

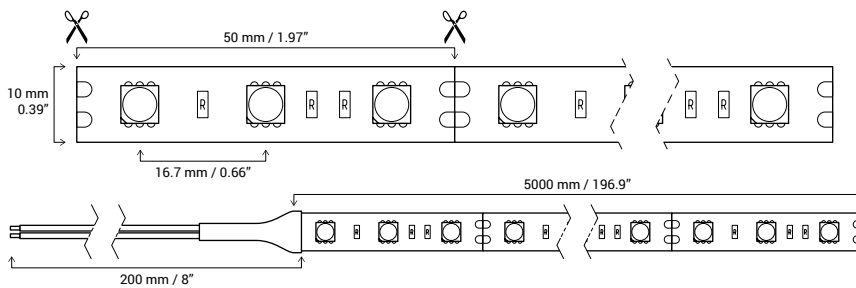
B5050-12V-60-10mm-14.4W-XXK-IPYY

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	1.97 in	50 mm	3 LED
Lifespan	50 000 Hrs		



ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	12V DC		
Rated Power (Max.)	4.4 W/ft	14.4 W/m	72 W/roll total

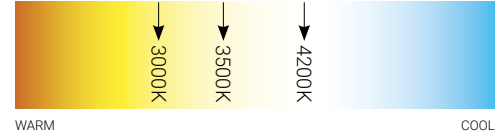


Electrical Input

Rated Power (Max.)

CONSTANT VOLTAGE	12V DC	72 W/roll
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Correlated Color Temperature (CCT)



PRODUCT RANGE

Part Number	Code	IP	CCT*	Luminous Flux	Luminous Efficacy	CRI**	R9	duv***
B5050-12V-60-10mm-14.4W-3000K-IP22		IP22	3000K	303.48 lm/ft	995.72 lm/m	4979 lm/roll	80.31 lm/W	92.3 64 0.0024
B5050-12V-60-10mm-14.4W-3000K-IP68		IP68	(Warm White)					
B5050-12V-60-10mm-14.4W-3500K-IP22		IP22	3500K	309.22 lm/ft	1014.56 lm/m	5073 lm/roll	81.1 lm/W	92.6 68 0.0010
B5050-12V-60-10mm-14.4W-3500K-IP68		IP68	(Bright White)					
B5050-12V-60-10mm-14.4W-4200K-IP22		IP22	4200K	340.55 lm/ft	1117.34 lm/m	5587 lm/roll	82.4 lm/W	93.1 96 0.0005
B5050-12V-60-10mm-14.4W-4200K-IP68		IP68	(Neutral White)					

Other CCT available upon request. Please contact your authorized representative.

CCT* - Correlated Color Temperature
 CRI** - Colour Rendering Index
 duv*** - Black-body Curve Deviation

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B5050-12V-60-10mm-14.4W-3000K-IP22/IP68
Test Data for 1 Meter LED Strip Length



Coming Soon

B5050-12V-60-10mm-14.4W-3500K-IP22/IP68

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: 3652K
 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=92.6

R1=83 R2=92 R3=97 R4=82 R5=83 R6=88 R7=86 R8=65
 R9=68 R10=80 R11=82 R12=67 R13=85 R14=99 R15=77

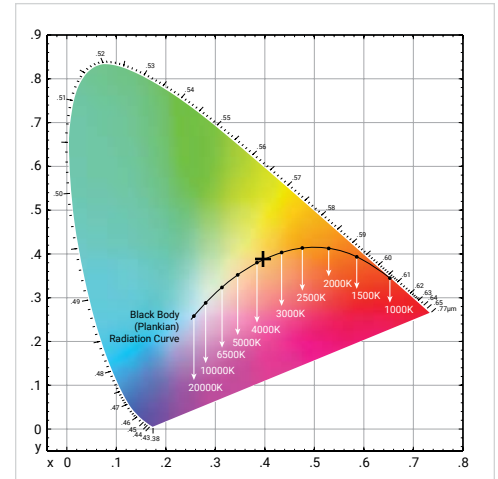
Photo Parameters

Luminous Flux: 1014.6 lm
 Luminous Efficacy: 81.1 lm/W
 Radiant Flux: 2956.65 mW
 Iv: 0.0 mcd

