

LED strip OptiLED 120 9,6W 12V IP20 8mm



- ✓ 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 (also available in a 10mm version).
- ✓ Divisible every 25 mm (3 LEDs) for perfect length adjustment and illumination of every inch.
- ✓ Creates a continuous line of light without visible highlight spots in a profile with a minimum depth of 10 mm.
- ✓ Suitable for illumination of households and for the advertising industry.
- ✓ 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
3000 K 	1150 lm/m	120 lm/W	14.0 %	E	10001613
4000 K 	1180 lm/m	123 lm/W	22.2 %	E	10001618
6500 K 	1150 lm/m	120 lm/W	35.7 %	E	10001623

*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 m
Power ⁴	9.6 W/m	Protection	IP20
LED density	120 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 h
Light direction	TOP	Warranty	5 years
Single module	3 LED	Copper thickness top/bottom	35/35 µm
Single module length	25 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.

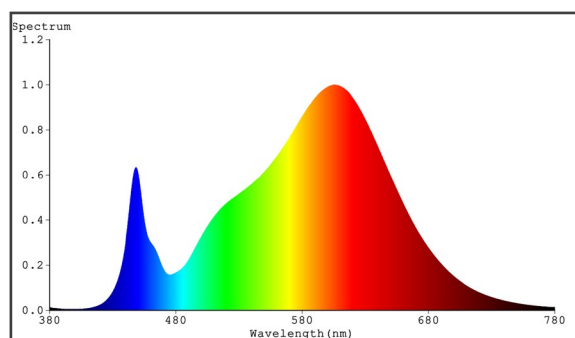
⁵ CRI tolerance ±2 %. Value at tc=25°C.

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

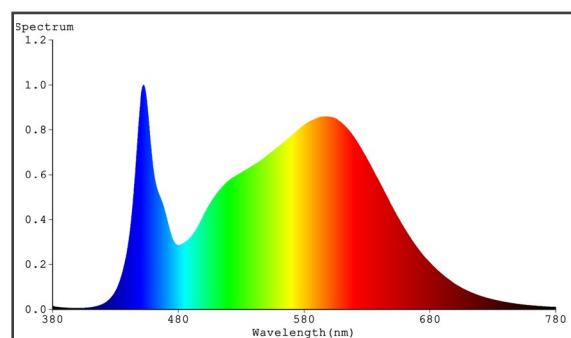
⁷ Value at tc=55°C and I=30mA.



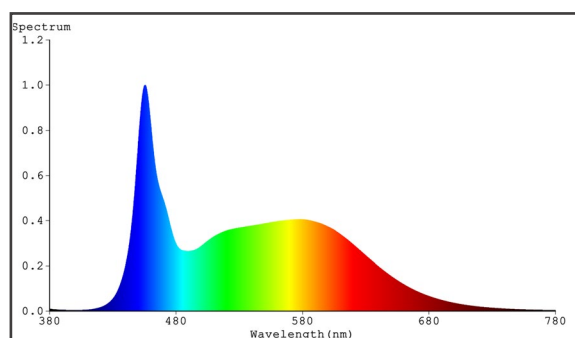
NORMALISED SPECTRAL DISTRIBUTION



● 3000 K, CRI > 80



○ 4000 K, CRI > 80



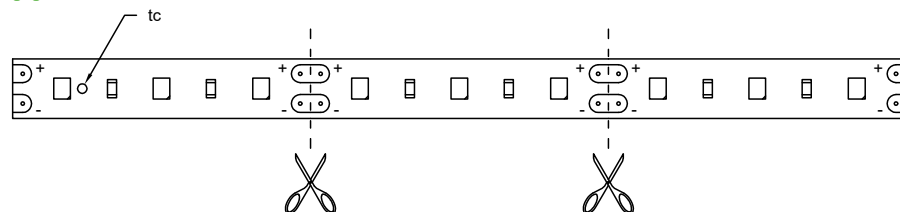
● 6500 K, CRI > 80

CHROMATICITY REGION AND COORDINATES

CCT	MacAdam	CIE x*	CIE y*
3000 K	4 SDCM	0,435	0,401
4000 K	4 SDCM	0,382	0,380
6500 K	4 SDCM	0,311	0,325

* 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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