

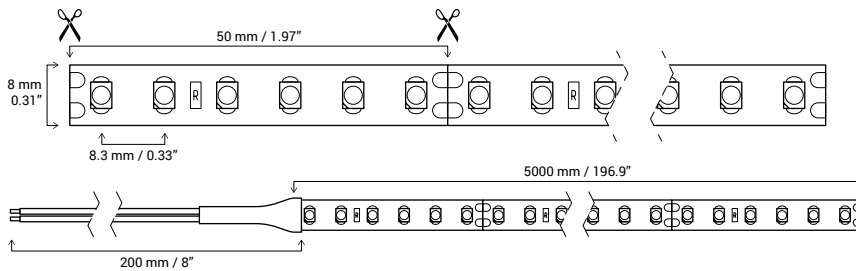
B3528-24V-120-8mm-9.6W-XXK-IPYY

Specification Sheet



PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	3528		
Strip Width	5/16 in	8 mm	
Strip Total Length (Roll)	16.4 ft	5 m	
LED Linear Density	36.6 LED/ft	120 LED/m	600 LED/roll total
Can be cut at every	1.97 in	50 mm	6 LED
Lifespan	50 000 Hrs		



ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
Rated Power (Max.)	2.9 W/ft	9.6 W/m	48 W/roll total

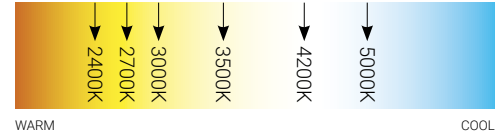


Electrical Input

Rated Power (Max.)

CONSTANT VOLTAGE	24V DC	48 W/roll
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Correlated Color Temperature (CCT)



PRODUCT RANGE

Part Number	Code	IP	CCT*	Luminous Flux			Luminous Efficacy	CRI**	R9	duv***
B3528-24V-120-8mm-9.6W-2400K-IP22	LM28097-01	IP22	2400K	172.4 lm/ft	565.8 lm/m	2829 lm/roll	76 lm/W	92.5	58	0.0019
B3528-24V-120-8mm-9.6W-2400K-IP68		IP68	(Soft White)							
B3528-24V-120-8mm-9.6W-2700K-IP22	LM21451-25	IP22	2700K	197.9 lm/ft	649.3 lm/m	3247 lm/roll	68.3 lm/W	93.9	70	0.0004
B3528-24V-120-8mm-9.6W-2700K-IP68	LM21451-85	IP68	(Soft White)							
B3528-24V-120-8mm-9.6W-3000K-IP22	LM28142-02	IP22	3000K	200.4 lm/ft	657.4 lm/m	3287 lm/roll	86 lm/W	93.6	71	-0.0000
B3528-24V-120-8mm-9.6W-3000K-IP68	LM28142-04	IP68	(Warm White)							
B3528-24V-120-8mm-9.6W-3500K-IP22	LM28142-12	IP22	3500K	193.7 lm/ft	635.5 lm/m	3178 lm/roll	82.7 lm/W	92.7	71	0.0016
B3528-24V-120-8mm-9.6W-3500K-IP68	LM28142-14	IP68	(Bright White)							
B3528-24V-120-8mm-9.6W-4200K-IP22	LM28142-22	IP22	4200K	214.9 lm/ft	705 lm/m	3525 lm/roll	86.5 lm/W	93.4	81	0.0006
B3528-24V-120-8mm-9.6W-4200K-IP68	LM21454-85	IP68	(Neutral White)							
B3528-24V-120-8mm-9.6W-5000K-IP22	LM21455-25	IP22	5000K	196.2 lm/ft	643.6 lm/m	3218 lm/roll	85.22 lm/W	92.2	76	0.0004
B3528-24V-120-8mm-9.6W-5000K-IP68	LM21455-85	IP68	(Daylight)							

