

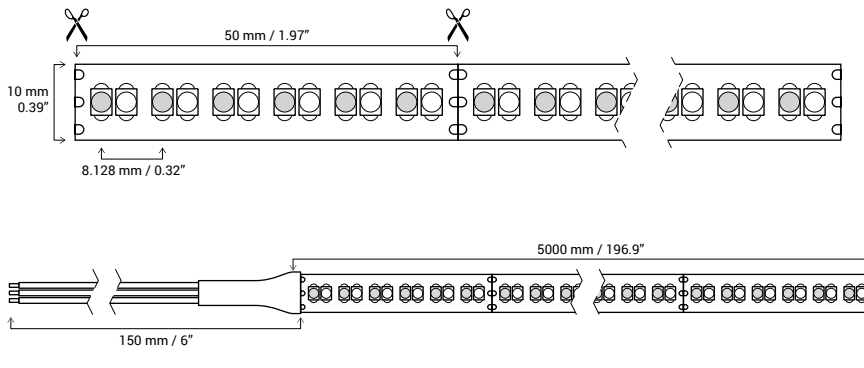
## B3528-24V-240-10MM-SINGLE ROW-19.2W-TWHITE-IPXX

### 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	<b>24V DC</b>	<b>96 W/roll</b>
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#### ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
<b>Rated Power (Max.)</b>	<b>6 W/ft</b>	<b>19.2W/m</b>	<b>96W/roll total</b>

#### LIGHT OUTPUT

Setting Value	Luminous Flux (lm/ft)	Luminous Flux (lm/m)	Luminous Flux (lm/roll)	Luminous Efficacy (lm/W)
2400K	min 213.9	min 701.84	min 3509	73.1
6500K	min 234.5	min 769.32	min 3847	82.1
<b>3800K</b>	<b>max 452.7</b>	<b>max 1485.38</b>	<b>max 7427</b>	77.3

#### PRODUCT RANGE

Part Number	Code	IP	CCT*	CRI**	R9				duv***		
					2400K	6500K	3800K	2400K	6500K	3800K	
B3528-24V-240-10mm-SINGLE ROW-19.2W-TWHITE-IP22	LM00002-91	IP22	2400K-6500K	90+	52	84	95	0.0033	-0.0005	-0.0094	
B3528-24V-240-10mm-SINGLE ROW-19.2W-TWHITE-IP68	LM00002-98	IP68									

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

Office & Showroom:  
9221, rue Edison, Montreal, Quebec, H1J 1T4, Canada

Toll Free: 1-855-384-3384  
E-mail: info@lumentruss.com  
www.lumentruss.com

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# B3528-24V-240-10MM-SINGLE ROW-19.2W-TWHITE-IPXX

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



### Chroma Parameters

Chromaticity Coordinates:  $x=0.4997, y=0.4255, u=0.2813, v=0.3592, duv=0.0033$   
 Correlated Color Temperature: 2329K  
 Dominant Wave: 585.4nm  
 Purity: 77.7%  
 Flux RGB Ratio: R=29.4%, G=69.8%, B=0.8%  
 Peak Wave: 628.5nm  
 Half Width: 131.0nm

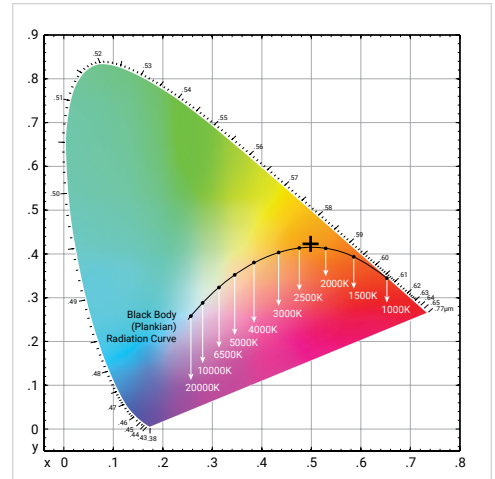
### Rendering Index: Ra=90.3

R1 = 89 R2 = 93 R3 = 96 R4 = 93 R5 = 91 R6 = 94 R7 = 90 R8 = 77  
 R9 = 52 R10=84 R11=94 R12=79 R13=89 R14=96 R15=84

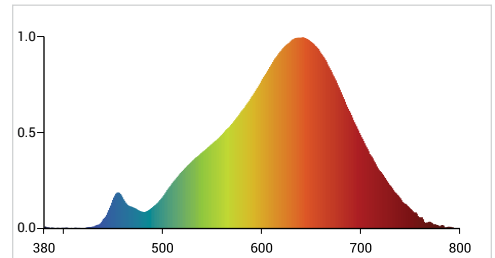
### Photo Parameters

**Luminous Flux: 701.84 lm**  
 Luminous Efficacy: 73.1 lm/W  
 Radiant Flux: 3085.6 mW  
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=61.1%, G=34.5%, B=4.4%



