

# B3528-24V-180H-5mm-14.5W-3500K-IP22

## Specification Sheet



### PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	3528		
Strip Width	1/5 in	5 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		
IP Code (IEC standard 60529)	IP22		

### 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

### LIGHTING

Luminous Flux	<b>274.8 lm/ft</b>	<b>901.6 lm/m</b>	<b>4508 lm/roll total</b>
Luminous Efficacy	<b>80.5 lm/W</b>		
Correlated Color Temperature	<b>3500K (Bright White)</b>		
Colour Rendering Index	<b>95</b>		
R9	<b>88</b>		
duv (black-body curve deviation)	<b>0.0002</b>		



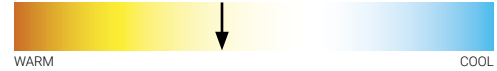
Electrical Input

Rated Power (Max.)

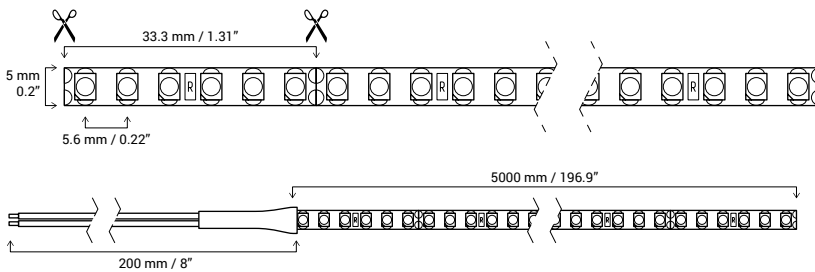
CONSTANT VOLTAGE	<b>24V DC</b>	<b>73 W/roll</b>
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Correlated Color Temperature (CCT)

3500K



### DIMENSIONS



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## 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

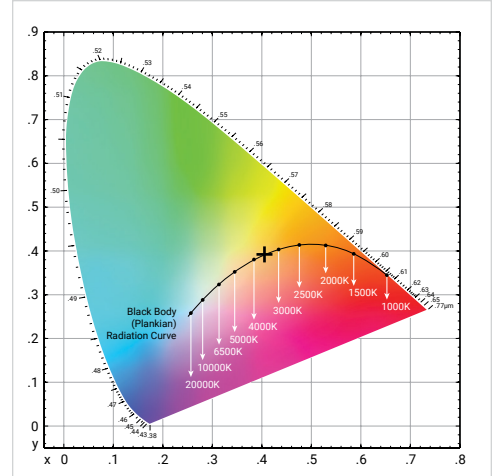
### Photo Parameters

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

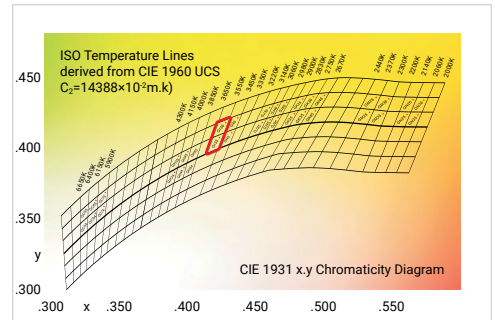
### Electrical Parameters

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%

