

B3528-12V-120-8mm-9.6W-3500K-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	192.4 lm/ft	631.2 lm/m	3156 lm/roll total
Luminous Efficacy	85.3 lm/W		
Correlated Color Temperature	3500K (Bright White)		
Colour Rendering Index	93.9		
R9	73		
duv (black-body curve deviation)	0.0012		



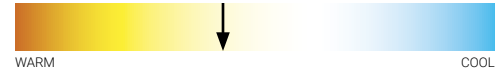
Electrical Input

Rated Power (Max.)

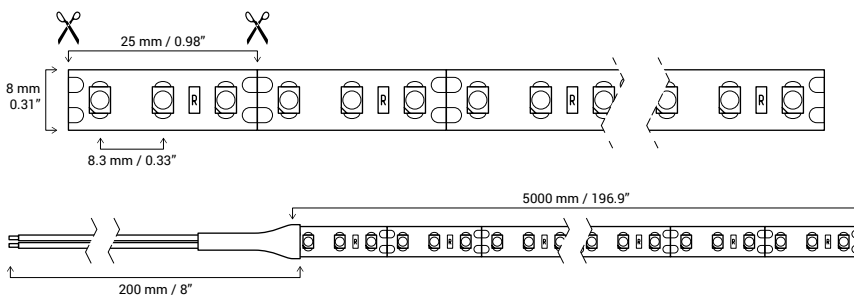
CONSTANT VOLTAGE 12V DC 48 W/roll

Correlated Color Temperature (CCT)

3500K



DIMENSIONS



B3528-12V-120-8mm-9.6W-3500K-IP22

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4044, y=0.3931, u=0.2342, v=0.3414, duv=0.0012$
 Correlated Color Temperature: 3624K
 Dominant Wave.: 578.2nm
 Purity: 39.4%
 Flux RGB Ratio: R=20.1%, G=77.9%, B=2.1%
 Peak Wave: 598.7nm
 Half Width: 145.3nm

Rendering Index: Ra=93.9

R1=95 R2=95 R3=94 R4=94 R5=94 R6=92 R7=97 R8=96
 R9=73 R10=88 R11=95 R12=75 R13=96 R14=96 R15=97

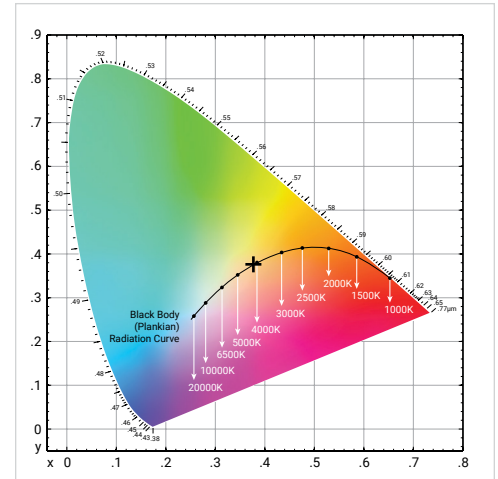
Photo Parameters

Luminous Flux: 631.2 lm
 Luminous Efficacy: 85.3 lm/W
 Radiant Flux: 1924.86 mW
 Iv: 0.0 mcd

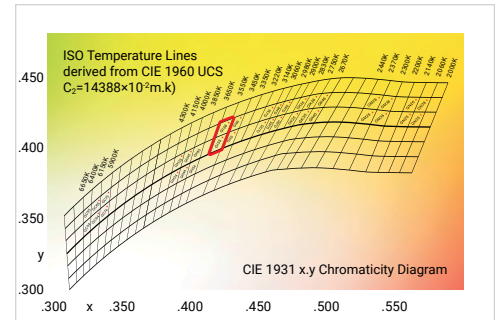
Electrical Parameters

Voltage: U=12.000V
 Current: I=0.62A
 Power: P=7.40W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=43.1%, G=40.6%, B=16.3%

