

LED strip OptiLED 60 4,8W 12V IP20



- ✓ More light for less money: the OptiLED series offers optimum price/quality ratio.
- ✓ High efficacy, stable color reproduction and long lifespan at a fair price.
- ✓ The slimmed down 8mm width ensures compatibility with more delicate profiles.
- ✓ Optimized 4,8 W power for low energy consumption and cost-efficient operation.
- ✓ Long power line up to 5 meters from a single point.
- ✓ Wide range of color temperatures.
- ✓ Suitable for short-distance illumination, ambient lighting, elegant back-lighting or accent lighting.
- ✓ Appropriate for indirect lighting and for creating continuous lines of light.
- ✓ 5 year warranty.



COLOR TEMPERATURE VARIANTS*

Color temperature	Luminous flux ¹	Luminous efficacy ²	Blue spectrum ³	Energy eff. class	Order code
2700 K 	540 lm/m	113 lm/W	12.1 %	F	10001674
3000 K 	570 lm/m	119 lm/W	14.0 %	F	10001675
4000 K 	590 lm/m	122 lm/W	22.2 %	E	10001681
5700 K 	590 lm/m	123 lm/W	32.0 %	E	10001683
6500 K 	570 lm/m	119 lm/W	35.7 %	F	10001690

*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	5 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	4 SDCM	Storage temperature	-25 to +40 °C
CRI ⁵	>80	Dimmable	YES
Beam angle	120°	Lifespan L80B50 ⁷	>54,000 hours
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)	50 m

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

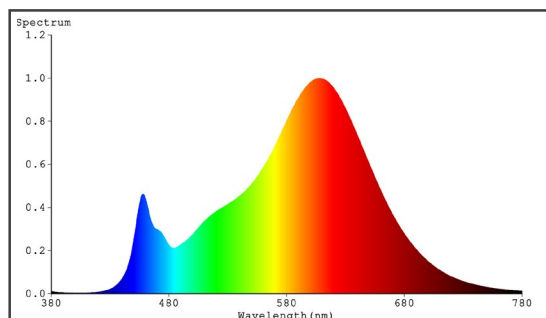
⁵ CRI tolerance ± 2%. Value at tc=25°C.

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

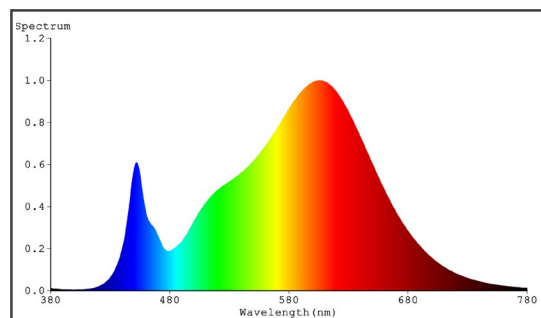
⁷ Value at tc=55°C and I=30mA.



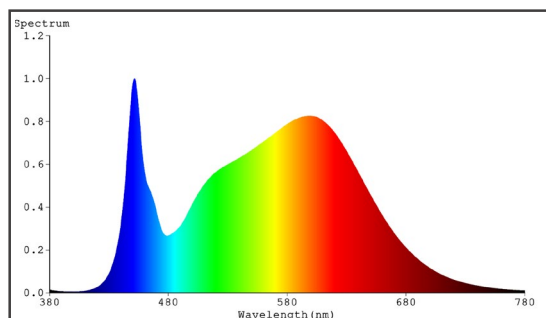
NORMALISED SPECTRAL DISTRIBUTION



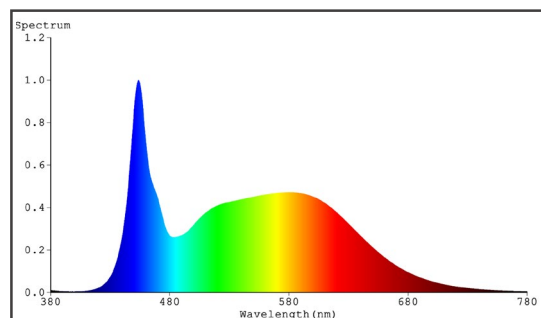
● 2700 K, CRI > 80



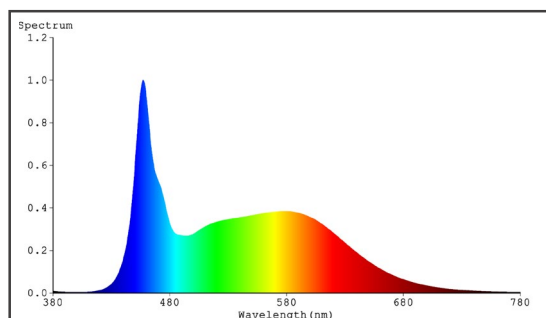
● 3000 K, CRI > 80



○ 4000 K, CRI > 80



● 5700 K, CRI > 80



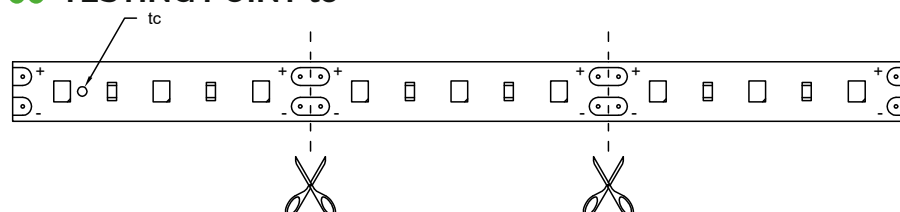
● 6500 K, CRI > 80

CHROMATICITY REGION AND COORDINATES

CCT	MacAdam	CIE x*	CIE y*
2700 K	4 SDCM	0.457	0.406
3000 K	4 SDCM	0.434	0.402
4000 K	4 SDCM	0.382	0.379
5700 K	4 SDCM	0.328	0.340
6500 K	4 SDCM	0.310	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 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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