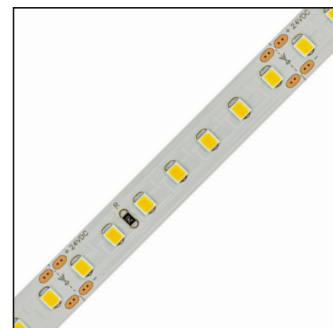





LED strip iHome Brilliant 126 9W 24V IP20



- ✓ The iHome series has been developed with premium interior lighting in mind.
- ✓ The Brilliant version with CRI>90 guarantees precise color reproduction and a brilliant aesthetic experience.
- ✓ High-quality illumination with a low percentage of unwanted blue light.
- ✓ High efficacy, long lifetime and low operating costs.
- ✓ Very long power line up to 6,5 m from one point.
- ✓ Suitable for homes and apartments, professional applications, smart home projects and production of linear lighting.
- ✓ Ideal for illuminating food and retail, salons, beauty counters, jewellery, designer stores, galleries and other areas where a perfect visual impression is essential.
- ✓ Appropriate for both direct and indirect lighting 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
2700 K 	990 lm/m	110 lm/W	8.4 %	F	10001630
3000 K 	1190 lm/m	132 lm/W	13.5 %	E	10001631
4000 K 	1210 lm/m	135 lm/W	20.8 %	E	10009523

*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	6.5 m
Power ⁴	9 W/m	Protection	IP20
LED density	126 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	>90	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	70/70 µm
Single module length	55.5 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.

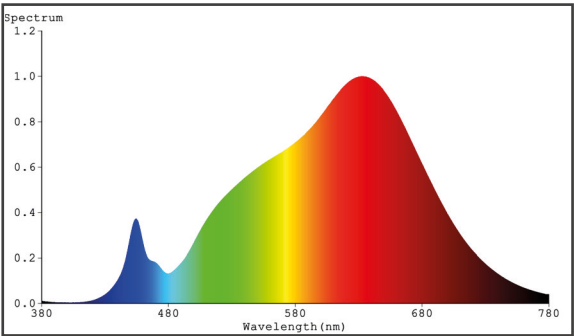
⁵ CRI tolerance ±2 %. Value at tc=25°C.

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

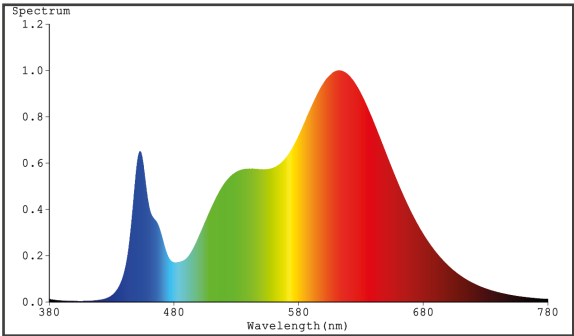
⁷ Value at tc=55°C and I=30mA.



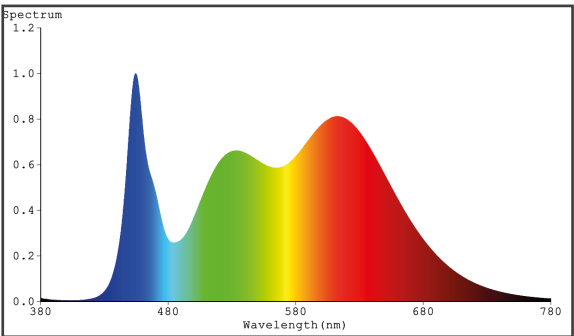
NORMALISED SPECTRAL DISTRIBUTION



● 2700 K, CRI > 90



● 3000 K, CRI > 90



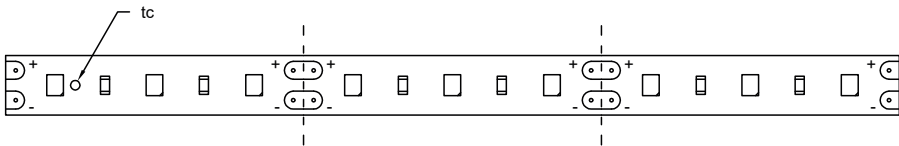
○ 4000 K, CRI > 90

CHROMATICITY REGION AND COORDINATES

CCT	MacAdam	CIE x*	CIE y*
2700 K	3 SDCM	0.463	0.421
3000 K	3 SDCM	0.436	0.399
4000 K	3 SDCM	0.381	0.375

* 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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