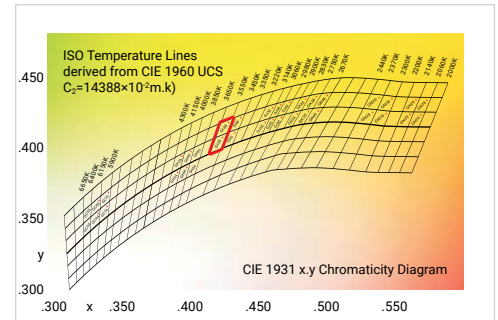
Electrical Parameters

Voltage: U=12.000V
 Current: I=1.0425A
 Power: P=12.51W
 Power Factor: PF=1.000

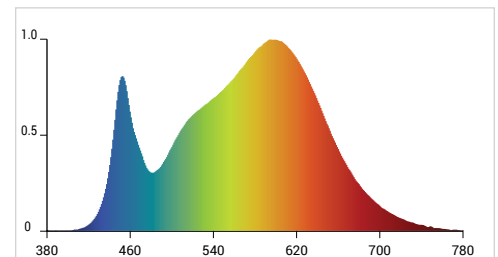
C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=36.2%, G=47.4%, B=16.5%



B5050-12V-60-10mm-14.4W-4200K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3796, y=0.3774, u=0.2243, v=0.3345, duv=0.0005$
 Correlated Color Temperature: 4215K
 Dominant Wave.: 578.7nm
 Purity: 27.2%
 Flux RGB Ratio: R=19.7%, G=77.6%, B=2.7%
 Peak Wave: 452.7nm
 Half Width: 27.9nm

Rendering Index: Ra=93.1

R1=96 R2=96 R3=95 R4=93 R5=91 R6=88 R7=95 R8=93
 R9=96 R10=88 R11=92 R12=68 R13=96 R14=97 R15=94

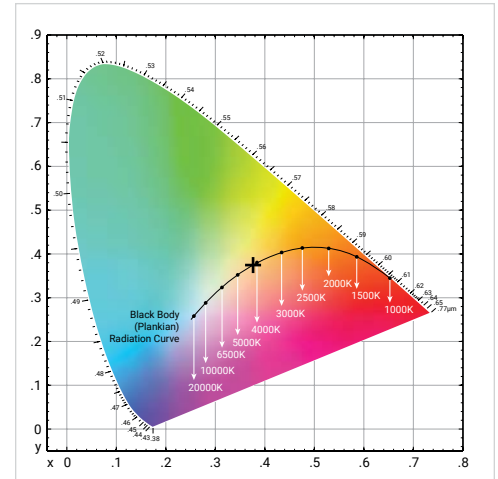
Photo Parameters

Luminous Flux: 1117.3 lm
 Luminous Efficacy: 82.4 lm/W
 Radiant Flux: 3910.89 mW
 Iv: 0.0 mcd

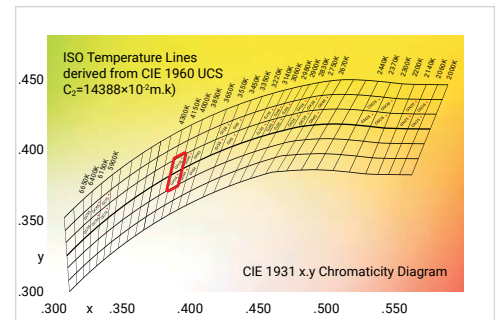
Electrical Parameters

Voltage: U=12.000V
 Current: I=1.13A
 Power: P=13.56W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=43.2%, G=40.0%, B=16.8%