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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B3528-24V-120-8mm-9.6W-2400K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4858, y=0.4202, u=0.2748, v=0.3566, duv=0.0019$
 Correlated Color Temperature: 2444K
 Dominant Wave.: 585.1nm
 Purity: 71.9%
 Flux RGB Ratio: R=28.6%, G=70.4%, B=1.0%
 Peak Wave: 624.6nm
 Half Width: 136.9nm

Rendering Index: Ra= 92.5

R1=91 R2=95 R3=98 R4=94 R5=93 R6=96 R7=91 R8=80
 R9=58 R10=88 R11=96 R12=85 R13=92 R14=98 R15=87

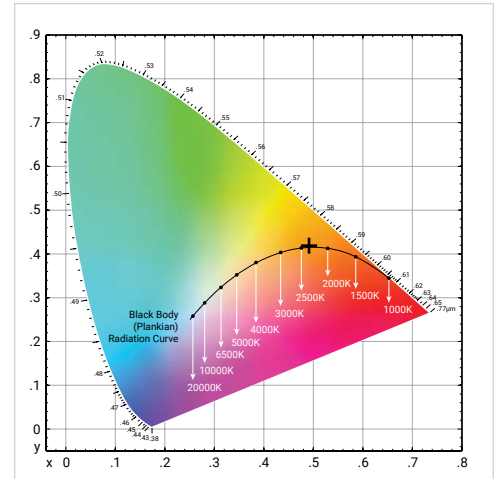
Photo Parameters

Luminous Flux: 565.75 lm
 Luminous Efficacy: 76.01 lm/W
 Radiant Flux: 2480.7 mW
 Iv: 0.0 mcd

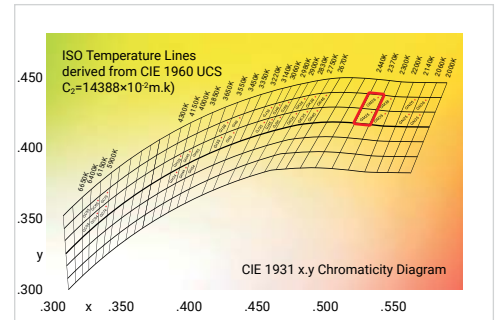
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.3100A
 Power: P=7.44W
 Power Factor: PF=1.000

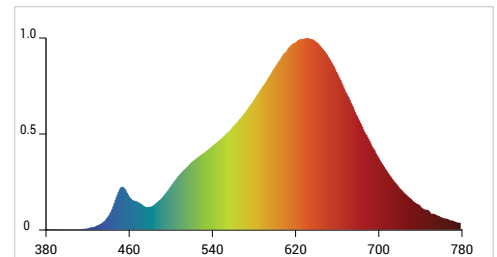
C.I.E. 1931 Chromaticity Diagram



Binning: GM25-26 (2370-2440K)



Spectral Ratio: R=59.9%, G=34.7%, B=5.5%



B3528-24V-120-8mm-9.6W-2700K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4536, y=0.4103, u=0.2586, v=0.5263, duv=0.0004$
 Correlated Color Temperature: 2787K
 Dominant Wave.: 583.6nm
 Purity: 59.3%
 Flux RGB Ratio: R=27.4%, G=70.5%, B=2.1%
 Peak Wave: 630.0nm
 Half Width: 161.4nm

Rendering Index: Ra= 93.9

R1=94 R2=96 R3=96 R4=95 R5=94 R6=95 R7=95 R8=87
 R9=70 R10=89 R11=95 R12=81 R13=95 R14=97 R15=91

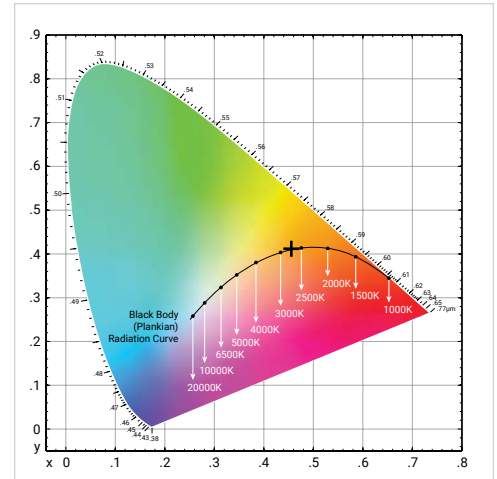
Photo Parameters

Luminous Flux: 649.33 lm
 Luminous Efficacy: 68.31 lm/W
 Radiant Flux: 2.3982 W
 Iv: 0.0 mcd

