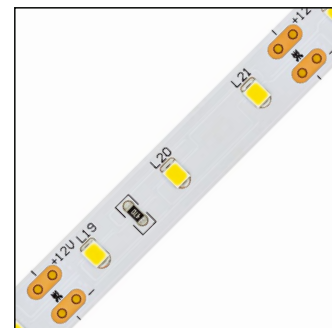


LED strip OptiLED 60 14,4W 12V IP20



- ✓ More light for less money: the OptiLED series offers optimum price/quality ratio.
- ✓ Stable color reproduction and long lifespan at a fair price.
- ✓ High brightness up to 1680 lm/m provides a sufficiently strong and high-quality illumination of work areas.
- ✓ Creates a continuous line of light without visible highlight spots in a profile with a minimum depth of 20 mm.
- ✓ Wide range of color temperatures.
- ✓ Suitable for illumination of homes, kitchens and bathrooms*, garages, workshops and workplaces.
- ✓ Appropriate for both direct and indirect lighting and for creating continuous lines of light.
- ✓ 5 year warranty.



* usage in damp environments only after appropriate treatment (e.g. sealing the LED strip in a profile)

COLOR TEMPERATURE VARIANTS*

Color temperature	Luminous flux ¹	Luminous efficacy ²	Blue spectrum ³	Energy eff. class	Order code
2700 K 	1480 lm/m	103 lm/W	12.1 %	F	10001655
3000 K 	1540 lm/m	107 lm/W	14.0 %	F	10001657
4000 K 	1570 lm/m	109 lm/W	22.2 %	F	10001661
5700 K 	1680 lm/m	117 lm/W	32.0 %	F	10001664
6500 K 	1520 lm/m	106 lm/W	35.7 %	F	10001670

*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	3.5 m
Power ⁴	14.4 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	35/70 µm
Single module length	50 mm	Thermal conductive tape	3M 9495LE
Width	10 mm	Surface color	white
Height	2 mm	Length (packaging)	50 m

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

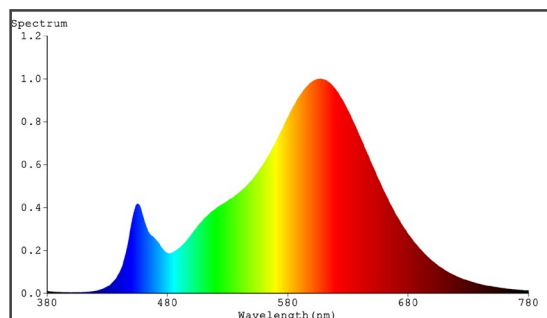
⁵ CRI tolerance ±2 %. Value at tc=25°C.

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

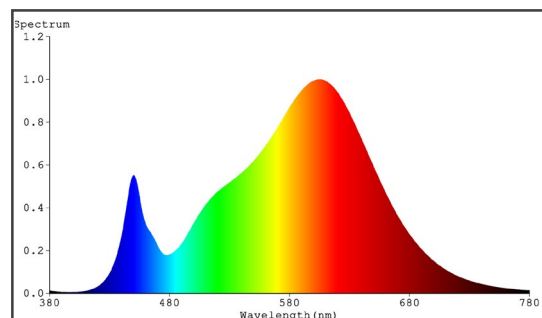
⁷ Value at tc=55°C and I=30mA.



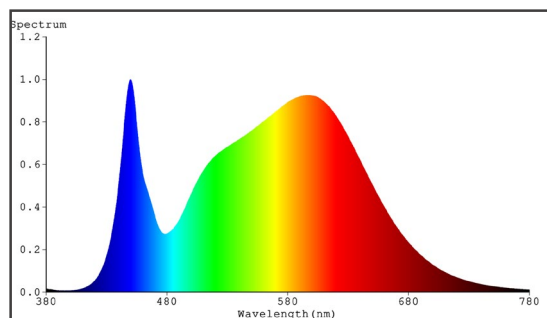
NORMALISED SPECTRAL DISTRIBUTION



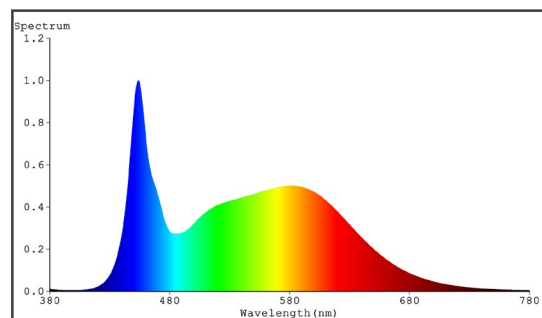
● 2700 K, CRI > 80



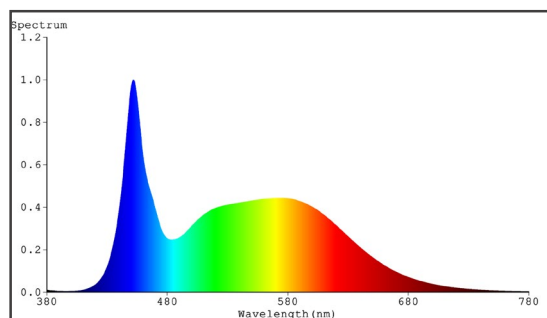
● 3000 K, CRI > 80



○ 4000 K, CRI > 80



● 5700 K, CRI > 80



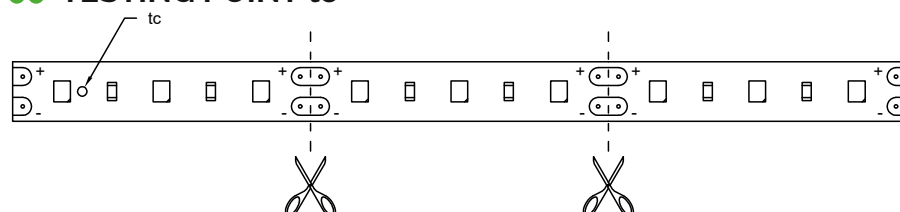
● 6500 K, CRI > 80

CHROMATICITY REGION AND COORDINATES

CCT	MacAdam	CIE x*	CIE y*
2700 K	4 SDCM	0.457	0.410
3000 K	4 SDCM	0.435	0.403
4000 K	4 SDCM	0.382	0.380
5700 K	4 SDCM	0.329	0.340
6500 K	4 SDCM	0.313	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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