

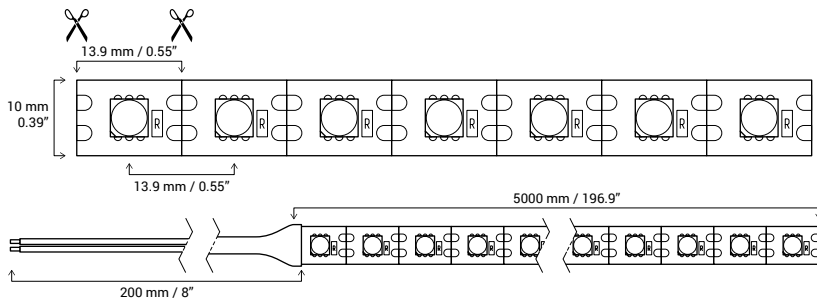
B5050-12V-72-10mm-17.8W-XXK-IPYY

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	21.9 LED/ft	72 LED/m	360 LED/roll total
Can be cut at every	0.55 in	13.9 mm	1 LED
Lifespan	50 000 Hrs		



ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	12V DC		
Rated Power (Max.)	5.4 W/ft	17.8 W/m	89 W/roll total



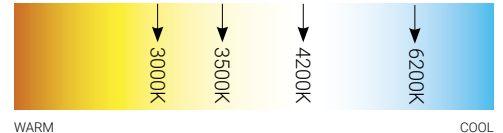
Electrical Input

Rated Power (Max.)

CONSTANT VOLTAGE

12V DC**89 W/roll**

Correlated Color Temperature (CCT)



PRODUCT RANGE

Part Number	Code	IP	CCT*	Luminous Flux			Luminous Efficacy	CRI**	R9	duv***
B5050-12V-72-10mm-17.8W-3000K-IP22	LM28151	IP22	3000K	353.5 lm/ft	1159.7 lm/m	5798.5 lm/roll	81.1 lm/W	93.2	71	0.0017
B5050-12V-72-10mm-17.8W-3000K-IP68	LM28153	IP68	(Warm White)							
B5050-12V-72-10mm-17.8W-3500K-IP22	LM28161	IP22	3500K	373.2 lm/ft	1224.4 lm/m	6122 lm/roll	80.5 lm/W	93.1	86	0.0011
B5050-12V-72-10mm-17.8W-3500K-IP68	LM28163	IP68	(Bright White)							
B5050-12V-72-10mm-17.8W-4200K-IP22	LM28171	IP22	4200K	392.5 lm/ft	1287.9 lm/m	6439.5 lm/roll	81.0 lm/W	93.6	80	0.0006
B5050-12V-72-10mm-17.8W-4200K-IP68	LM28173	IP68	(Neutral White)							
B5050-12V-72-10mm-17.8W-6200K-IP22	LM28181	IP22	6200K	-	-	-	-	-	-	-
B5050-12V-72-10mm-17.8W-6200K-IP68	LM28183	IP68	(Cool 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-72-10mm-17.8W-3000K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4312, y=0.4064, u=0.2459, v=0.3476, duv=0.0017$
 Correlated Color Temperature: 3082K
 Dominant Wave.: 581.7nm
 Purity: 51.4%
 Flux RGB Ratio: R=23.4%, G=74.9%, B=1.7%
 Peak Wave: 628.5nm
 Half Width: 176.8nm

Rendering Index: Ra=93.2

R1=94 R2=95 R3=95 R4=94 R5=92 R6=92 R7=95 R8=88
 R9=71 R10=87 R11=94 R12=76 R13=94 R14=97 R15=91

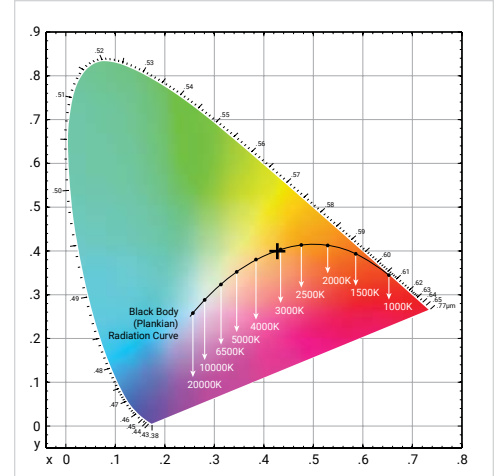
Photo Parameters

Luminous Flux: 1159.7 lm
 Luminous Efficacy: 81.1 lm/W
 Radiant Flux: 4100.3 mW
 Iv: 0.0 mcd

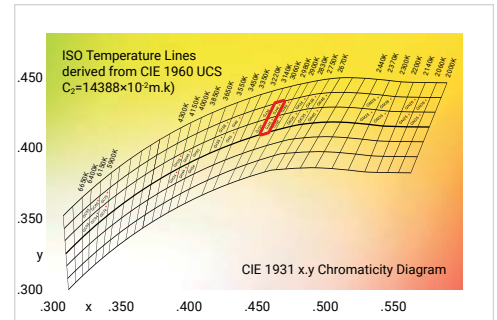
Electrical Parameters

Voltage: U=12.000V
 Current: I=1.1917A
 Power: P=14.3W
 Power Factor: PF=1.000

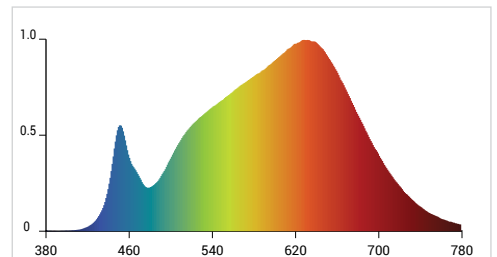
C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=51.2%, G=38.5%, B=10.3%



