

## B5050-24V-72-10mm-17.8W-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	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>381 lm/ft</b>	1250.2 lm/m	6251 lm/roll total
Luminous Efficacy	<b>81.5 lm/W</b>		
Correlated Color Temperature	<b>4200K (Neutral White)</b>		
Colour Rendering Index	<b>93.2</b>		
R9	<b>79</b>		
dUV (black-body curve deviation)	<b>0.0008</b>		



Electrical Input

Rated Power (Max.)

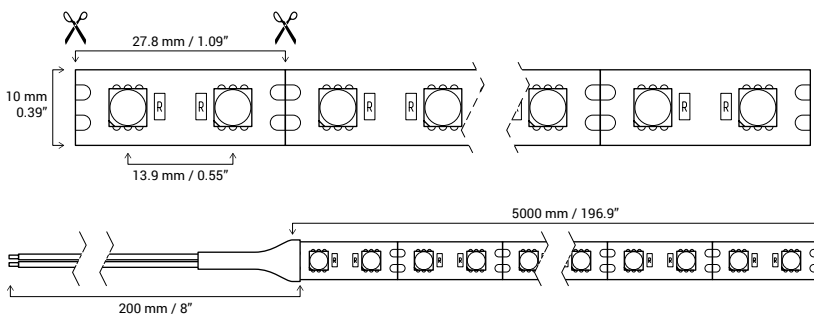
CONSTANT VOLTAGE	<b>24V DC</b>	<b>89 W/roll</b>
------------------	---------------	------------------

Correlated Color Temperature (CCT)

4200K



#### DIMENSIONS



## B5050-24V-72-10mm-17.8W-4200K-IP22

### Test Data for 1 Meter LED Strip Length



#### Chroma Parameters

Chromaticity Coordinates:  $x=0.3785, y=0.3774, u=0.2236, v=0.3344, duv=0.0008$   
 Correlated Color Temperature: 4209K  
 Dominant Wave.: 578.4nm  
 Purity: 26.9%  
 Flux RGB Ratio: R=19.4%, G=78.0%, B=2.6%  
 Peak Wave: 451.6nm  
 Half Width: 26.5nm

#### Rendering Index: Ra=93.2

R1=94 R2=94 R3=92 R4=93 R5=92 R6=90 R7=97 R8=93  
 R9=79 R10=84 R11=92 R12=69 R13=94 R14=95 R15=94

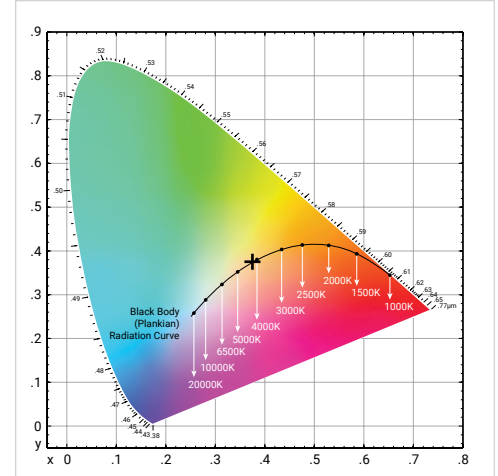
#### Photo Parameters

Luminous Flux: 1250.2 lm  
 Luminous Efficacy: 81.5 lm/W  
 Radiant Flux: 4092.5 mW  
 Iv: 0.0 mcd

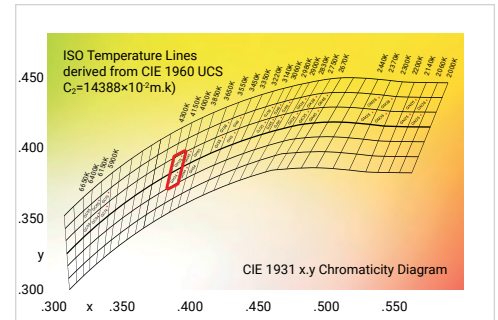
#### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.6391A  
 Power: P=15.34W  
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=42.7%, G=40.7%, B=16.6%

