

B3528-12V-120-8mm-9.6W-4200K-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 | 232.1 lm/ft | 761.4 lm/m | 3807 lm/roll total |
| Luminous Efficacy | 84.6 lm/W | | |
| Correlated Color Temperature | 4200K (Neutral White) | | |
| Colour Rendering Index | 93.2 | | |
| R9 | 81 | | |
| duv (black-body curve deviation) | 0.0012 | | |



Electrical Input

Rated Power (Max.)

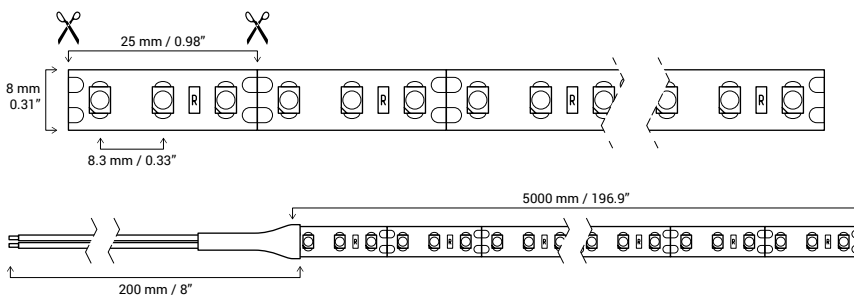
CONSTANT VOLTAGE 12V DC **48 W/roll**

Correlated Color Temperature (CCT)

4200K



DIMENSIONS



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Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3786, y=0.378, u=0.2234, v=0.3346, duv=0.0012$
 Correlated Color Temperature: 4212K
 Dominant Wave.: 578.2nm
 Purity: 27.1%
 Flux RGB Ratio: R=19.4%, G=78.1%, B=2.5%
 Peak Wave: 451.6nm
 Half Width: 24.9nm

Rendering Index: Ra=93.2

R1=94 R2=94 R3=92 R4=93 R5=92 R6=90 R7=98 R8=94
 R9=81 R10=84 R11=92 R12=68 R13=94 R14=95 R15=94

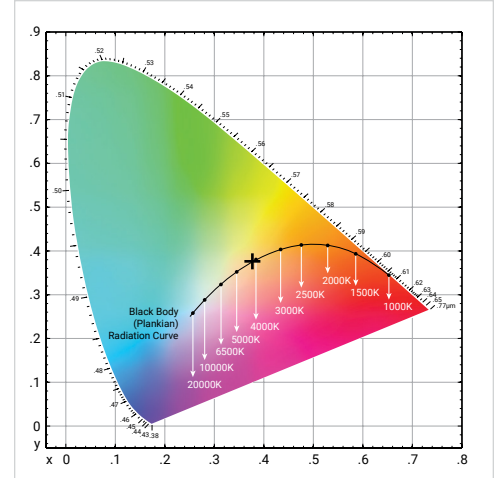
Photo Parameters

Luminous Flux: 761.4 lm
 Luminous Efficacy: 84.6 lm/W
 Radiant Flux: 2498.3 mW
 Iv: 0.0 mcd

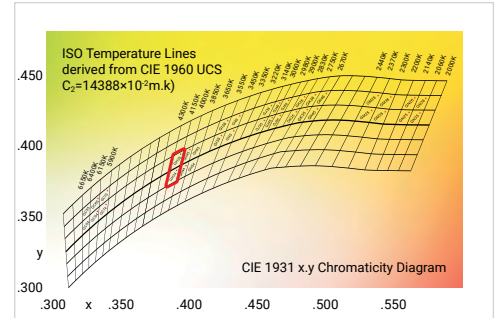
Electrical Parameters

Voltage: U=12.000V
 Current: I=0.7500A
 Power: P=9.00W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



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

