

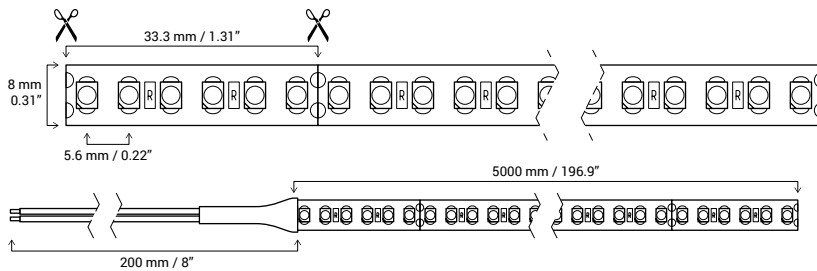
# B3528-24V-180-8mm-14.5W-XXK-IPYY

## Specification Sheet



### PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	3528		
Strip Width	5/16 in	8 mm	
Strip Total Length (Roll)	16.4 ft	5 m	
LED Linear Density	54.9 LED/ft	180 LED/m	900 LED/roll total
Can be cut at every	1.31 in	33.3 mm	6 LED
Lifespan	50 000 Hrs		



### ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
Rated Power (Max.)	4.4 W/ft	14.5 W/m	73 W/roll total

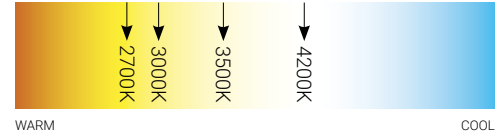


Electrical Input

Rated Power (Max.)

CONSTANT VOLTAGE	<b>24V DC</b>	<b>73 W/roll</b>
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Correlated Color Temperature (CCT)



### PRODUCT RANGE

Part Number	Code	IP	CCT*	Luminous Flux			Luminous Efficacy	CRI**	R9	duv***
B3528-24V-180-8mm-14.5W-2700K-IP22	LM41271-35	IP22	2700K	-	-	-	-	-	-	-
B3528-24V-180-8mm-14.5W-2700K-IP68	LM41271-95	IP68	(Soft White)	-	-	-	-	-	-	-
B3528-24V-180-8mm-14.5W-3000K-IP22	LM41272-35	IP22	3000K	266.4 lm/ft	874.2 lm/m	4371 lm/roll	80.2 lm/W	92.3	69	0.0002
B3528-24V-180-8mm-14.5W-3000K-IP68	LM41272-94	IP68	(Warm White)	-	-	-	-	-	-	-
B3528-24V-180-8mm-14.5W-3500K-IP22	LM41272-36	IP22	3500K	274.8 lm/ft	901.6 lm/m	4508 lm/roll	80.5 lm/W	95	88	0.0002
B3528-24V-180-8mm-14.5W-3500K-IP68	LM41272-95	IP68	(Bright White)	-	-	-	-	-	-	-
B3528-24V-180-8mm-14.5W-4200K-IP22	LM41274-36	IP22	4200K	282.8 lm/ft	927.8 lm/m	4639 lm/roll	80.5 lm/W	94	83	0.0001
B3528-24V-180-8mm-14.5W-4200K-IP68	LM41274-95	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

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**B3528-24V-180-8mm-14.5W-2700K-IP22/IP68**  
Test Data for 1 Meter LED Strip Length



**Coming Soon**

# B3528-24V-180-8mm-14.5W-3000K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.4249, y=0.4000, u=0.2445, v=0.3453, duv=0.0002$   
 Correlated Color Temperature: 3069K  
 Dominant Wave.: 582.0nm  
 Purity: 47.6%  
 Flux RGB Ratio: R=23.1%, G=75.0%, B=1.9%  
 Peak Wave: 626.6nm  
 Half Width: 176.8nm

### Rendering Index: Ra=92.3

R1=93 R2=95 R3=95 R4=95 R5=93 R6=92 R7=93 R8=86  
 R9=69 R10=87 R11=95 R12=75 R13=93 R14=96 R15=90

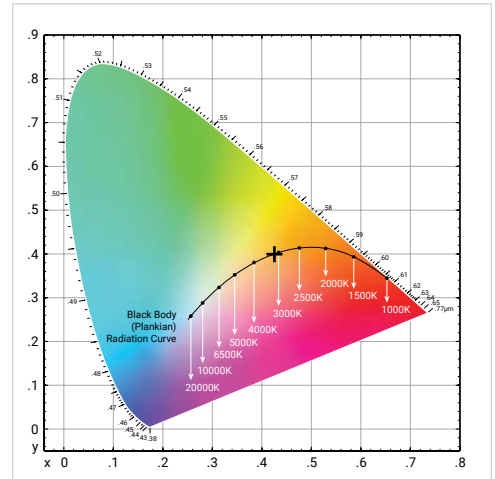
### Photo Parameters

Luminous Flux: 874.2 lm  
 Luminous Efficacy: 80.2 lm/W  
 Radiant Flux: 3028.5 mW  
 Iv: 0.0 mcd

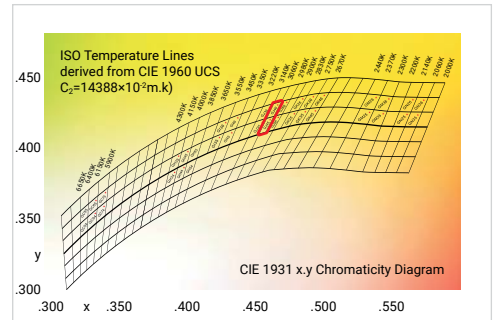
### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.4542A  
 Power: P=10.9W  
 Power Factor: PF=1.000

