

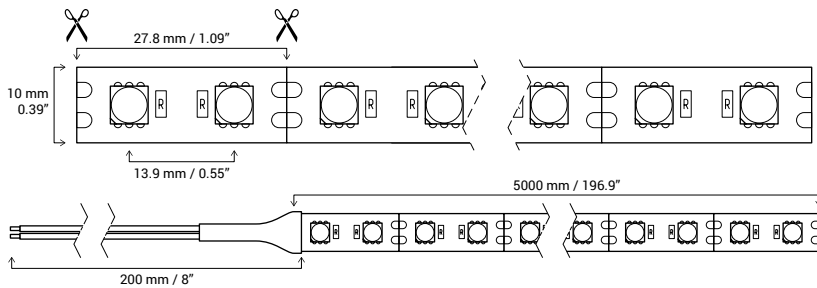
B5050-24V-72-10mm-17.8W-XXK-IPYY

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	1.09 in	27.8 mm	2 LED
Lifespan	50 000 Hrs		



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

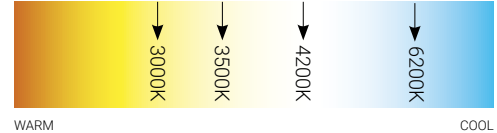


Electrical Input

Rated Power (Max.)

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



PRODUCT RANGE

Part Number	Code	IP	CCT*		Luminous Flux	Luminous Efficacy	CRI**	R9	duv***	
B5050-24V-72-10mm-17.8W-3000K-IP22	LM28190-2	IP22	3000K	361 lm/ft	1184.3 lm/m	5921.5 lm/roll	80.02 lm/W	93.8	73	0.0008
B5050-24V-72-10mm-17.8W-3000K-IP68	LM28190-4	IP68	(Warm White)	373 lm/ft	1223.6 lm/m	6118 lm/roll	80.5 lm/W	93.2	87	0.0010
B5050-24V-72-10mm-17.8W-3500K-IP22	LM28191-2	IP22	3500K	381 lm/ft	1250.2 lm/m	6251 lm/roll	81.5 lm/W	93.2	79	0.0008
B5050-24V-72-10mm-17.8W-3500K-IP68	LM28191-4	IP68	(Bright White)	-	-	-	-	-	-	-
B5050-24V-72-10mm-17.8W-4200K-IP22	LM28192-2	IP22	4200K	-	-	-	-	-	-	-
B5050-24V-72-10mm-17.8W-4200K-IP68	LM28192-4	IP68	(Neutral White)	-	-	-	-	-	-	-
B5050-24V-72-10mm-17.8W-6200K-IP22	LM28193-2	IP22	6200K	-	-	-	-	-	-	-
B5050-24V-72-10mm-17.8W-6200K-IP68	LM28193-4	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

B5050-24V-72-10mm-17.8W-3000K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4295, y=0.4035, u=0.2461, v=0.3467, duv=0.0008$
 Correlated Color Temperature: 3074K
 Dominant Wave.: 582.0nm
 Purity: 50.1%
 Flux RGB Ratio: R=23.5%, G=74.7%, B=1.8%
 Peak Wave: 626.6nm
 Half Width: 176.7nm

Rendering Index: Ra=93.8

R1=94 R2=96 R3=96 R4=95 R5=93 R6=92 R7=95 R8=88
 R9=73 R10=89 R11=95 R12=76 R13=94 R14=97 R15=92

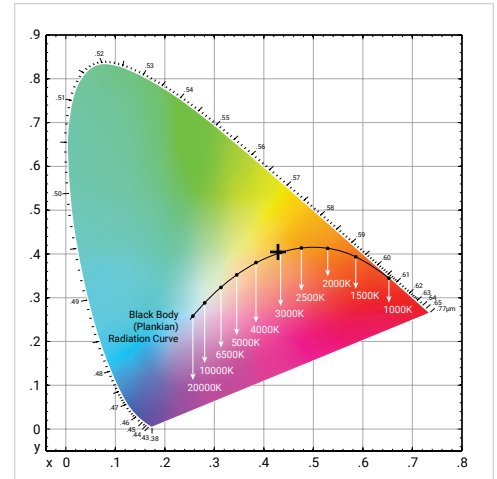
Photo Parameters

Luminous Flux: 1184.3 lm
 Luminous Efficacy: 80.02 lm/W
 Radiant Flux: 3534.4 mW
 Iv: 0.0 mcd

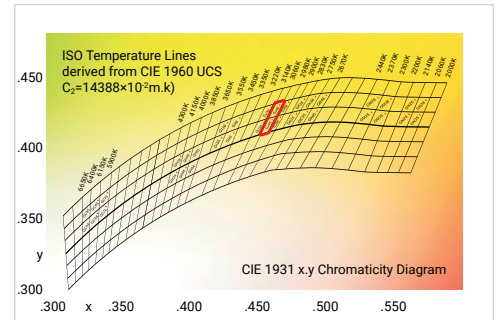
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.62A
 Power: P=14.8W
 Power Factor: PF=1.000

