

## B5050-24V-72-10mm-17.8W-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	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>372.9 lm/ft</b>	1223.6 lm/m	6118 lm/roll total
Luminous Efficacy	<b>80.5 lm/W</b>		
Correlated Color Temperature	<b>3500K (Bright White)</b>		
Colour Rendering Index	<b>93.2</b>		
R9	<b>87</b>		
duv (black-body curve deviation)	<b>0.0010</b>		



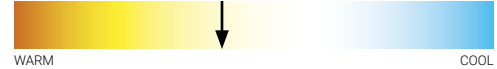
Electrical Input

Rated Power (Max.)

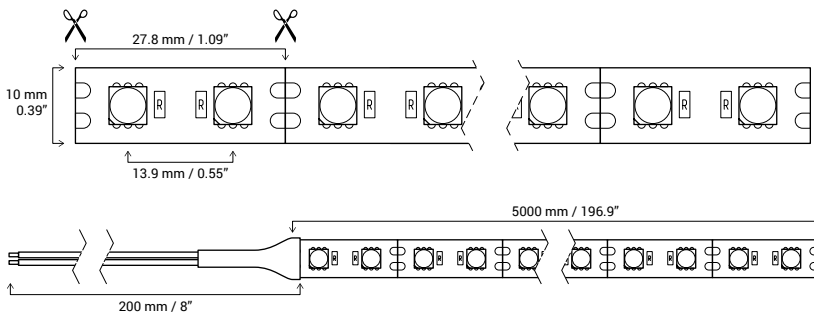
CONSTANT VOLTAGE	<b>24V DC</b>	<b>89 W/roll</b>
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Correlated Color Temperature (CCT)

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: 3624K  
 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=93.2

R1=95 R2=92 R3=93 R4=94 R5=94 R6=91 R7=96 R8=97  
 R9=87 R10=81 R11=95 R12=74 R13=96 R14=95 R15=98

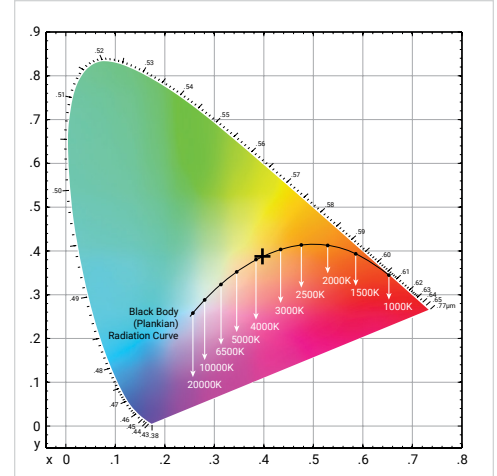
#### Photo Parameters

Luminous Flux: 1223.6 lm  
 Luminous Efficacy: 80.5 lm/W  
 Radiant Flux: 3651.7 mW  
 Iv: 0.0 mcd

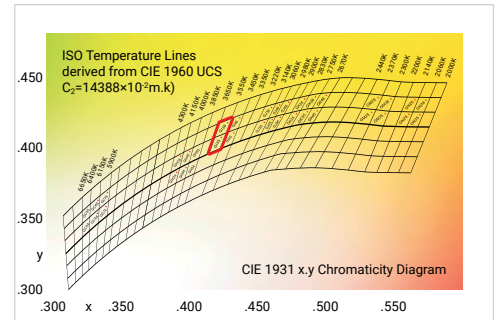
#### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.63A  
 Power: P=15.20W  
 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%

