

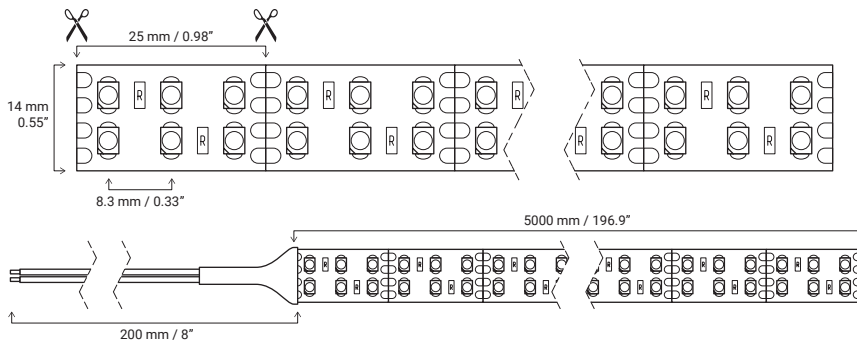
# B3528-24V-240-14mm-19.5W-XXK-IPYY

## Specification Sheet



### PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	3528		
Strip Width	11/20 in	14 mm	
Strip Total Length (Roll)	16.4 ft	5 m	
LED Linear Density	73.2 LED/ft	240 LED/m	1200 LED/roll total
Can be cut at every	0.98 in	25 mm	6 LED
Lifespan	50 000 Hrs		



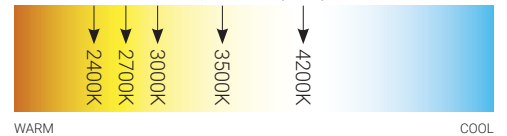
### ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
Rated Power (Max.)	5.9 W/ft	19.2 W/m	96 W/roll total



Electrical Input	Rated Power (Max.)
<b>CONSTANT VOLTAGE 24V DC</b>	<b>96 W/roll</b>

### Correlated Color Temperature (CCT)



### PRODUCT RANGE

Part Number	Code	IP	CCT*	Luminous Flux			Luminous Efficacy	CRI**	R9	duv***
B3528-24V-240-14mm-19.5W-2400K-IP22	LM28194	IP22	2400K	-	-	-	-	-	-	-
B3528-24V-240-14mm-19.5W-2400K-IP68		IP68	(Candle Light)	-	-	-	-	-	-	-
B3528-24V-240-14mm-19.5W-2700K-IP22	LM28195	IP22	2700K	-	-	-	-	-	-	-
B3528-24V-240-14mm-19.5W-2700K-IP68	LM28197	IP68	(Soft White)	-	-	-	-	-	-	-
B3528-24V-240-14mm-19.5W-3000K-IP22	LM28201	IP22	3000K	387.8 lm/ft	1272.5 lm/m	6363 lm/roll	80.03 lm/W	92	62	0.0010
B3528-24V-240-14mm-19.5W-3000K-IP68	LM28203	IP68	(Warm White)	-	-	-	-	-	-	-
B3528-24V-240-14mm-19.5W-3500K-IP22	LM28211	IP22	3500K	388.5 lm/ft	1274.6 lm/m	6373 lm/roll	80.01 lm/W	94.9	87	-0.0000
B3528-24V-240-14mm-19.5W-3500K-IP68	LM28213	IP68	(Bright White)	-	-	-	-	-	-	-
B3528-24V-240-14mm-19.5W-4200K-IP22	LM28221	IP22	4200K	431.7 lm/ft	1416.4 lm/m	7082 lm/roll	81.4 lm/W	93	79	0.0011
B3528-24V-240-14mm-19.5W-4200K-IP68	LM28223	IP68	(Neutral White)	-	-	-	-	-	-	-

Other CCT available upon request. Please contact your authorized representative.

