

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



Electrical Input

Rated Power (Max.)

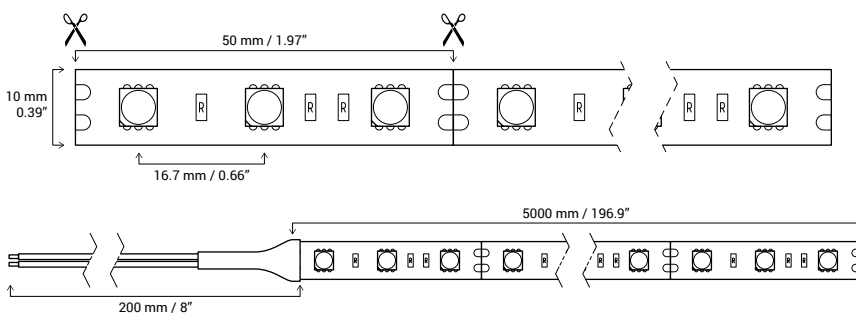
**CONSTANT VOLTAGE 12V DC**      **72 W/roll**

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

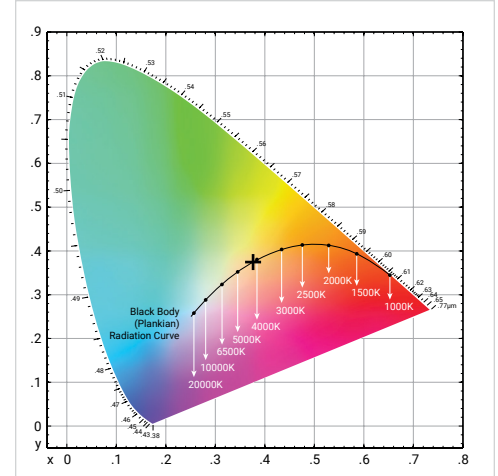
#### Photo Parameters

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

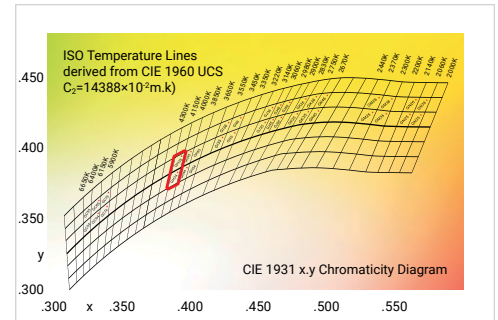
#### Electrical Parameters

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%

