

B5050-12V-60-10mm-14.4W-3500K-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	309.22 lm/ft	1014.56 lm/m	5073 lm/roll total
Luminous Efficacy	81.1 lm/W		
Correlated Color Temperature	3500K (Bright White)		
Colour Rendering Index	92.6		
R9	68		
duv (black-body curve deviation)	0.0010		



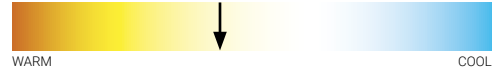
Electrical Input

Rated Power (Max.)

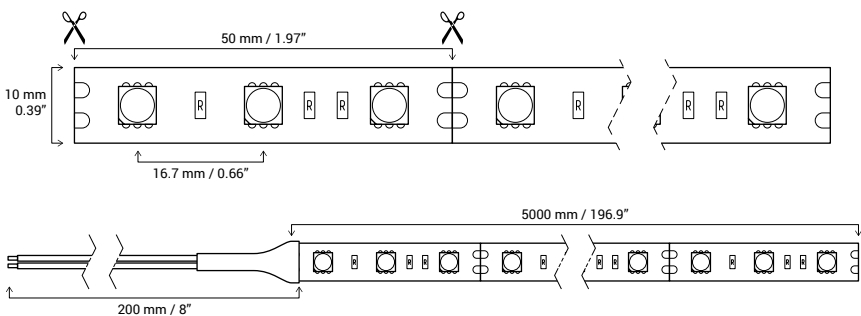
CONSTANT VOLTAGE **12V DC** **72 W/roll**

Correlated Color Temperature (CCT)

3500K



DIMENSIONS



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Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3981, y=0.3893, u=0.2316, v=0.3397, duv=0.0010$
 Correlated Color Temperature: 3652K
 Dominant Wave.: 579.9nm
 Purity: 36.3%
 Flux RGB Ratio: R=19.7%, G=78.0%, B=2.3%
 Peak Wave: 595.6nm
 Half Width: 147.4nm

Rendering Index: Ra=92.6

R1=83 R2=92 R3=97 R4=82 R5=83 R6=88 R7=86 R8=65
 R9=68 R10=80 R11=82 R12=67 R13=85 R14=99 R15=77

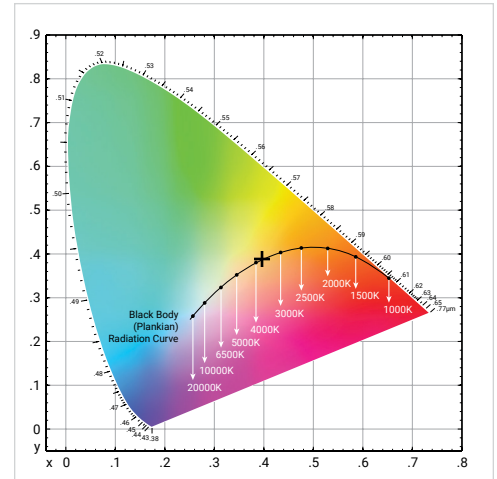
Photo Parameters

Luminous Flux: 1014.6 lm
 Luminous Efficacy: 81.1 lm/W
 Radiant Flux: 2956.65 mW
 Iv: 0.0 mcd

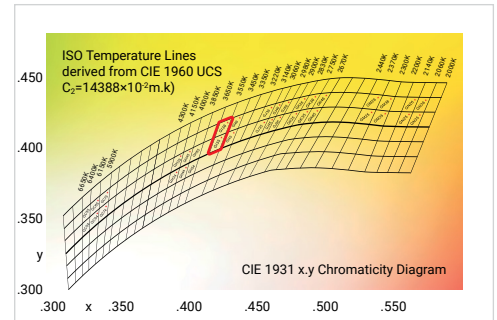
Electrical Parameters

Voltage: U=12.000V
 Current: I=1.0425A
 Power: P=12.51W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=36.2%, G=47.4%, B=16.5%