CCT\* - Correlated Color Temperature  
 CRI\*\* - Colour Rendering Index  
 duv\*\*\* - Black-body Curve Deviation

Office & Showroom:  
 6068 Metropolitan East, Montreal, Quebec, H1S 1A9, Canada

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

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**B3528-24V-240-14mm-19.5W-2400K-IP22/IP68**  
Test Data for 1 Meter LED Strip Length



**Coming Soon**

**B3528-24V-240-14mm-19.5W-2700K-IP22/IP68**  
Test Data for 1 Meter LED Strip Length



**Coming Soon**

# B3528-24V-240-14mm-19.5W-3000K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.4265, y=0.4028, u=0.2444, v=0.3462, duv=0.0010$   
 Correlated Color Temperature: 3067K  
 Dominant Wave.: 581.7nm  
 Purity: 48.9%  
 Flux RGB Ratio: R=23.0%, G=75.3%, B=1.8%  
 Peak Wave: 624.6nm  
 Half Width: 174.7nm

### Rendering Index: Ra=92

R1=92 R2=94 R3=95 R4=93 R5=92 R6=92 R7=94 R8=84  
 R9=62 R10=86 R11=93 R12=75 R13=92 R14=97 R15=89

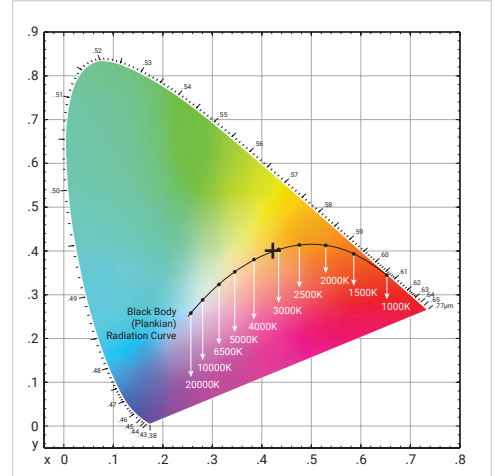
### Photo Parameters

Luminous Flux: 1272.5 lm  
 Luminous Efficacy: 80.03 lm/W  
 Radiant Flux: 4170.4 mW  
 Iv: 0.0 mcd

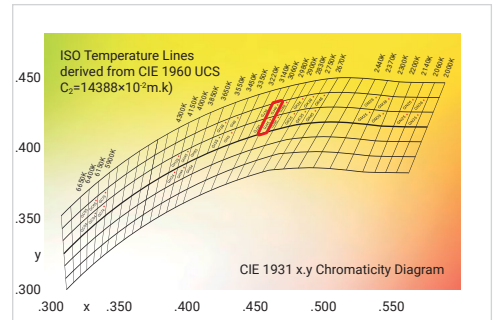
### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.66A  
 Power: P=15.9W  
 Power Factor: PF=1.000

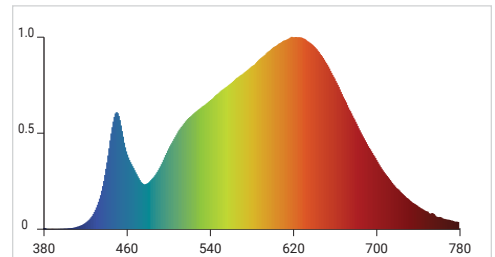
C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=49.3%, G=39.6%, B=11.1%



# B3528-24V-240-14mm-19.5W-3500K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.4030, y=0.3895, u=0.2347, v=0.3403, duv=-0.0000$   
 Correlated Color Temperature: 3598K  
 Dominant Wave.: 580.7nm  
 Purity: 37.9%  
 Flux RGB Ratio: R=21.6%, G=76.3%, B=2.1%  
 Peak Wave: 634.8nm  
 Half Width: 190.4nm