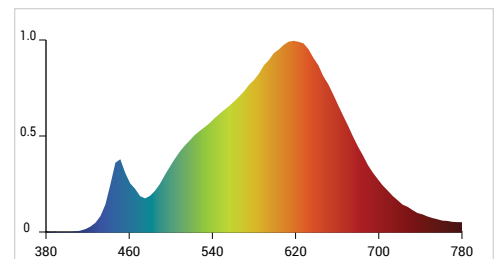
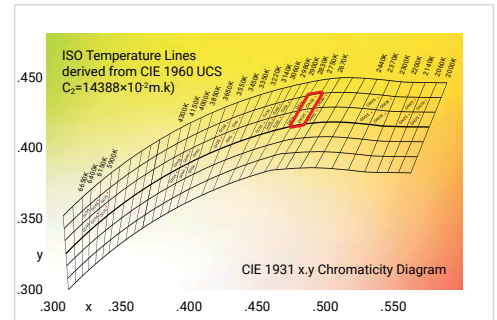
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.3961A
 Power: P=9.51W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GK35-36 (2750-2830K)



B3528-24V-120-8mm-9.6W-3000K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4220, y=0.3983, u=0.2434, v=0.3446, duv=-0.0000$
 Correlated Color Temperature: 3102K
 Dominant Wave.: 581.9nm
 Purity: 46.2%
 Flux RGB Ratio: R=23.0%, G=75.1%, B=1.9%
 Peak Wave: 626.6nm
 Half Width: 178.1nm

Rendering Index: Ra=93.6

R1=94 R2=96 R3=95 R4=94 R5=93 R6=93 R7=95 R8=88
 R9=71 R10=89 R11=94 R12=77 R13=95 R14=97 R15=92

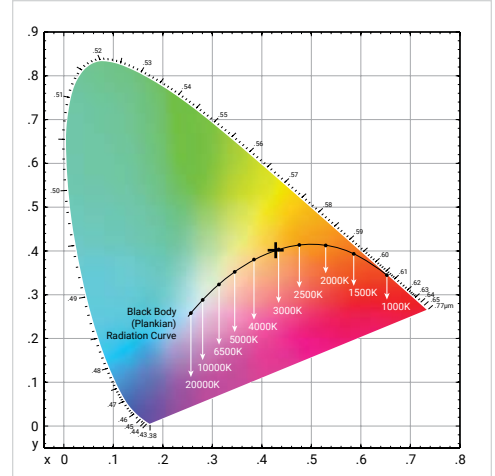
Photo Parameters

Luminous Flux: 657.4 lm
 Luminous Efficacy: 85.6 lm/W
 Radiant Flux: 2248.2 mW
 Iv: 0.0 mcd

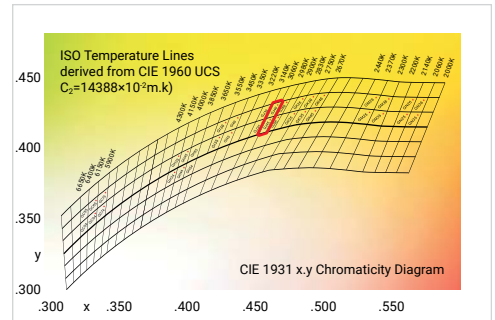
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.3200A
 Power: P=7.68W
 Power Factor: PF=1.000

