

B5050-12V-60-10mm-14.4W-4200K-IP22

Specification Sheet



PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	5050		
Strip Width	2/5 in	10 mm	
Strip Total Length (Roll)	16.4 ft	5 m	
LED Linear Density	18.3 LED/ft	60 LED/m	300 LED/roll total
Can be cut at every	1.97 in	50 mm	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.)	4.4 W/ft	14.4 W/m	72 W/roll total

LIGHTING

Luminous Flux	340.55 lm/ft	1117.34 lm/m	5587 lm/roll total
Luminous Efficacy	82.4 lm/W		
Correlated Color Temperature	4200K (Neutral White)		
Colour Rendering Index	93.1		
R9	96		
duv (black-body curve deviation)	0.0005		



Electrical Input

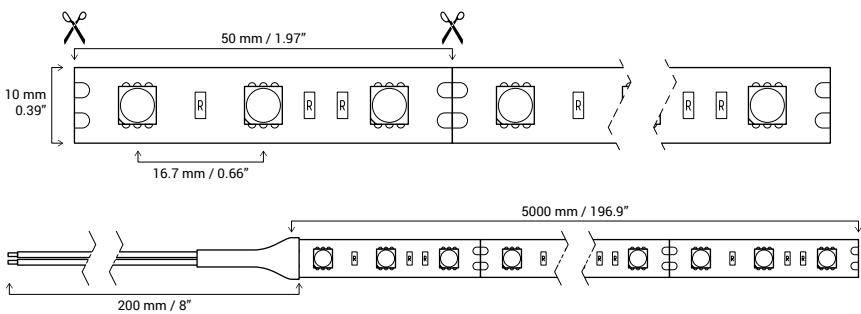
Rated Power (Max.)

CONSTANT VOLTAGE **12V DC** **72 W/roll**

Correlated Color Temperature (CCT) 4200K



DIMENSIONS



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Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3796, y=0.3774, u=0.2243, v=0.3345, duv=0.0005$
 Correlated Color Temperature: 4215K
 Dominant Wave.: 578.7nm
 Purity: 27.2%
 Flux RGB Ratio: R=19.7%, G=77.6%, B=2.7%
 Peak Wave: 452.7nm
 Half Width: 27.9nm

Rendering Index: Ra=93.1

R1=96 R2=96 R3=95 R4=93 R5=91 R6=88 R7=95 R8=93
 R9=96 R10=88 R11=92 R12=68 R13=96 R14=97 R15=94

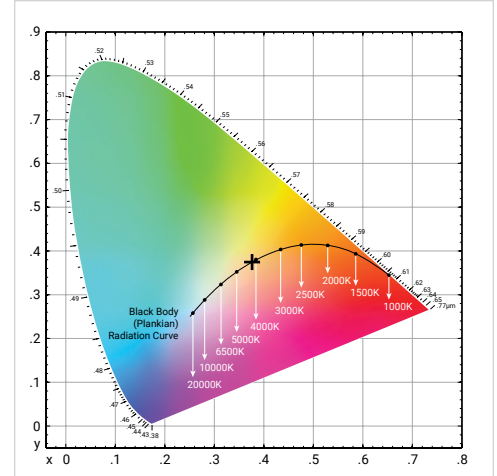
Photo Parameters

Luminous Flux: 1117.3 lm
 Luminous Efficacy: 82.4 lm/W
 Radiant Flux: 3910.89 mW
 Iv: 0.0 mcd

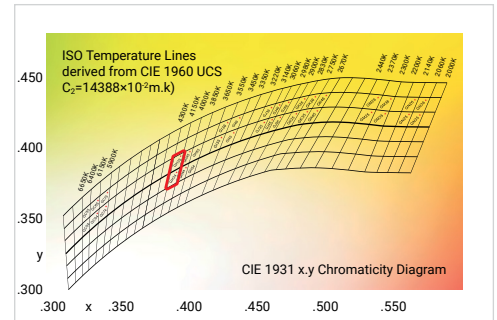
Electrical Parameters

Voltage: U=12.000V
 Current: I=1.13A
 Power: P=13.56W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=43.2%, G=40.0%, B=16.8%