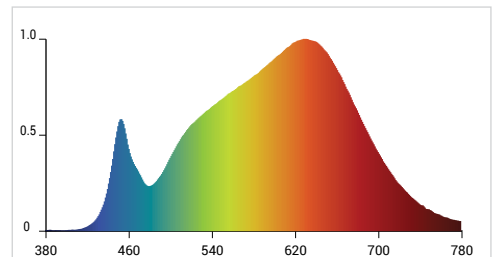
C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=51.4%, G=37.9%, B=10.6%



B5050-24V-72-10mm-17.8W-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: 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

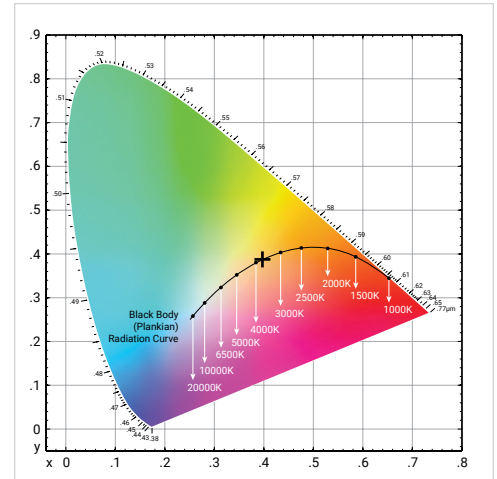
Photo Parameters

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

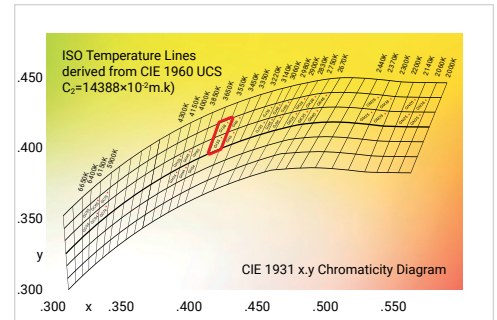
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.63A
 Power: P=15.20W
 Power Factor: PF=1.000

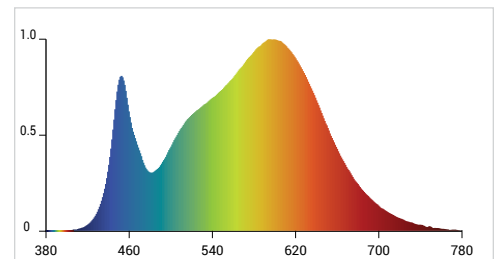
C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



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



B5050-24V-72-10mm-17.8W-4200K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3785, y=0.3774, u=0.2236, v=0.3344, duv=0.0008$
 Correlated Color Temperature: 4209K
 Dominant Wave.: 578.4nm
 Purity: 26.9%
 Flux RGB Ratio: R=19.4%, G=78.0%, B=2.6%
 Peak Wave: 451.6nm
 Half Width: 26.5nm

Rendering Index: Ra=93.2

R1=94 R2=94 R3=92 R4=93 R5=92 R6=90 R7=97 R8=93
 R9=79 R10=84 R11=92 R12=69 R13=94 R14=95 R15=94

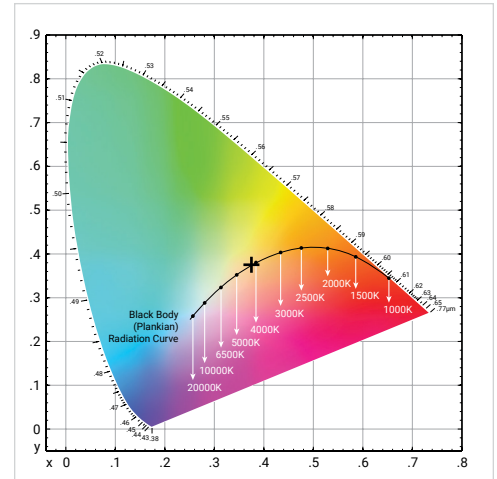
Photo Parameters

Luminous Flux: 1250.2 lm
 Luminous Efficacy: 81.5 lm/W
 Radiant Flux: 4092.5 mW
 Iv: 0.0 mcd

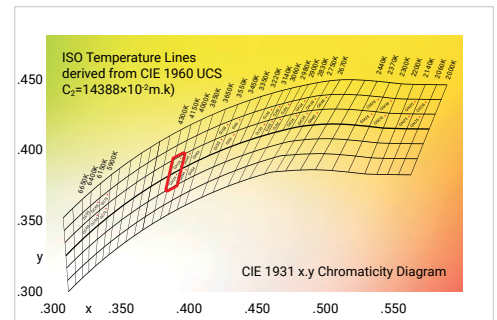
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.6391A
 Power: P=15.34W
 Power Factor: PF=1.000

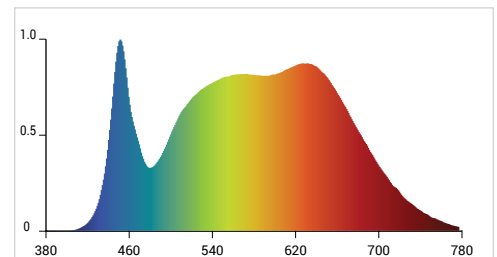
C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=42.7%, G=40.7%, B=16.6%



B5050-24V-72-10mm-17.8W-6200K-IP22/IP68
Test Data for 1 Meter LED Strip Length



Coming Soon