

# B5050-24V-72-10mm-17.8W-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	21.9 LED/ft	72 LED/m	360 LED/roll total
Can be cut at every	1.09 in	27.8 mm	2 LED
Lifespan	50 000 Hrs		
IP Code (IEC standard 60529)	IP22		

### ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
Rated Power (Max.)	5.4 W/ft	17.8 W/m	89 W/roll total

### LIGHTING

Luminous Flux	<b>361 lm/ft</b>	1184.3 lm/m	5921.5 lm/roll total
Luminous Efficacy	<b>80.02 lm/W</b>		
Correlated Color Temperature	<b>3000K (Warm White)</b>		
Colour Rendering Index	<b>93.8</b>		
R9	<b>73</b>		
duv (black-body curve deviation)	<b>0.0008</b>		



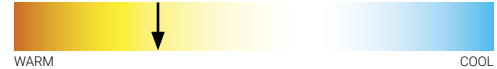
Electrical Input

Rated Power (Max.)

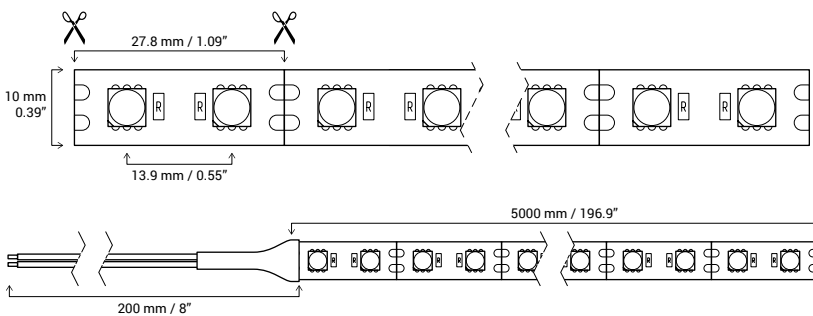
**CONSTANT VOLTAGE 24V DC 89 W/roll**

Correlated Color Temperature (CCT)

3000K



### DIMENSIONS



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## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.4295, y=0.4035, u=0.2461, v=0.3467, duv=0.0008$   
 Correlated Color Temperature: 3074K  
 Dominant Wave.: 582.0nm  
 Purity: 50.1%  
 Flux RGB Ratio: R=23.5%, G=74.7%, B=1.8%  
 Peak Wave: 626.6nm  
 Half Width: 176.7nm

### Rendering Index: Ra=93.8

R1=94 R2=96 R3=96 R4=95 R5=93 R6=92 R7=95 R8=88  
 R9=73 R10=89 R11=95 R12=76 R13=94 R14=97 R15=92

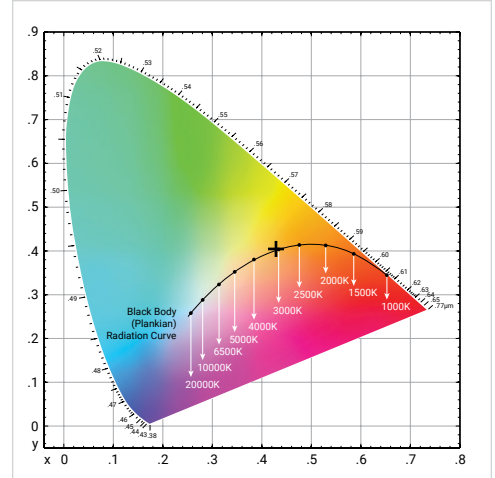
### Photo Parameters

Luminous Flux: 1184.3 lm  
 Luminous Efficacy: 80.02 lm/W  
 Radiant Flux: 3534.4 mW  
 Iv: 0.0 mcd

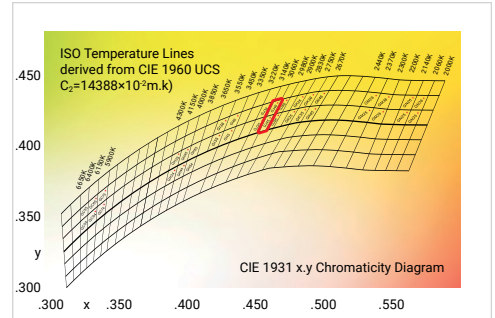
### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.62A  
 Power: P=14.8W  
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=51.4%, G=37.9%, B=10.6%

