

B5050-24V-60-10mm-14.4W-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	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	307.5 lm/ft	1008.9 lm/m	5045 lm/roll total
Luminous Efficacy	81.3 lm/W		
Correlated Color Temperature	3500K (Bright White)		
Colour Rendering Index	92.9		
R9	70		
duv (black-body curve deviation)	0.0011		



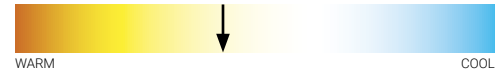
Electrical Input

Rated Power (Max.)

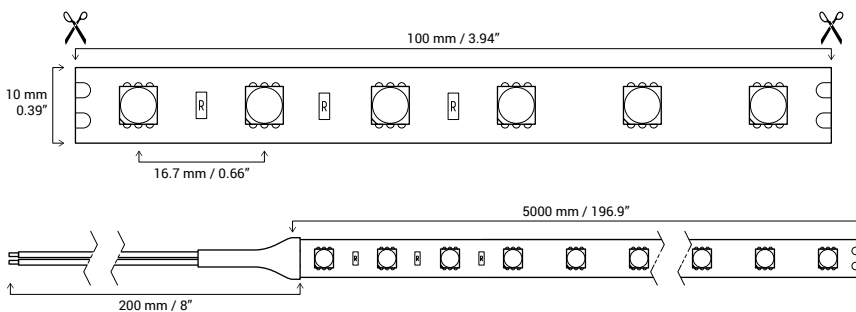
CONSTANT VOLTAGE 24V DC 72 W/roll

Correlated Color Temperature (CCT)

3500K



DIMENSIONS



B5050-24V-60-10mm-14.4W-3500K-IP22

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3984, y=0.3895, u=0.2317, v=0.3398, duv=0.0011$
 Correlated Color Temperature: 3647K
 Dominant Wave.: 579.9nm
 Purity: 36.5%
 Flux RGB Ratio: R=19.7%, G=78.1%, B=2.2%
 Peak Wave: 594.8nm
 Half Width: 148.0nm

Rendering Index: Ra=92.9

R1=83 R2=91 R3=97 R4=83 R5=83 R6=89 R7=86 R8=65
 R9=70 R10=79 R11=82 R12=67 R13=85 R14=98 R15=76

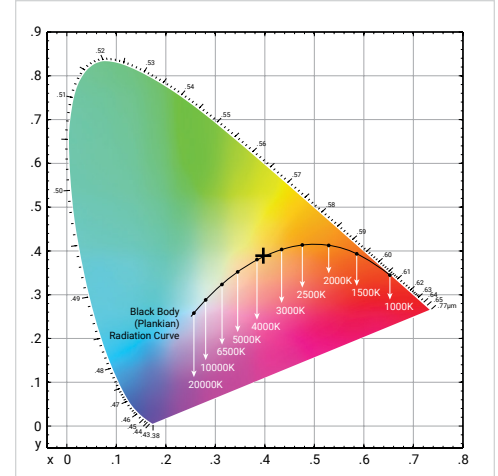
Photo Parameters

Luminous Flux: 1008.9 lm
 Luminous Efficacy: 81.3 lm/W
 Radiant Flux: 3001.65 mW
 Iv: 0.0 mcd

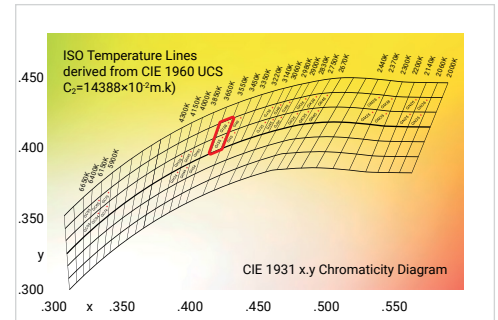
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.5171A
 Power: P=12.41W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=36.0%, G=47.6%, B=16.4%

