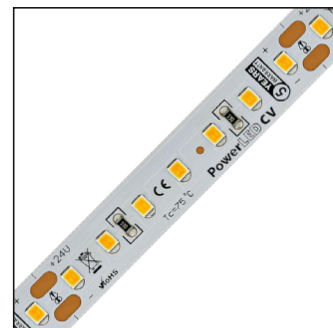


LED strip PowerLED 112 27W 24V IP20





- ✓ Be dazzled by a performance that exceeds your expectations! The PowerLED series offers the highest performing LED strips on the market!
- ✓ Developed for the most demanding lighting projects that demand a no-compromise solution.
- ✓ Dazzling brightness up to 4230 lm/m suitable also for large, open or outdoor spaces.
- ✓ Top efficiency of up to 157 lm/W for maximum cost-efficient operation.
- ✓ Long power line up to 4.5 m from a single point.
- ✓ Extended lifespan of over 72,000 hours.
- ✓ The voltage variant is suitable for applications with different lengths of luminaires (easy power supply design for identical luminous intensity).
- ✓ Suitable for linear lighting applications in commercial, industrial and construction environments and wherever standard solutions are just not enough.
- ✓ 5 year warranty.



Note: Not every profile is capable of cooling this power. Consult your project with our specialists!

COLOR TEMPERATURE VARIANTS*

| Color temperature | Luminous flux ¹ | Luminous efficacy ² | Blue spectrum ³ | Energy eff. class | Order code |
|--|----------------------------|--------------------------------|----------------------------|-------------------|------------|
| 2700 K  | 3970 lm/m | 148 lm/W | 12 % | D | 30002947 |
| 4000 K  | 4080 lm/m | 151 lm/W | 18 % | D | 30002948 |
| 6500 K  | 4230 lm/m | 157 lm/W | 29 % | D | 30002949 |

*The list is not comprehensive. We also produce custom variants. For more information, please contact us at info@tron.cz

¹ Luminous flux tolerance -10/+20 %. Value at tc=25°C.

² Luminous efficacy tolerance -10/+20 %. Value at tc=25°C.

³ Proportion of 380-480 nm wavelength light. Blue spectrum tolerance ±10 %. Value at tc=25°C.

PRODUCT SPECIFICATIONS

| | | | |
|----------------------|-----------|----------------------------------|---------------|
| Power supply | 24 V DC | Maximum line length ⁶ | 4.5 m |
| Power ⁴ | 27 W/m | Protection | IP20 |
| LED density | 112 LED/m | Max. temperature at tc | 85 °C |
| LED package | 2835 | Ambient temperature | -35 to +50 °C |
| Color consistency | 3 SDCM | Storage temperature | -25 to +40 °C |
| CRI ⁵ | >80 | Dimmable | YES |
| Beam angle | 120° | Lifespan L80B50 ⁷ | >72,000 h |
| Light direction | TOP | Warranty | 5 years |
| Single module | 7 LED | Copper thickness top/bottom | 35/70 µm |
| Single module length | 62.5 mm | Thermal conductive tape | 3M 9495LE |
| Width | 12 mm | Surface color | white |
| Height | 2 mm | Length (packaging) | 10 m |

⁴ Power tolerance ±10 %. Value at tc=25°C.

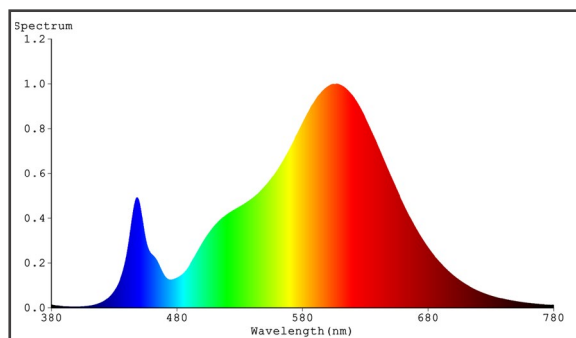
⁵ CRI tolerance ±2 %. Value at tc=25°C.

⁶ Maximum length at which brightness difference between the start and the end of the line does not exceed 20 %.

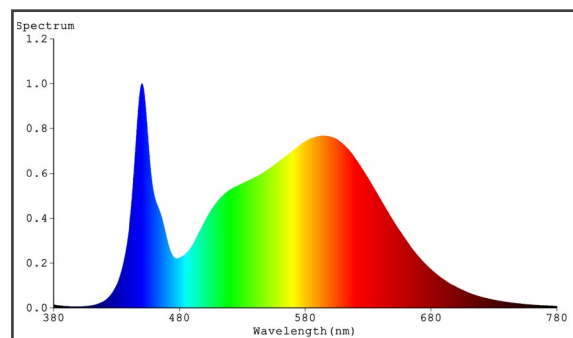
⁷ Value at tc=83 °C and I=200 mA.



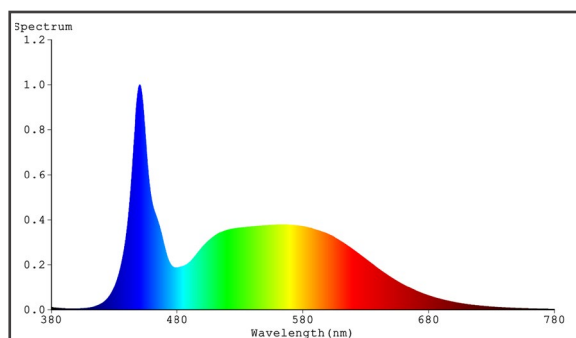
NORMALISED SPECTRAL DISTRIBUTION



● 2700 K, CRI > 80



○ 4000 K, CRI > 80



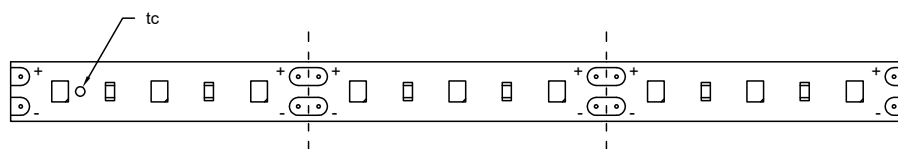
● 6500 K, CRI > 80

CHROMATICITY REGION AND COORDINATES

| CCT | MacAdam | CIE x^* | CIE y^* |
|--------|---------|-----------|-----------|
| 2700 K | 3 SDCM | 0.452 | 0.406 |
| 4000 K | 3 SDCM | 0.377 | 0.375 |
| 6500 K | 3 SDCM | 0.309 | 0.324 |

* Tolerance ± 0.01 . Value at $t_c=25^\circ\text{C}$.

TESTING POINT t_c



The testing point t_c is always located next to the the first LED on the strip (the picture is illustrative only).

We are ready to help you!

Mo-Fr, 8:00-16:00

Information

info@tron.cz

+420 541 420 720

Orders

objednavky@tron.cz

Technical support

techzona@tron.cz



TRON.CZ

Visit our website



ESHOP-TRON.CZ

Order now via our
online store!

Headquarters

TRON ELEKTRONICKÉ SOUČÁSTKY, s. r. o.
Karásek 1 J (Pharma park, building 12)
621 00 Brno - Řečkovice
Czech republic

Billing address

TRON ELEKTRONICKÉ SOUČÁSTKY, s. r. o.
Běly Pažoutové 1
624 00 Brno - Komín
Czech republic
IČ: 25331205
DIČ: CZ25331205