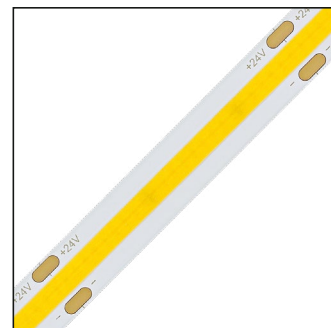


# LED strip COB 480 14W 24V IP20



- ✓ Create elegant linear lighting easily and without limitations with COB LED strips.
- ✓ Innovative COB (chip on board) technology delivers an LED strip with a continuous line of light without visible light points of individual LEDs.
- ✓ High brightness up to 1610 lm/m provides a sufficiently strong and high-quality illumination of work areas with a low percentage of unwanted blue light.
- ✓ Color rendering index of >90 ensures precise color reproduction.
- ✓ Endless application possibilities, no deep profiles or diffusers required
- ✓ Long power line up to 5 m from a single point.
- ✓ Ideal for direct and indirect interior lighting with emphasis on elegance and simplicity.
- ✓ Also suitable for creative and design installations.
- ✓ 5 year warranty.



## COLOR TEMPERATURE VARIANTS\*

Color temperature	Luminous flux <sup>1</sup>	Luminous efficacy <sup>2</sup>	Blue spectrum <sup>3</sup>	Energy eff. class	Order code
3000 K 	1480 lm/m	106 lm/W	14 %	F	10009586
4000 K 	1610 lm/m	115 lm/W	21 %	F	10009585

\*The list is not comprehensive. We also produce custom variants. For more information, please contact us at [info@tron.cz](mailto:info@tron.cz)

<sup>1</sup> Luminous flux tolerance -10/+20 %. Value at tc=25°C.

<sup>2</sup> Luminous efficacy tolerance -10/+20 %. Value at tc=25°C.

<sup>3</sup> 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 <sup>6</sup>	5 m
Power <sup>4</sup>	14 W/m	Protection	IP20
LED density	480 LED/m	Max. temperature at tc	85 °C
LED package	COB	Ambient temperature	-35 to +50 °C
Color consistency	3 SDCM	Storage temperature	-25 to +40 °C
CRI <sup>5</sup>	>90	Dimmable	YES
Beam angle	120°	Lifespan L80B50 <sup>7</sup>	>54,000 h
Light direction	TOP	Warranty	5 years
Single module	24 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)	10 m

<sup>4</sup> Power tolerance ±10 %. Value at tc=25°C.

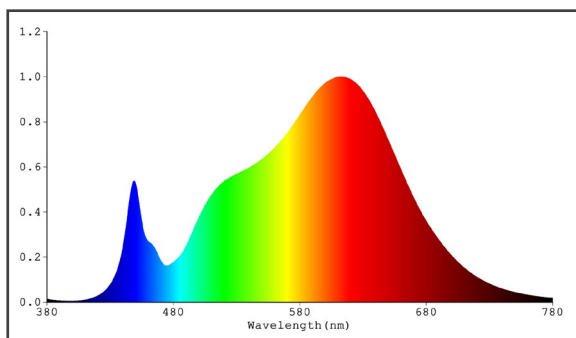
<sup>5</sup> CRI tolerance ±2 %. Value at tc=25°C.

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

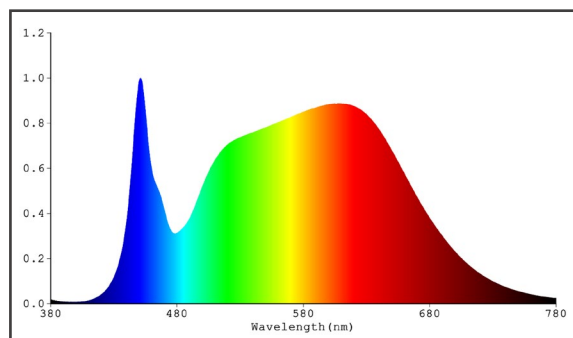
<sup>7</sup> Value at tc=55°C and I=30mA.



### NORMALISED SPECTRAL DISTRIBUTION



● 3000 K, CRI > 90



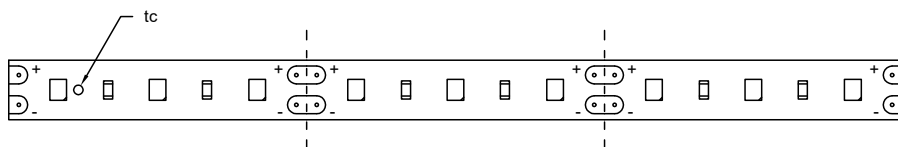
○ 4000 K, CRI > 90

### CHROMATICITY REGION AND COORDINATES

CCT	MacAdam	CIE x*	CIE y*
3000 K	3 SDCM	0.439	0.411
4000 K	3 SDCM	0.384	0.386

\* Tolerance ± 0.01. Value at tc=25°C.

### TESTING POINT tc



The testing point tc 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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