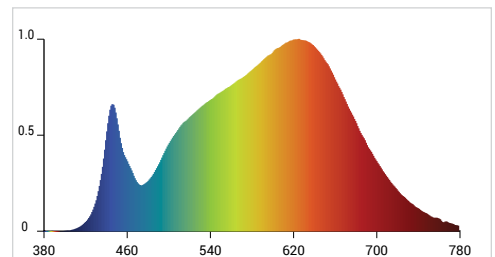
C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=49.8%, G=38.9%, B=11.4%



# B3528-24V-180-8mm-14.5W-3500K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.4039, y=0.3895, u=0.2353, v=0.3404, duv=-0.0002$   
 Correlated Color Temperature: 3606K  
 Dominant Wave.: 580.9nm  
 Purity: 38.1%  
 Flux RGB Ratio: R=21.7%, G=76.1%, B=2.1%  
 Peak Wave: 637.7nm  
 Half Width: 190.9nm

### Rendering Index: Ra=95.0

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

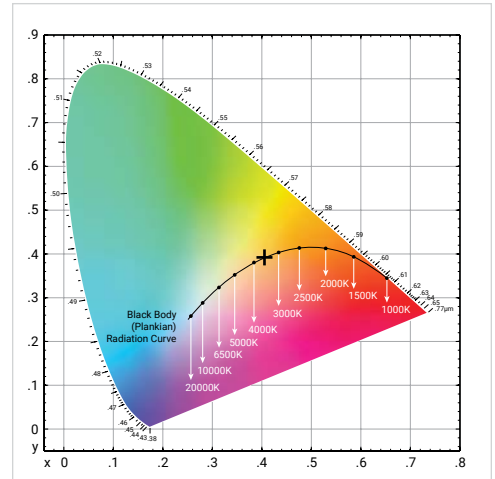
### Photo Parameters

Luminous Flux: 901.6 lm  
 Luminous Efficacy: 80.5 lm/W  
 Radiant Flux: 3252.8 mW  
 Iv: 0.0 mcd

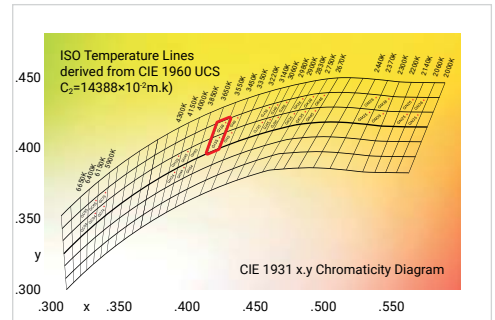
### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.4667A  
 Power: 11.2W  
 Power Factor: PF=1.000

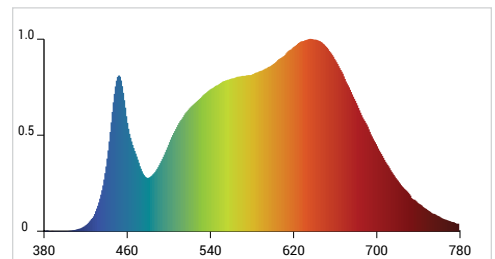
C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=48.8%, G=38.1%, B=13.1%



# B3528-24V-180-8mm-14.5W-4200K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.3776, y=0.3751, u=0.2239, v=0.3336, duv=0.0001$   
 Correlated Color Temperature: 4208K  
 Dominant Wave.: 578.8nm  
 Purity: 25.9%  
 Flux RGB Ratio: R=19.6%, G=77.8%, B=2.6%  
 Peak Wave: 452.1nm  
 Half Width: 24.7nm

### Rendering Index: Ra=94.0

R1=95 R2=95 R3=93 R4=94 R5=93 R6=90 R7=98 R8=94  
 R9=83 R10=87 R11=93 R12=69 R13=95 R14=96 R15=95

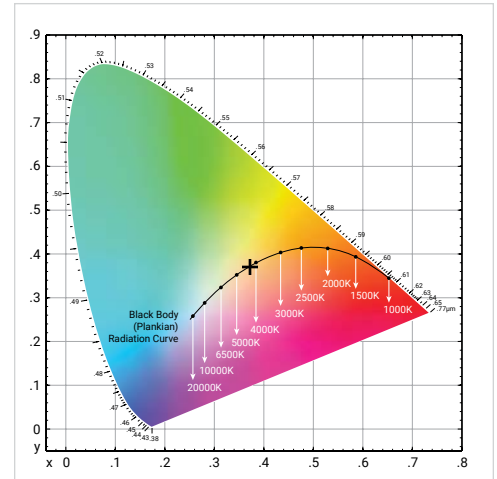
### Photo Parameters

Luminous Flux: 927.8 lm  
 Luminous Efficacy: 79.3 lm/W  
 Radiant Flux: 3290.3 mW  
 Iv: 0.0 mcd

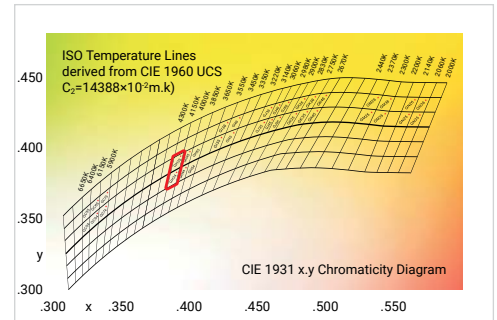
### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.4875A  
 Power: P=11.7W  
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=42.9%, G=40.3%, B=16.8%