# B3528-24V-240-10MM-SINGLE ROW-19.2W-TWHITE-IPXX

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



### Chroma Parameters

Chromaticity Coordinates:  $x=0.3147, y=0.3238, u=0.2012, v=0.3106, duv=-0.0005$   
 Correlated Color Temperature: 6435K  
 Dominant Wave: 484.9nm  
 Purity: 7.0%  
 Flux RGB Ratio: R=15.4%, G=80.0%, B=4.6%  
 Peak Wave: 452.5nm  
 Half Width: 26.5nm

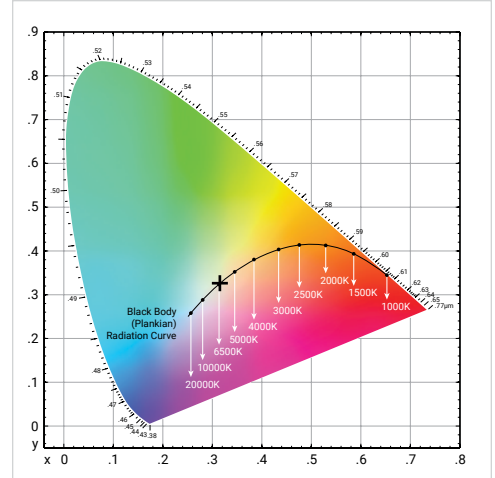
### Rendering Index: Ra=94.3

R1 = 95   R2 = 97   R3 = 95   R4 = 94   R5 = 93   R6 = 91   R7 = 96   R8 = 93  
 R9 = 84   R10=91   R11=94   R12=67   R13=97   R14=97   R15=95

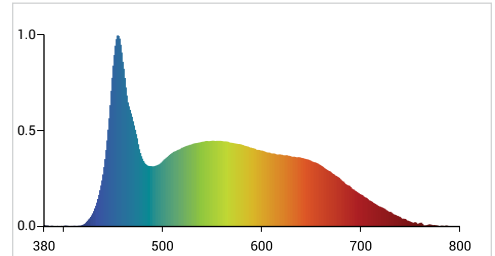
### Photo Parameters

**Luminous Flux:** 769.32 lm  
 Luminous Efficacy: 82.1 lm/W  
 Radiant Flux: 3524.8 mW  
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=29.7%, G=41.8%, B=28.5%



# B3528-24V-240-10MM-SINGLE ROW-19.2W-TWHITE-IPXX

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



### Chroma Parameters

Chromaticity Coordinates:  $x=0.3838, y=0.3592, u=0.2346, v=0.3294, duv=-0.0094$   
 Correlated Color Temperature: 3765K  
 Dominant Wave: 586.3nm  
 Purity: 23.0%  
 Flux RGB Ratio: R=21.9%, G=75.0%, B=3.0%  
 Peak Wave: 452.5nm  
 Half Width: 27.5nm

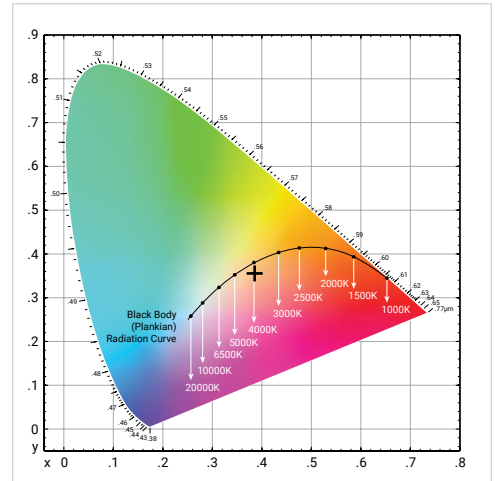
### Rendering Index: Ra=96.3

R1 = 97 R2 = 97 R3 = 97 R4 = 98 R5 = 97 R6 = 93 R7 = 95 R8 = 96  
 R9 = 95 R10=96 R11=96 R12=79 R13=97 R14=98 R15=97

### Photo Parameters

**Luminous Flux: 1485.38 lm**  
 Luminous Efficacy: 77.3 lm/W  
 Radiant Flux: 6690.0 mW  
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=44.4%, G=37.7%, B=17.9%

