

LED strip iHome 98 6W 24V IP20



- ✓ The iHome series has been developed with premium interior lighting in mind.
- ✓ High-quality illumination with a low percentage of unwanted blue light (as low as 0.5 % for the amber variant).
- ✓ High efficacy, long lifetime and low operating costs.
- ✓ Extremely long power line up to 10 meters from one point.
- ✓ Suitable for homes and apartments, professional applications (malls, hotels, showrooms), smart home projects and production of linear lighting.
- ✓ Appropriate for indirect lighting or backlighting and for creating continuous lines of light.
- ✓ Five years warranty.



COLOR TEMPERATURE VARIANTS*

Color temperature	Luminous flux ¹	Luminous efficacy ²	Blue spectrum ³	Energy eff. class	Order code
1700 K (AMB) 	710 lm/m	118 lm/W	0.5 %	F	10009253
3000 K 	820 lm/m	137 lm/W	14.3 %	E	10001692
4000 K 	860 lm/m	143 lm/W	21.4 %	E	10001694
6500 K 	810 lm/m	134 lm/W	32.8 %	E	10001696

*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	10 m
Power ⁴	6 W/m	Protection	IP20
LED density	98 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	7 LED	Copper thickness top/bottom	35/70 µm
Single module length	71.4 mm	Thermal conductive tape	3M 9495LE
Width	10 mm	Surface color	white
Height	2 mm	Length (packaging)	10 m

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

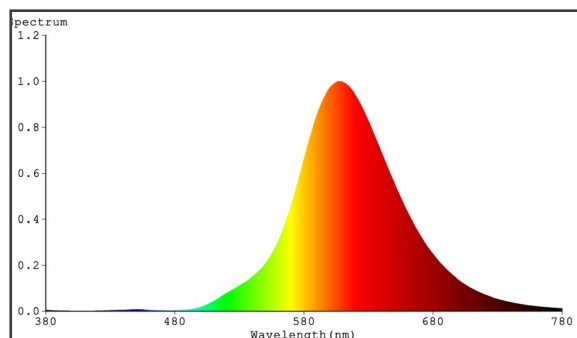
⁵ CRI tolerance ±2 %. Value at tc=25°C.

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

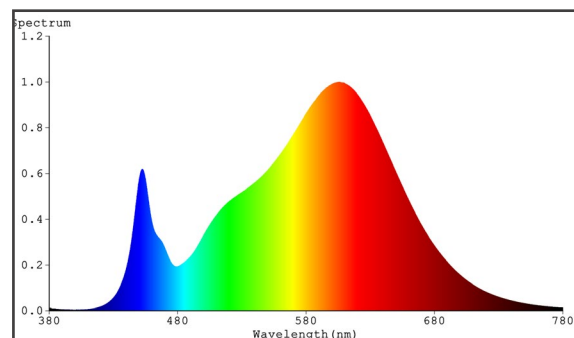
⁷ Value at tc=55°C and I=30mA.



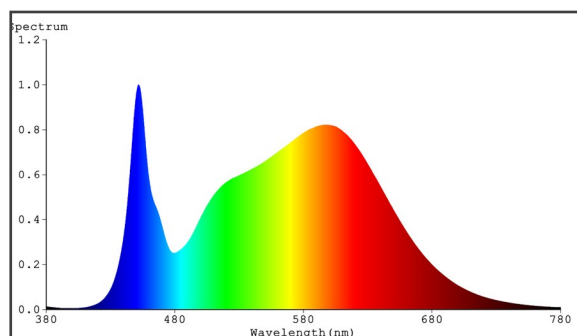
NORMALISED SPECTRAL DISTRIBUTION



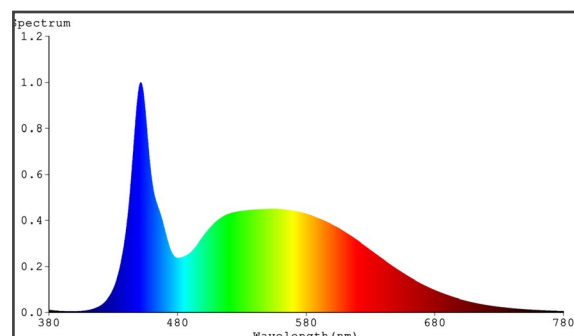
● 1700 K (AMB), CRI > 80



● 3000 K, CRI > 80



○ 4000 K, CRI > 80



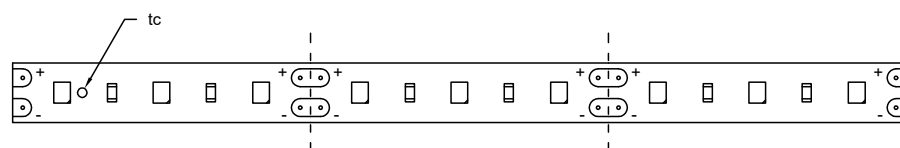
● 6500 K, CRI > 80

CHROMATICITY REGION AND COORDINATES

CCT	MacAdam	CIE x^*	CIE y^*
1700 K (AMB)	3 SDCM	0.577	0.415
3000 K	3 SDCM	0.434	0.402
4000 K	3 SDCM	0.381	0.379
6500 K	3 SDCM	0.313	0.337

* 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

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