B5050-12V-72-10mm-17.8W-3500K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3985, y=0.3896, u=0.2318, v=0.3399, duv=0.0011$
 Correlated Color Temperature: 3644K
 Dominant Wave.: 579.9nm
 Purity: 36.5%
 Flux RGB Ratio: R=19.8%, G=78.0%, B=2.3%
 Peak Wave: 598.7nm
 Half Width: 148.0nm

Rendering Index: Ra=93.1

R1=95 R2=95 R3=93 R4=96 R5=94 R6=92 R7=97 R8=95
 R9=86 R10=88 R11=95 R12=76 R13=96 R14=96 R15=98

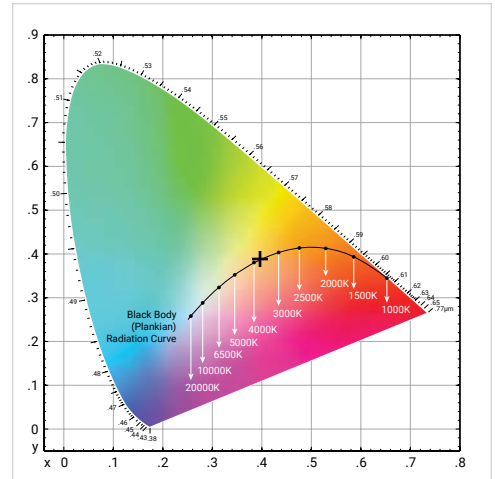
Photo Parameters

Luminous Flux: 1224.4 lm
 Luminous Efficacy: 80.5 lm/W
 Radiant Flux: 3654.1 mW
 Iv: 0.0 mcd

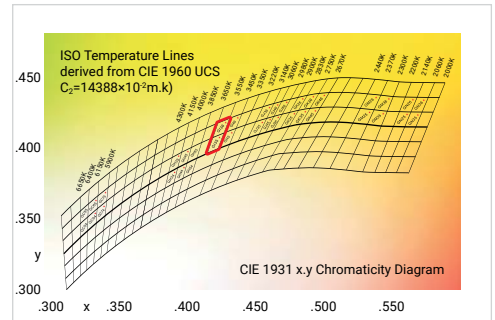
Electrical Parameters

Voltage: U=12.000V
 Current: I=1.27A
 Power: P=15.21W
 Power Factor: PF=1.000

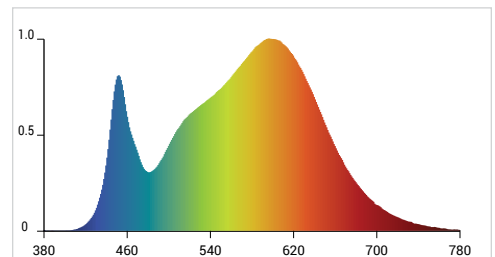
C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=36.3%, G=47.3%, B=16.4%



B5050-12V-72-10mm-17.8W-4200K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3799, y=0.3777, u=0.2244, v=0.3346, duv=0.0006$
 Correlated Color Temperature: 4211K
 Dominant Wave.: 578.6nm
 Purity: 27.4%
 Flux RGB Ratio: R=19.6%, G=77.9%, B=2.6%
 Peak Wave: 452.7nm
 Half Width: 26.3nm

Rendering Index: Ra=93.6

R1=93 R2=94 R3=92 R4=94 R5=93 R6=92 R7=98 R8=93
 R9=80 R10=85 R11=92 R12=69 R13=93 R14=95 R15=94

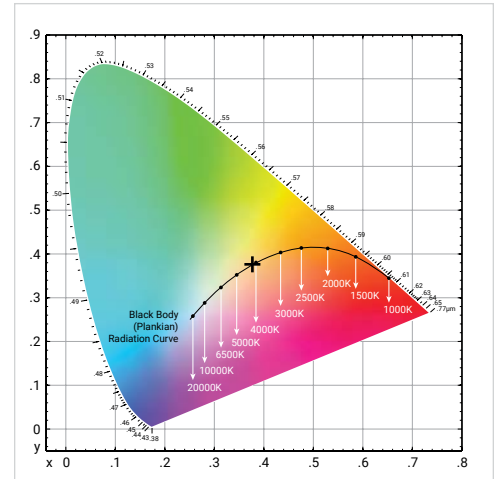
Photo Parameters

Luminous Flux: 1287.9 lm
 Luminous Efficacy: 81.0 lm/W
 Radiant Flux: 4507.9 mW
 Iv: 0.0 mcd

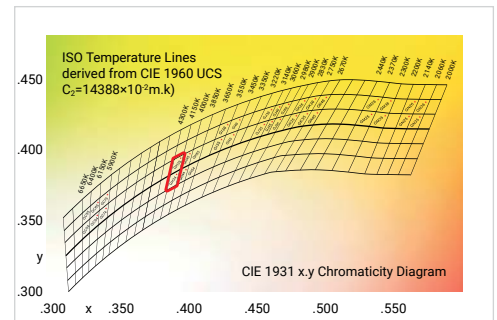
Electrical Parameters

Voltage: U=12.000V
 Current: I=1.33A
 Power: P=15.9W
 Power Factor: PF=1.000

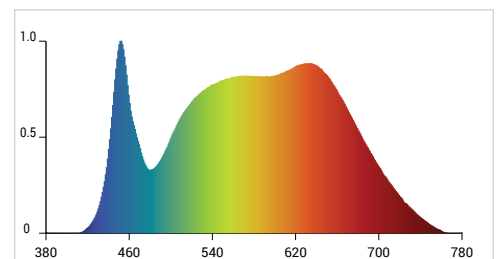
C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=42.4%, G=41.2%, B=16.5%



B5050-12V-72-10mm-17.8W-6200K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Coming Soon