### Rendering Index: Ra=94.9

R1=96 R2=96 R3=93 R4=95 R5=94 R6=92 R7=97 R8=96  
 R9=87 R10=88 R11=95 R12=74 R13=96 R14=95 R15=97

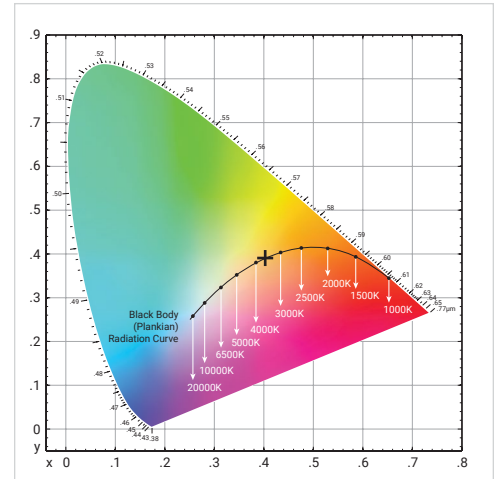
### Photo Parameters

Luminous Flux: 1274.6 lm  
 Luminous Efficacy: 80.01 lm/W  
 Radiant Flux: 4280.7 mW  
 Iv: 0.0 mcd

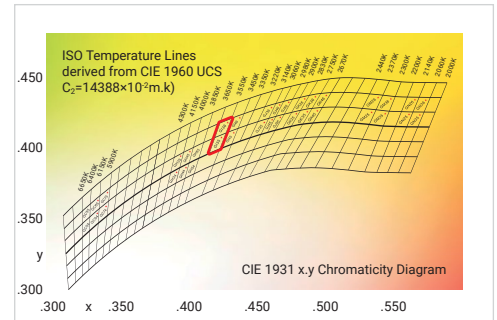
### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.66A  
 Power: P=15.93W  
 Power Factor: PF=1.000

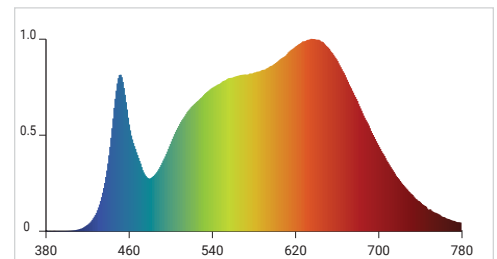
C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=48.6%, G=38.3%, B=13.1%



# B3528-24V-240-14mm-19.5W-4200K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.3796, y=0.3786, u=0.2239, v=0.3348, duv=0.0011$   
 Correlated Color Temperature: 4231K  
 Dominant Wave.: 578.3nm  
 Purity: 27.6%  
 Flux RGB Ratio: R=19.5%, G=78.0%, B=2.6%  
 Peak Wave: 450.5nm  
 Half Width: 25.4nm

### Rendering Index: Ra=93

R1=94 R2=94 R3=93 R4=93 R5=92 R6=89 R7=97 R8=93  
 R9=79 R10=84 R11=92 R12=68 R13=94 R14=95 R15=93

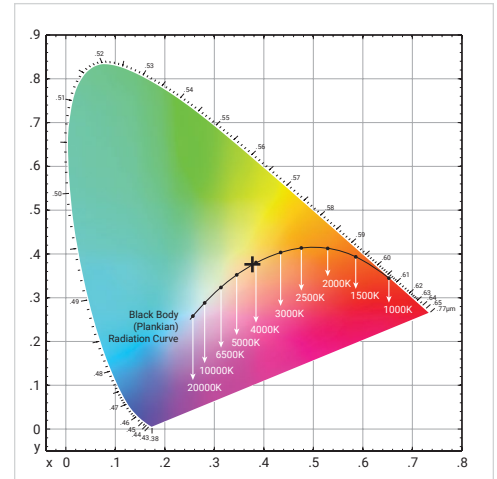
### Photo Parameters

Luminous Flux: 1416.4 lm  
 Luminous Efficacy: 81.4 lm/W  
 Radiant Flux: 4781.8 mW  
 Iv: 0.0 mcd

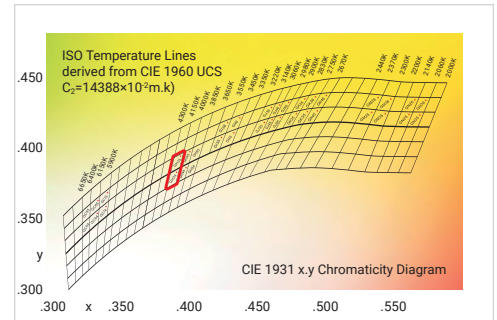
### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.73A  
 Power: P=17.4W  
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=43.0%, G=40.6%, B=16.4%

