) | 120° |

| Width (mm) | 12,5 |
|---|---|
| Roll length (m) | 5 |
| Cutting unit (mm) | 100 |
| Max. Load @ single feed (m) | 5 |
| Fitting | yes / 150mm |
| Tail | yes / 150mm |

| EAN | 2000000059723 |
|---|---|

*Not UV-resistant / nano silicone coating*

*The specified values refer to 1m*

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| Mounting | 3M Thermally conductive double-sided adhesive tape |
|---|---|
| Binning selection | SDCM3 |
| Dimmable | Yes / PWM Dimmer |
| UV resistant / suitable for outdoor use | No |
| Service life according to LM80-08 (h) | 50000 |
| Certificates | CE / ROHS |
| Energy efficiency class | G |

## Customizing

SMARTLED LED Strips can be customized to the desired length according to customer preferences.

A 100 cm long cable is soldered directly onto the strip to ensure the best possible connection between the cable and the LED strip. Longer lead lengths are billed separately. Unfortunately, returns are not possible for assembled goods.

## Assembly Instructions:

The connection is made by soldering or using approved connectors for the leads to the designated soldering pads (pay attention to markings + / -).

When soldering, adhere to a maximum soldering time of < 10s and a maximum soldering temperature of < 350°C. SMARTLED Flex Strips can be separated between the soldering pads at the marked points by cutting with scissors or similar tools. The installation of the strips is done with the double-sided adhesive tape attached to the back. Ensure clean surfaces, free from grease, oil, silicone, and dirt particles. The fastening materials must be sturdy. The minimum bending radius is 3cm.

The strip should only be sharply bent once, where no electronic components are mounted. Our aluminum profiles and covers have specific tolerances (+20/-0 mm). A profile has at least the specified length but can be up to 20 mm longer. Note that aluminum and polycarbonate expand differently with a change in temperature. With a temperature change of 20°C, expansion can be up to 1.2mm/m. This is a normal physical process. I

nstallation tip: If you are installing two aluminum profiles directly next to each other, be careful not to glue the LED strip directly over the joint during installation, as the profiles expand or contract with temperature fluctuations - especially with large lengths - potentially damaging the LED strip. At these joints, the LED strip must be divided at the marked points and connected with flexible solder bridges (allowing for approximately 5mm of expansion).

## Safety Instructions:

Mechanical stress on the components of SMARTLED Flex Strips should be avoided.

During installation, the conductive path must not be damaged or interrupted! Only a qualified electrician should carry out the installation of SMARTLED Flex Strips (with power supply) in accordance with all applicable regulations and standards! Please observe polarity! Incorrect polarity will result in no light emission or potential damage to the strip! Only electrical parallel connection ensures a safe operating condition.

Electrical series connection of SMARTLED Flex Strips is expressly discouraged. Asymmetric voltage drops can lead to a strong overload and destruction of individual strips. Consider the sizing of the available power supply; dimming is only possible through PWM methods or similar. When mounting on metallic surfaces, provide insulation between the mounting surface and the strip at the solder contacts to prevent short circuits. Refer to the

respective datasheet for the maximum length of a continuous SMARTLED Flex Strip. Longer SMARTLED Flex Strips are possible through intermediate feeding or feeding at the beginning and end of the strips. Note that the SMARTLED Flex Strip requires additional cooling - for example, through the use of an aluminum profile.

Take measures against ESD during installation. SMARTLED Flex Strips are delivered unpainted and therefore without corrosion protection. This is due to further processing because cutting or soldering on the strip would damage the protective coating and thus lose its effectiveness. Corrosion defects due to contact with moisture or condensation are not recognized. In areas with the influence of dust or moisture, S

