

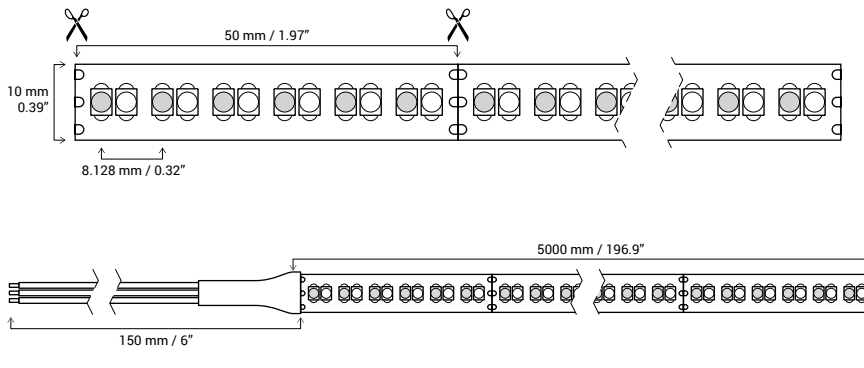
B3528-24V-240-10MM-SINGLE ROW-11.5W-TWHITE-IPXX

Specification Sheet Tunable White LED Tape



PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	3528		
Strip Width	3/8 in	10 mm (IP22)	12 mm (IP68)
Strip Total Length (Roll)	16.4 ft	5 m	
LED Linear Density	72 LED/ft	240 LED/m	1200 LED/roll total
Can be cut at every	1.97 in	50 mm	12 LED
Relative Humidity	8% to 80%	Operating Temperature	0°C to +40°C



Electrical Input

Rated Power (Max.)

CONSTANT
VOLTAGE**24V DC****58 W/roll**

ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
Rated Power (Max.)	3.5 W/ft	11.5W/m	57.5W/roll total

LIGHT OUTPUT

Setting Value	Luminous Flux (lm/ft)	Luminous Flux (lm/m)	Luminous Flux (lm/roll)	Luminous Efficacy (lm/W)
2311K	min 124.2	min 407.6	min 2038	77.2
6266K	min 140.8	min 461.8	min 2309	87.4
3636K	max 260.1	max 853.5	max 4268	79.0

PRODUCT RANGE

Part Number	Code	IP	CCT*	CRI**	R9			duv***		
					2311K	6266K	3636K	2311K	6266K	3636K
B3528-24V-240-10mm-SINGLE ROW-11.5W-TWHITE-IP22	LM00003-63	IP22	2400K-6500K	90+	57	82	93	0.0039	0.0022	-0.0068
B3528-24V-240-10mm-SINGLE ROW-11.5W-TWHITE-IP68	LM00004-23	IP68								

CCT* - Correlated Color Temperature
CRI** - Colour Rendering Index

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Test Data for 1 Meter LED Strip Length (@ 2400K)



Chroma Parameters

Chromaticity Coordinates: $x=0.5029, y=0.4277, u=0.2823, v=0.3601, duv=0.0039$
 Correlated Color Temperature: 2311K
 Dominant Wave: 585.4nm
 Purity: 79.3%
 Flux RGB Ratio: R=29.8%, G=69.5%, B=0.7%
 Peak Wave: 631.6nm
 Half Width: 129.0nm

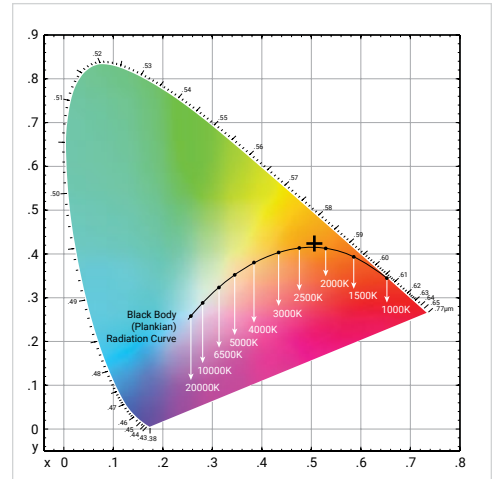
Rendering Index: Ra=91.4

R1 = 92 R2 = 95 R3 = 97 R4 = 91 R5 = 88 R6 = 92 R7 = 94 R8 = 82
 R9 = 57 R10=86 R11=92 R12=79 R13=93 R14=97 R15=87

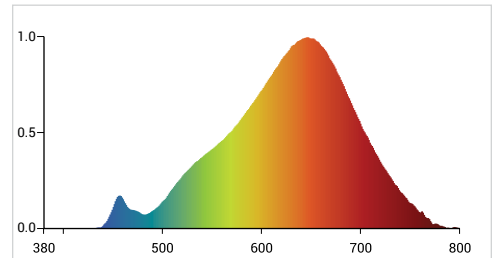
Photo Parameters

Luminous Flux: 407.64 lm
 Luminous Efficacy: 77.2 lm/W
 Radiant Flux: 1708.8 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=62.2%, G=34.2%, B=3.6%



