

B5050-12V-60-10mm-14.4W-3000K-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	303.48 lm/ft	995.72 lm/m	4979 lm/roll total
Luminous Efficacy	80.31 lm/W		
Correlated Color Temperature	3000K (Warm White)		
Colour Rendering Index	92.3		
R9	64		
duv (black-body curve deviation)	0.0024		



Electrical Input

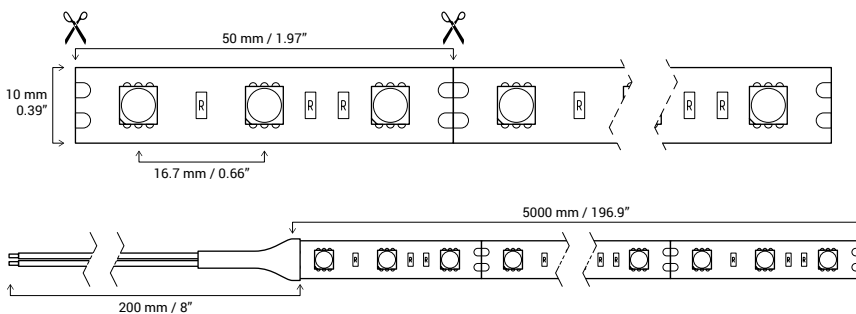
Rated Power (Max.)

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

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



DIMENSIONS



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Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4327, y=0.4086, u=0.2459, v=0.3483, duv=0.0024$
 Correlated Color Temperature: 3074K
 Dominant Wave.: 581.5nm
 Purity: 52.5%
 Flux RGB Ratio: R=23.3%, G=75.0%, B=1.7%
 Peak Wave: 626.6nm
 Half Width: 173.8nm

Rendering Index: Ra=92.3

R1=92 R2=94 R3=96 R4=93 R5=91 R6=92 R7=94 R8=85
 R9=64 R10=86 R11=93 R12=74 R13=92 R14=97 R15=89

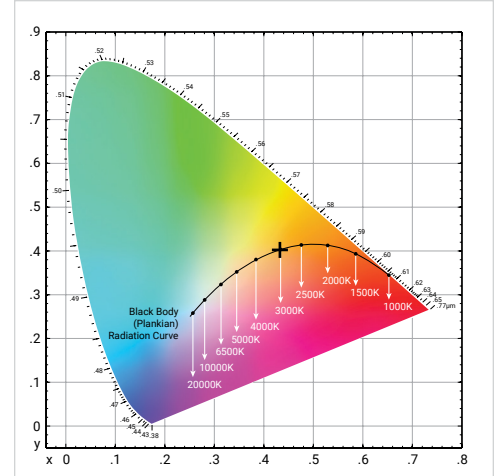
Photo Parameters

Luminous Flux: 995.7 lm
 Luminous Efficacy: 80.3 lm/W
 Radiant Flux: 3464.18 mW
 Iv: 0.0 mcd

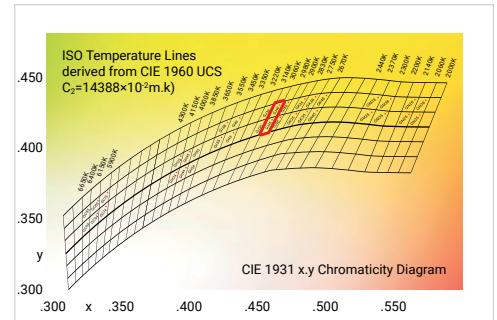
Electrical Parameters

Voltage: U=12.000V
 Current: I=1.033A
 Power: P=12.4W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=50.5%, G=39.3%, B=10.2%

