

B5050-24V-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	3.94 in	100 mm	6 LED
Lifespan	50 000 Hrs		
IP Code (IEC standard 60529)	IP22		

ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
Rated Power (Max.)	4.4 W/ft	14.4 W/m	72 W/roll total

LIGHTING

Luminous Flux	320.7 lm/ft	1052.3 lm/m	5262 lm/roll total
Luminous Efficacy	81.7 lm/W		
Correlated Color Temperature	4200K (Neutral White)		
Colour Rendering Index	93.4		
R9	80		
duv (black-body curve deviation)	0.0011		



Electrical Input

Rated Power (Max.)

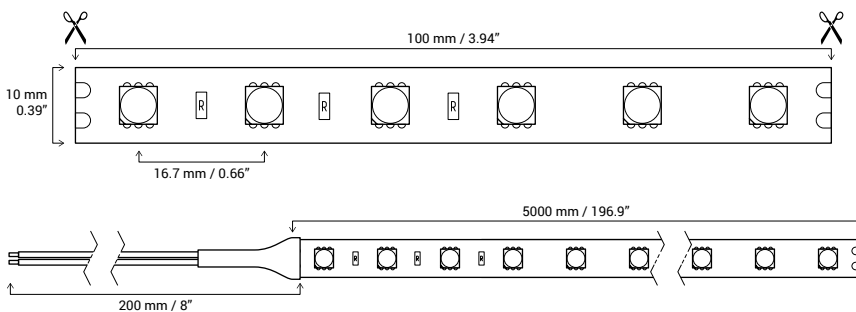
CONSTANT VOLTAGE 24V DC 72 W/roll

Correlated Color Temperature (CCT)

4200K



DIMENSIONS



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Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3803, y=0.3789, u=0.2242, v=0.3350, duv=0.0011$
 Correlated Color Temperature: 4203K
 Dominant Wave.: 578.4nm
 Purity: 27.9%
 Flux RGB Ratio: R=19.6%, G=77.9%, B=2.6%
 Peak Wave: 452.1nm
 Half Width: 25.8nm

Rendering Index: Ra=93.4

R1=94 R2=95 R3=93 R4=94 R5=92 R6=90 R7=97 R8=93
 R9=80 R10=86 R11=92 R12=69 R13=94 R14=96 R15=94

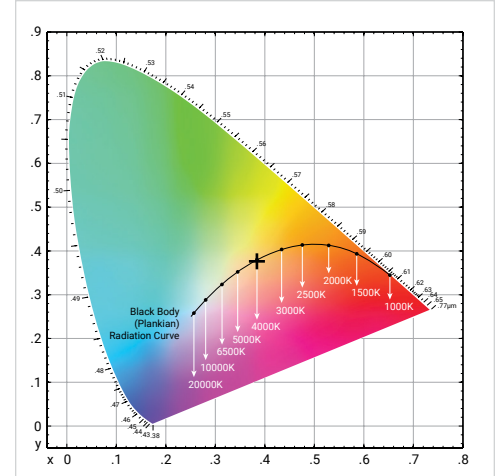
Photo Parameters

Luminous Flux: 1052.3 lm
 Luminous Efficacy: 81.7 lm/W
 Radiant Flux: 3537.25 mW
 Iv: 0.0 mcd

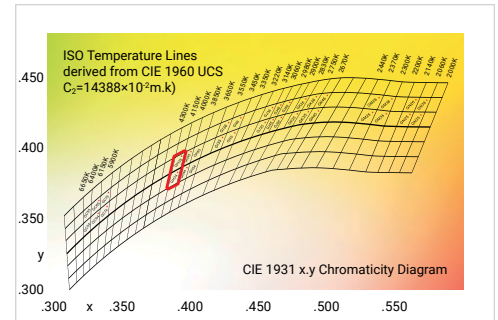
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.5367A
 Power: P=12.88W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=43.3%, G=40.3%, B=16.3%