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Test Data for 1 Meter LED Strip Length (@ 6500K)



Chroma Parameters

Chromaticity Coordinates: $x=0.3169, y=0.3312, u=0.1999, v=0.3134, duv=0.0022$
 Correlated Color Temperature: 6266K
 Dominant Wave: 490.1nm
 Purity: 5.7%
 Flux RGB Ratio: R=15.3%, G=80.2%, B=4.6%
 Peak Wave: 452.5nm
 Half Width: 24.3nm

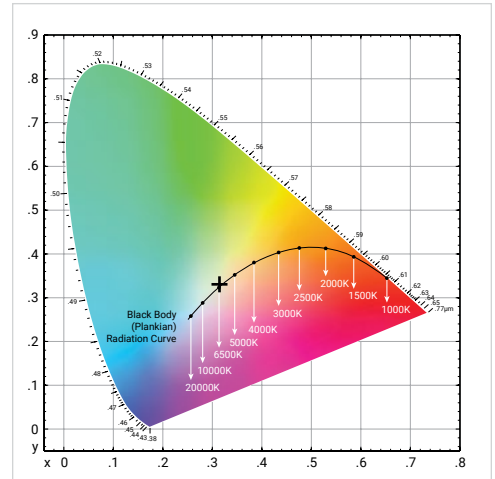
Rendering Index: Ra=93.8

R1 = 94 R2 = 97 R3 = 96 R4 = 91 R5 = 92 R6 = 92 R7 = 96 R8 = 93
 R9 = 82 R10=91 R11=91 R12=65 R13=97 R14=98 R15=94

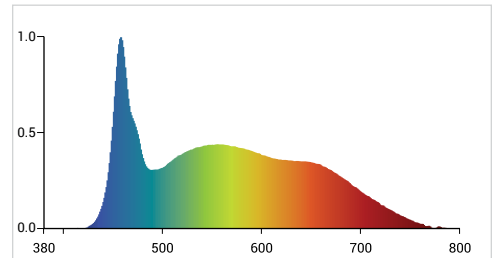
Photo Parameters

Luminous Flux: **461.83 lm**
 Luminous Efficacy: 87.4 lm/W
 Radiant Flux: 1907.7 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=30.5%, G=42.3%, B=27.2%



B3528-24V-240-10MM-SINGLE ROW-11.5W-TWHITE-IPXX

Test Data for 1 Meter LED Strip Length (@ 3800)



Chroma Parameters

Chromaticity Coordinates: $x=0.3917, y=0.3690, u=0.2358, v=0.3332, duv=-0.0068$
 Correlated Color Temperature: 3636K
 Dominant Wave: 584.2nm
 Purity: 28.3%
 Flux RGB Ratio: R=22.1%, G=75.0%, B=2.8%
 Peak Wave: 452.5nm
 Half Width: 25.6nm

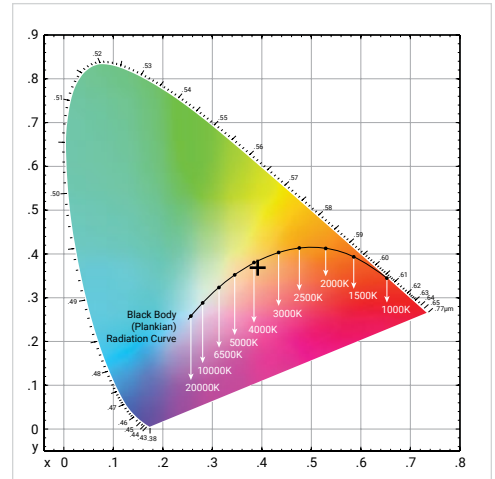
Rendering Index: Ra=96.8

R1 = 98 R2 = 98 R3 = 98 R4 = 97 R5 = 97 R6 = 94 R7 = 96 R8 = 96
 R9 = 93 R10=98 R11=96 R12=77 R13=98 R14=98 R15=98

Photo Parameters

Luminous Flux: 853.47 lm
 Luminous Efficacy: 79.0 lm/W
 Radiant Flux: 3714.9 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=46.2%, G=37.6%, B=16.2%

