

# 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	<b>303.48 lm/ft</b>	<b>995.72 lm/m</b>	<b>4979 lm/roll total</b>
Luminous Efficacy	<b>80.31 lm/W</b>		
Correlated Color Temperature	<b>3000K (Warm White)</b>		
Colour Rendering Index	<b>92.3</b>		
R9	<b>64</b>		
duv (black-body curve deviation)	<b>0.0024</b>		



Electrical Input

Rated Power (Max.)

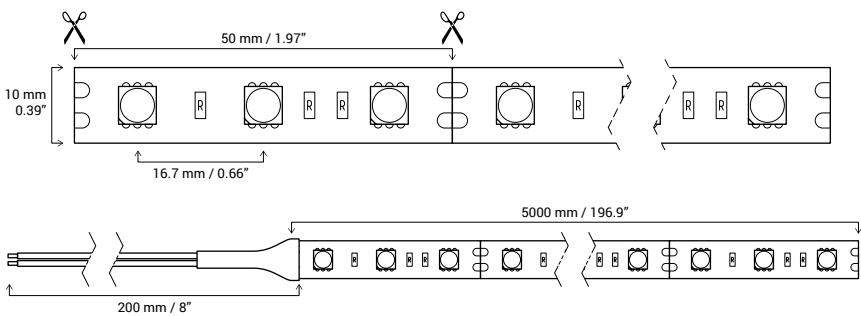
CONSTANT VOLTAGE **12V DC** **72 W/roll**

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

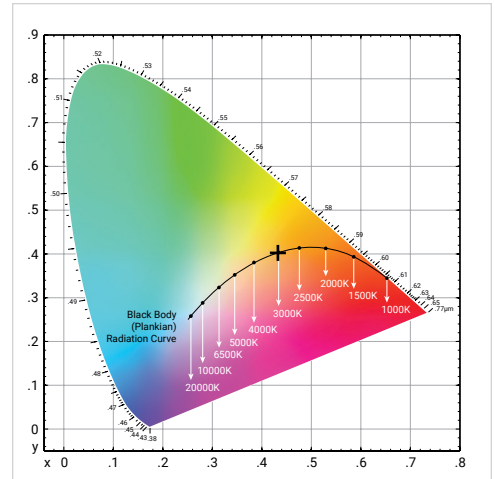
### Photo Parameters

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

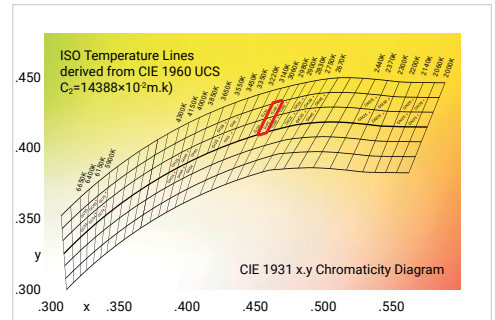
### Electrical Parameters

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%