MARTLED Flex Strips should be protected by a cover with a suitable degree of protection. The maximum current per roll (maximum length) can be temporarily up to 6.0 A (depending on the type and length of the strip). When using a power supply with an output current greater than 6.0 A, the strips should be appropriately protected with a fuse.
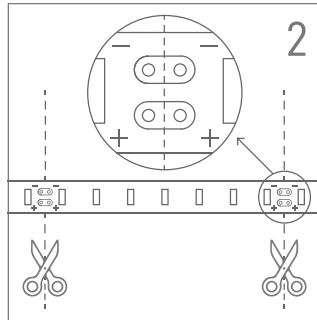
◇ SMARTLED
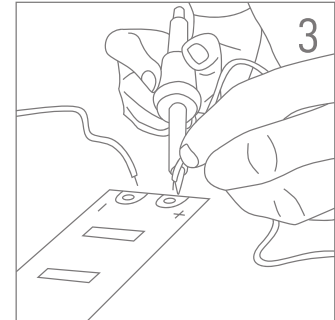ALL TOGETHER BRILLIANT

# Installation

**CAUTION!**
**When working with LED Strips, ESD should be avoided.**
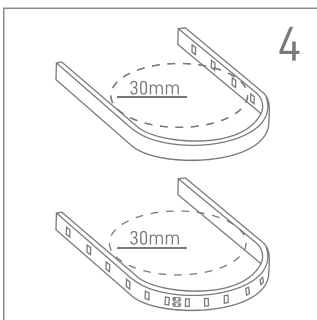**(Use of ESD wrist strap, grounded shoes, and/or floor mats.)**
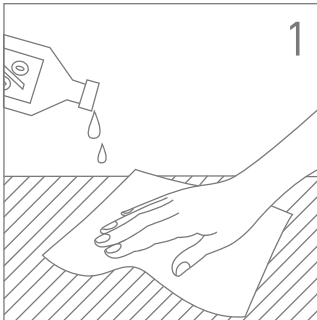
Free the Aluminum surface from dirt
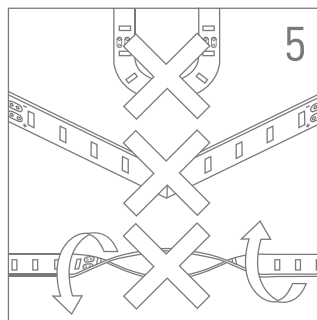and grease before sticking the LED
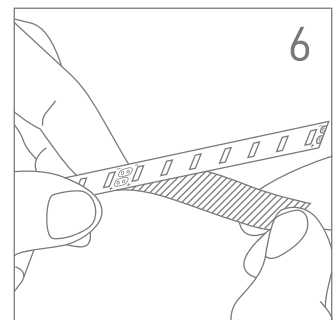tape.

The LED strip may
only between solder pads get cut.

The lettering (+/-) of the LED band
must be considered when soldering
the wires.
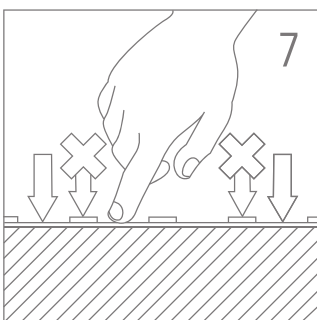The soldering temperature may be
350°C not exceed.

The LED strips are bendable.
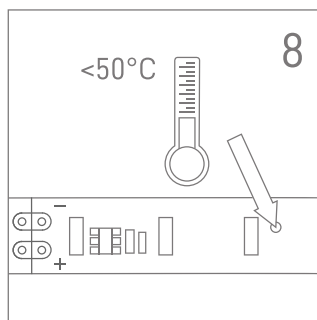The bending radius may be
30mm not fall below.

The LED strips MUST NOT
into the one shown
apparent directions
be bent or twisted.

Remove that adhesive tape
from the back
of the LED strip.

Carefully press the LED strip between
the electronic components onto the
aluminum surface.
Do not press on the electronic
components.

The LED strips must be on
Aluminum (or material with
similar heat conduction) to ensure
sufficient achieve heat dissipation.
The operating temperature may not
exceed 50°C not exceed.
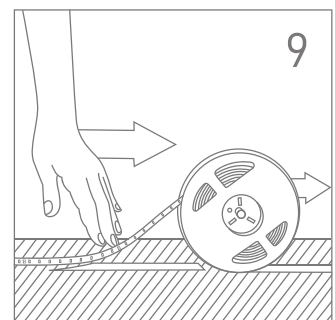
Do not completely unroll the LED
strip. Remove the protective film of
the adhesive strip while unrolling the
LED tape at the same time.