

PROFI LED STRIPS

GENERAL FAMILY REGISTRATION CARD



TECHNICAL SPECIFICATIONS

Parameter	S-Shape2700 K	S-Shape3000 K	S-Shape4000 K	COB3000 K	COB4000 K	RGBW 3000 K	RGBW 4000 K
LED type	SMD 2835	SMD 2835	SMD 2835	COB	COB	SMD 5050	SMD 5050
Light type	Single-color	Single-color	Single-color	Single-color	Single-color	RGBW	RGBW
Light color	Warm white	Warm white	Neutral white	Warm white	Neutral white	RGB + warm white	RGB + neutral white
Color temperature [K]	2700	3000	4000	3000	4000	3000	4000
Power [W/m]	10	10	10	10	10	16	16
CRI (Ra)	90	90	90	90	90	80	80
White light output							
[lm/m]	1350	1400	1500	900	950	346	368
R / G / B light output	—	—	—	—	—	129 / 304 / 59	101 / 276 / 63
[lm/m]							
Luminous efficacy [lm/W]	135	140	150	90	95	—	—
Number of LEDs per							
5-meter roll	800	800	800	2640	2640	300	300
Number of LEDs per 1							
meter [LED/m]	160	160	160	528	528	60	60
Cutting section [mm]	25	25	25	45	45	100	100
Lifespan criterion	L80/B50	L80/B50	L80/B50	L70/B50	L70/B50	L70/B50	L70/B50
Lifespan – reference							
value¹	65000	65000	65000	26200	26200	26200	26200

For RGBW, the color temperature and white light output refer to the W channel; the R, G, and B outputs are listed separately.

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CHARACTERISTICS

LED strips are a popular solution for linear lighting, valued for their versatility and ease of installation. The LED PRO series comes with a warranty of up to 7 years. A wide selection of options allows you to tailor the lighting to the application and project requirements.

The availability of warm, neutral, and cool white light colors allows you to achieve the desired effect for a given space. The use of an aluminum profile with a diffusing cover, combined with the appropriate LED density, ensures a uniform line of light.

The factory-applied adhesive layer facilitates installation of the strip in an aluminum profile or on a properly prepared surface. The quality of the LEDs, the design of the substrate, and proper heat dissipation have a significant impact on the durability and reliability of the lighting.

Power Supply and Power Supply Selection

When installing longer sections, it's a good idea to choose a 24-volt LED strip. Compared to the 12-volt version with the same power output, it draws less current, which reduces voltage drops and promotes even lighting. It may also allow for the use of wires with a smaller cross-section, which are easier to conceal during installation. However, the selection of wires depends on the strip's power and the length of the power cables.

A 24 V LED strip requires a DC power supply. To connect it to the electrical grid, use a power supply with an output voltage matching the strip's voltage.

The required power supply capacity is calculated by multiplying the strip's power per meter by its length. When selecting a power supply, you should also account for a power margin in accordance with the power supply manufacturer's recommendations.

The type of power supply depends on the installation location and conditions. Available options include compact "slim" models, furniture-mounted power supplies, and hermetically sealed versions with an appropriate IP rating.

PROFESSIONAL LED STRIPS

Professional LED strips are the solution for those seeking high-quality light, durability, and consistent performance. The models we offer have been thoroughly tested in our photometric laboratory.

Their most important advantages are:

- High luminous efficacy—depending on the model, up to 50% higher luminous flux at the same power compared to the Standard version.
- Longer service life – for select models, more than twice as long as in the Standard series.
- Consistent light color – careful selection of LEDs minimizes color variations along the entire length of the strip and ensures consistent results.
- Versatile applications—from accent lighting for furniture and architectural details to general lighting, provided the parameters and installation method are properly selected.
- Professional LED strips combine energy efficiency with the ability to create attractive lighting designs in homes, offices, private offices, and commercial spaces.

APPLICATION

LED strips are used for functional, decorative, and accent lighting. They are most commonly used for:

- Lighting for countertops and workspaces—such as under kitchen cabinets.
- Furniture lighting—shelves, display cases, cabinets, and closets.
- Interior lighting—in ceiling and wall recesses, and as light strips in aluminum profiles.
- Wayfinding lighting—for stairs, hallways, and walkways.
- Highlighting products and details—in stores, display cases, and at exhibitions.
- Creating decorative effects—illuminating mirrors, TVs, and arrangements using RGB lighting.
- Outdoor lighting—for patios, facades, and gardens, provided that a weather-resistant version is selected.

Properly selected strips can also serve as the main lighting source. Their application depends, among other things, on the luminous flux, light color, CRI, IP rating, and installation method.