

General Information for LED Products

Basic information

- Only use rated input voltage of DC24V $\pm 5\%$ with these LED-Profile-Alu.
- Use in an environment with humidity of 30-80% and within the temperature range specified.
- For indoor use only; not to be used in an environment with humidity above 80%, not to be used in direct sunlight.
- The LED strip can not be used in an environment with acid and/or alkali.

Colour offset

- The indicated colour temperature is determined by the colour temperature of the built in LED's. The emitted colour differ from the indicated colour due to the cover acting as a filter. The emitted colour will tend to be colder than the indicated colour, in other words the lightcolour will have a stronger blue spectrum than indicated. The effective resulting colour output is furthermore influenced by temperature, humidity, and the colour temperature of the built-in LED. Since there are many factors determining the effective colour output, the effective emitted colour can only be defined in a rough range:

Colour specification of the LED	Effective emitted colour with cover
N = 2800-3500°K	~3800-4500°K
S = 3800-4500°K	~5000-7000°K
W = 5500-6500°K	~7500-12000°K

Brightness offset

- The indicated brightness is determined by the brightness of the built in LED's. The effective emitted brightness will be different because of the cover acting as a filter. The reduction depending on the used profile and the used cover.

Installation guidelines

- Only a professional and qualified electrician is allowed to install LED-Profile-Alu
- ESD safety has to be ensured when handling and installing LED-Profile-Alu .
- Do not cover LED-Profile-Alu. The operating temperature of an installation has to be kept within the specified temperature range in order to ensure normal lifetime and performance of LED-Profile-Alu.
- Choose the appropriate Power Supply according to the Voltage and Power consumption of the LED-Profile-Alu in use. The input voltage has to be in conformance with the working voltage of the strip. If the input voltage is higher than the actual working voltage, it will damage the Power Supply or the LED-Profile-Alu, if the input voltage is lower, the performance of the strip will be poor and the brightness may be reduced. We suggest to choose a Power Supply which has a load of maximum 75-80% of its rated power capacity. If the Power Supply has loaded rated Watts at the same level as the LED-Profile-Alu strip has it's working power, an overload may occur which will shorten the driver lifespan or excessive heating may burn the driver and the LED-Profile-Alu.
- Do not connect more than 3m in a row (serial connection). Serial connection may cause voltage drop which will result in an unequally distributed lightoutput (beginning of LED-Profile-Alu is brighter than the end) and may cause the strip to overheat and start to burn. In order to use more strips in one installation, connect LED-Profile-Alu in parallel. Refer to the wiring instructions for a parallel LED-Profile-Alu installation.
- Do not touch the LED products while it is powered on.
- Turn off the power in case of any failure. Do not power-on the installation before having it verified by a professional electrician.
- The installer and/or user is responsible that the installed application is in compliance with all relevant and applicable regulations. The installed product has to be protected from any accidental contact.