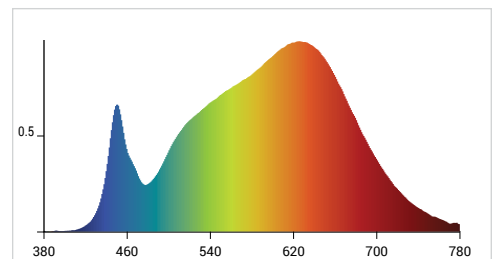
C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=49.5%, G=38.9%, B=11.5%



B3528-24V-120-8mm-9.6W-3500K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4044, y=0.3939, u=0.2338, v=0.3416, duv=0.0016$
 Correlated Color Temperature: 3592K
 Dominant Wave.: 580.0nm
 Purity: 39.6%
 Flux RGB Ratio: R=19.9%, G=77.9%, B=2.2%
 Peak Wave: 596.7nm
 Half Width: 141.6nm

Rendering Index: Ra=92.7

R1=97 R2=97 R3=93 R4=94 R5=94 R6=93 R7=97 R8=95
 R9=71 R10=89 R11=95 R12=75 R13=96 R14=96 R15=97

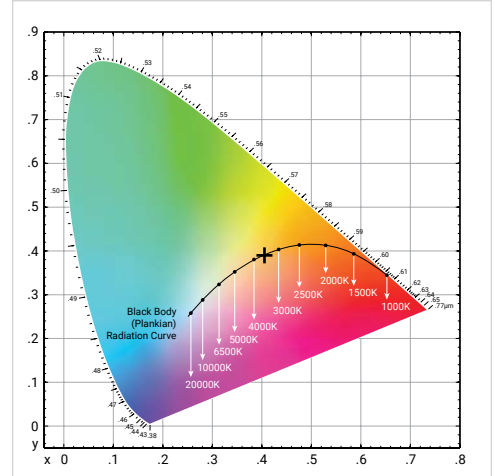
Photo Parameters

Luminous Flux: 635.5 lm
 Luminous Efficacy: 82.7 lm/W
 Radiant Flux: 1880.7 mW
 Iv: 0.0 mcd

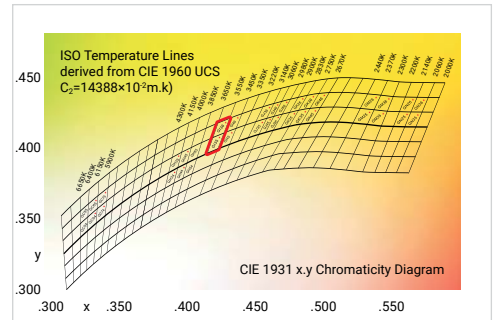
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.3154A
 Power: P=7.57W
 Power Factor: PF=1.000

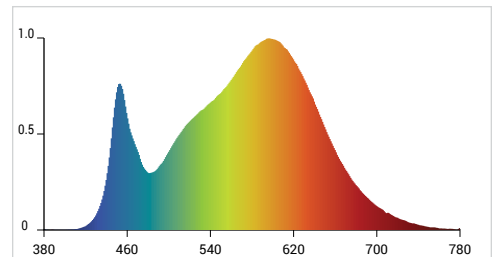
C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=36.4%, G=47.9%, B=15.7%



B3528-24V-120-8mm-9.6W-4200K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3768, y=0.3757, u=0.2231, v=0.3337, duv=0.0006$
 Correlated Color Temperature: 4212K
 Dominant Wave.: 578.4nm
 Purity: 25.8%
 Flux RGB Ratio: R=19.4%, G=78.0%, B=2.6%
 Peak Wave: 451.8nm
 Half Width: 23.8nm

