

## B3528-12V-120-8mm-9.6W-3000K-IP22

### 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	36.6 LED/ft	120 LED/m	600 LED/roll total
Can be cut at every	0.98 in	25mm	3 LED
Lifespan	50 000 Hrs		
IP Code (IEC standard 60529)	IP22		

#### ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	12V DC		
Rated Power (Max.)	2.9 W/ft	9.6 W/m	48 W/roll total

#### LIGHTING

Luminous Flux	<b>193.8 lm/ft</b>	635.9 lm/m	3180 lm/roll total
Luminous Efficacy	<b>83.9 lm/W</b>		
Correlated Color Temperature	<b>3000K (Warm White)</b>		
Colour Rendering Index	<b>92.1</b>		
R9	<b>62</b>		
dUV (black-body curve deviation)	<b>0.0010</b>		



Electrical Input

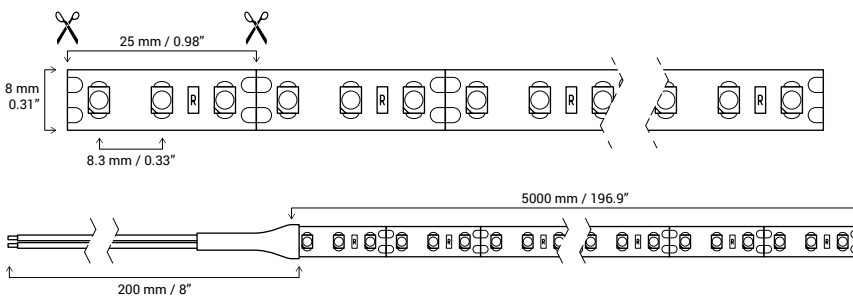
Rated Power (Max.)

CONSTANT VOLTAGE **12V DC** **48 W/roll**

Correlated Color Temperature (CCT) **3000K**



#### DIMENSIONS



## B3528-12V-120-8mm-9.6W-3000K-IP22

### Test Data for 1 Meter LED Strip Length



#### Chroma Parameters

Chromaticity Coordinates: x=0.4295, y=0.4039, u=0.2459, v=0.3468, duv=0.0010  
 Correlated Color Temperature: 3062K  
 Dominant Wave.: 581.9nm  
 Purity: 50.2%  
 Flux RGB Ratio: R=23.2%, G=75.0%, B=1.8%  
 Peak Wave: 626.6nm  
 Half Width: 173.3nm

#### Rendering Index: Ra=92.1

R1=92 R2=95 R3=96 R4=92 R5=91 R6=92 R7=94 R8=84  
 R9=62 R10=87 R11=92 R12=75 R13=93 R14=97 R15=89

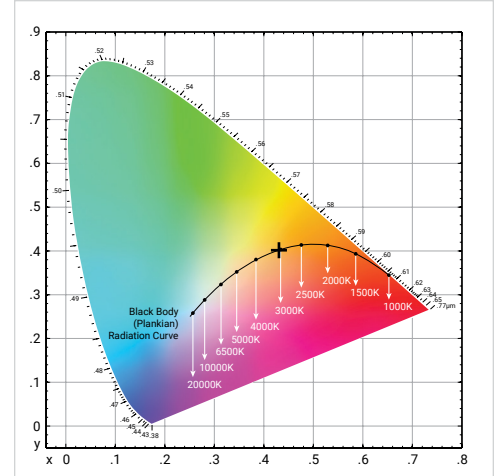
#### Photo Parameters

Luminous Flux: 635.93 lm  
 Luminous Efficacy: 83.9 lm/W  
 Radiant Flux: 2228.86 mW  
 Iv: 0.0 mcd

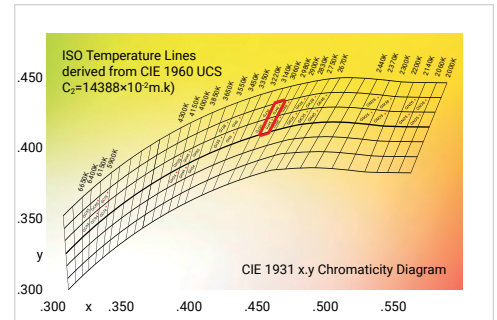
#### Electrical Parameters

Voltage: U=12.000V  
 Current: I=0.6317A  
 Power: P=7.58W  
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=49.9%, G=39.4%, B=10.7%

