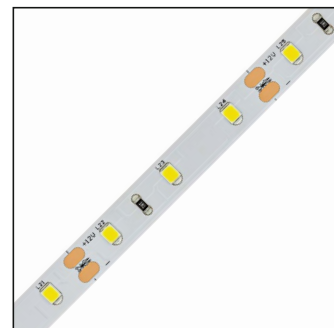


LED strip ProfiLED 60 4.8W 12V IP20



- ✓ The ProfiLED series is designed to deliver uncompromising quality and excellent reliability.
- ✓ Engineered to achieve consistent performance in continuous operation.
- ✓ Premium-grade LEDs with high efficacy and stable color reproduction.
- ✓ Suitable for professional applications, commercial spaces and around-the-clock operation.
- ✓ The 8 mm width ensures compatibility with more subtle design profiles.
- ✓ Optimized 4.8W power for low energy consumption and economical operation.
- ✓ Ideal for short-distance illumination, ambient lighting, accent lighting or backlighting.
- ✓ 5 year warranty.



COLOR TEMPERATURE VARIANTS*

Color temperature	Luminous flux ¹	Luminous efficacy ²	Blue spectrum ³	Energy eff. class	Order code
3000 K 	580 lm/m	121 lm/W	14.5 %	E	10005088
4000 K 	620 lm/m	129 lm/W	22.0 %	E	10005089
6500 K 	570 lm/m	119 lm/W	36.9 %	F	10005090

*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	12 V DC	Maximum line length ⁶	4 m
Power ⁴	4.8 W/m	Protection	IP20
LED density	60 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	>54,000 h
Light direction	TOP	Warranty	5 years
Single module	3 LED	Copper thickness top/bottom	35/35 µm
Single module length	50 mm	Thermal conductive tape	3M 9495LE
Width	8 mm	Surface color	white
Height	2 mm	Length (packaging)	10 m

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

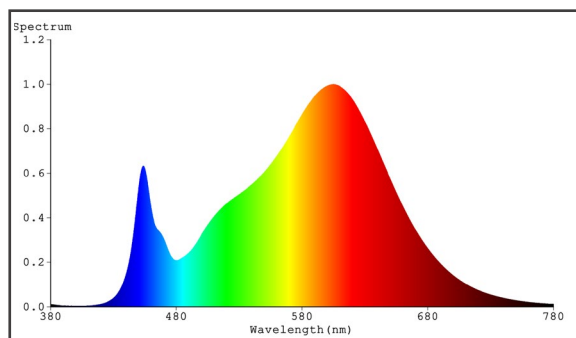
⁵ CRI tolerance ±2 %. Value at tc=25°C.

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

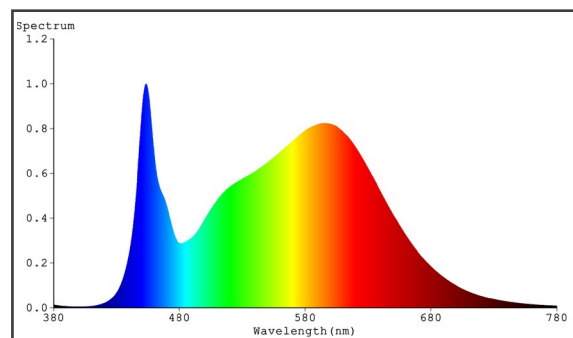
⁷ Value at tc=55°C and I=30mA.



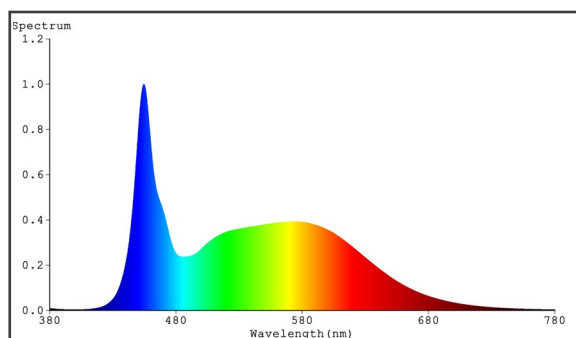
NORMALISED SPECTRAL DISTRIBUTION



● 3000 K, CRI > 80



○ 4000 K, CRI > 80



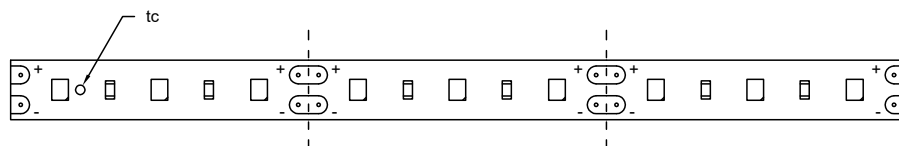
● 6500 K, CRI > 80

CHROMATICITY REGION AND COORDINATES

CCT	MacAdam	CIE x^*	CIE y^*
3000 K	3 SDCM	0.434	0.402
4000 K	3 SDCM	0.380	0.377
6500 K	3 SDCM	0.312	0.326

* 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 first LED on the strip (the picture is illustrative only).

We are ready to help you!

Mo-Fr, 8:00-16:00

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