Rendering Index: Ra=93.4

R1=94 R2=95 R3=93 R4=94 R5=92 R6=89 R7=97 R8=93
 R9=81 R10=85 R11=93 R12=67 R13=94 R14=96 R15=94

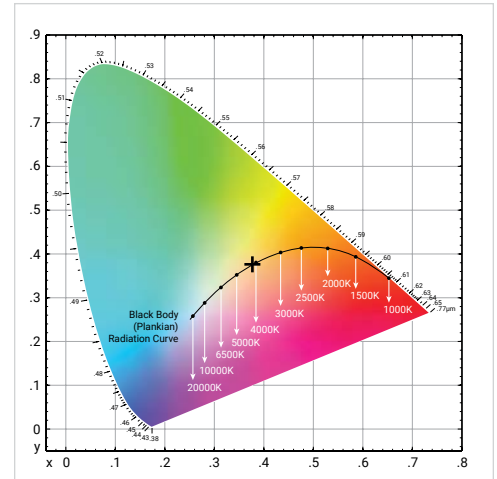
Photo Parameters

Luminous Flux: 705.0 lm
 Luminous Efficacy: 86.5 lm/W
 Radiant Flux: 2309.88 mW
 Iv: 0.0 mcd

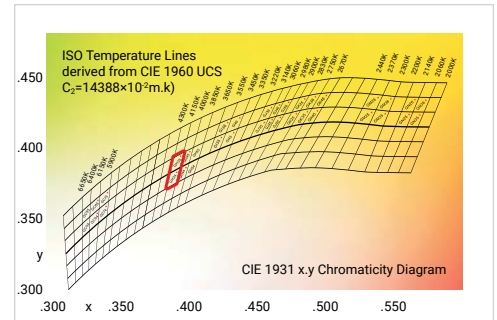
Electrical Parameters

Voltage: U=24.000V
 Current: I=0.3396A
 Power: P=8.15W
 Power Factor: PF=1.000

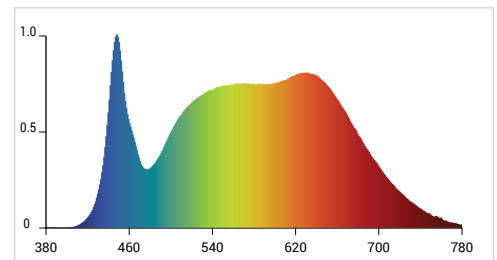
C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=42.4%, G=40.7%, B=16.9%



B3528-24V-120-8mm-9.6W-5000K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3462, y=0.3533, u=0.2115, v=0.4857, duv=0.0004$
 Correlated Color Temperature: 4965K
 Dominant Wave.: 572.7nm
 Purity: 9.9%
 Flux RGB Ratio: R=19.4%, G=78.0%, B=2.6%
 Peak Wave: 455.0nm
 Half Width: 27.1nm

Rendering Index: Ra=92.2

R1=93 R2=94 R3=93 R4=91 R5=90 R6=89 R7=97 R8=91
 R9=76 R10=84 R11=90 R12=62 R13=93 R14=96 R15=92

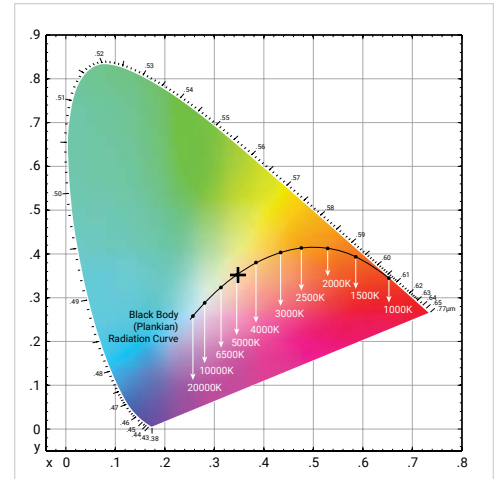
Photo Parameters

Luminous Flux: 643.57 lm
 Luminous Efficacy: 85.22 lm/W
 Radiant Flux: 2.3007 W
 Iv: 0.0 mcd

Electrical Parameters

Voltage: U=23.900V
 Current: I=0.3160A
 Power: P=7.55W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: YF50C

