

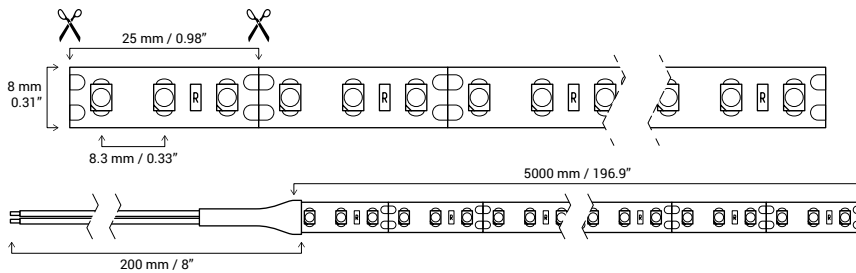
B3528-12V-120-8mm-9.6W-XXK-IPYY

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	0.98 in	25mm	3 LED
Lifespan	50 000 Hrs		



ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	12V DC		
Rated Power (Max.)	2.9 W/ft	9.6 W/m	48 W/roll total



Electrical Input

Rated Power (Max.)

CONSTANT VOLTAGE	12V 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***
B3528-12V-120-8mm-9.6W-2700K-IP22	LM21441-25	IP22	2700K	-	-	-	-	-	-	-
B3528-12V-120-8mm-9.6W-2700K-IP68	LM21441-85	IP68	(Soft White)	-	-	-	-	-	-	-
B3528-12V-120-8mm-9.6W-3000K-IP22	LM28101	IP22	3000K	193.8 lm/ft	635.9 lm/m	3180 lm/roll	83.9 lm/W	92.1	62	0.0010
B3528-12V-120-8mm-9.6W-3000K-IP68	LM28103	IP68	(Warm White)	-	-	-	-	-	-	-
B3528-12V-120-8mm-9.6W-3500K-IP22	LM28111	IP22	3500K	192.4 lm/ft	631.2 lm/m	3156 lm/roll	85.3 lm/W	93.9	73	0.0012
B3528-12V-120-8mm-9.6W-3500K-IP68	LM28113	IP68	(Bright White)	-	-	-	-	-	-	-
B3528-12V-120-8mm-9.6W-4200K-IP22	LM28121	IP22	4200K	232.1 lm/ft	761.4 lm/m	3807 lm/roll	84.6 lm/W	93.2	81	0.0012
B3528-12V-120-8mm-9.6W-4200K-IP68	LM28123	IP68	(Neutral White)	-	-	-	-	-	-	-
B3528-12V-120-8mm-9.6W-5000K-IP22	LM21445-25	IP22	5000K	-	-	-	-	-	-	-
B3528-12V-120-8mm-9.6W-5000K-IP68	LM21445-85	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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B3528-12V-120-8mm-9.6W-2700K-IP22/IP68
Test Data for 1 Meter LED Strip Length



Coming Soon

B3528-12V-120-8mm-9.6W-3000K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4295, y=0.4039, u=0.2459, v=0.3468, duv=0.0010$
 Correlated Color Temperature: 3062K
 Dominant Wave.: 581.9nm
 Purity: 50.2%
 Flux RGB Ratio: R=23.2%, G=75.0%, B=1.8%
 Peak Wave: 626.6nm
 Half Width: 173.3nm

Rendering Index: Ra=92.1

R1=92 R2=95 R3=96 R4=92 R5=91 R6=92 R7=94 R8=84
 R9=62 R10=87 R11=92 R12=75 R13=93 R14=97 R15=89

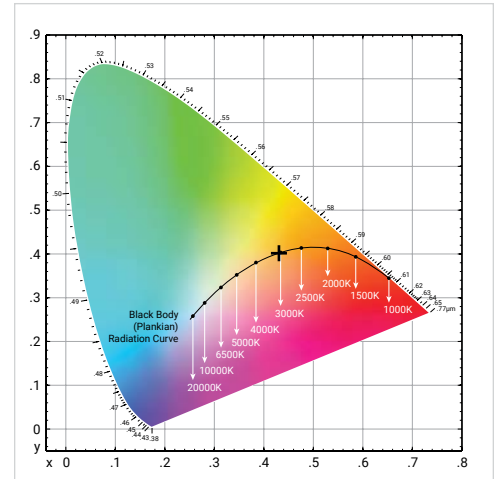
Photo Parameters

Luminous Flux: 635.93 lm
 Luminous Efficacy: 83.9 lm/W
 Radiant Flux: 2228.86 mW
 Iv: 0.0 mcd

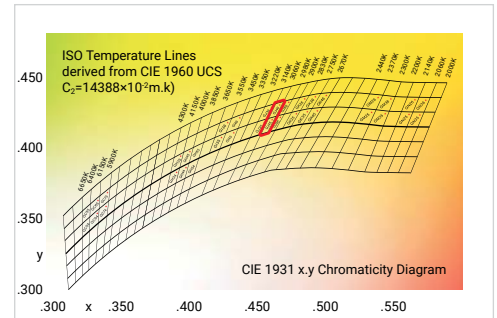
Electrical Parameters

Voltage: U=12.000V
 Current: I=0.6317A
 Power: P=7.58W
 Power Factor: PF=1.000

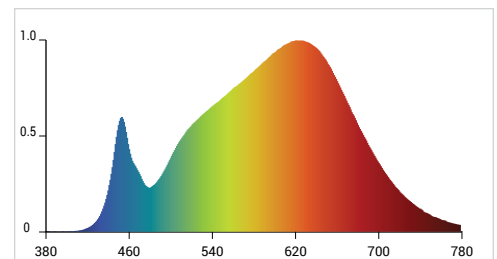
C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=49.9%, G=39.4%, B=10.7%



B3528-12V-120-8mm-9.6W-3500K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4044, y=0.3931, u=0.2342, v=0.3414, duv=0.0012$
 Correlated Color Temperature: 3624K
 Dominant Wave.: 578.2nm
 Purity: 39.4%
 Flux RGB Ratio: R=20.1%, G=77.9%, B=2.1%
 Peak Wave: 598.7nm
 Half Width: 145.3nm

Rendering Index: Ra=93.9

R1=95 R2=95 R3=94 R4=94 R5=94 R6=92 R7=97 R8=96
 R9=73 R10=88 R11=95 R12=75 R13=96 R14=96 R15=97

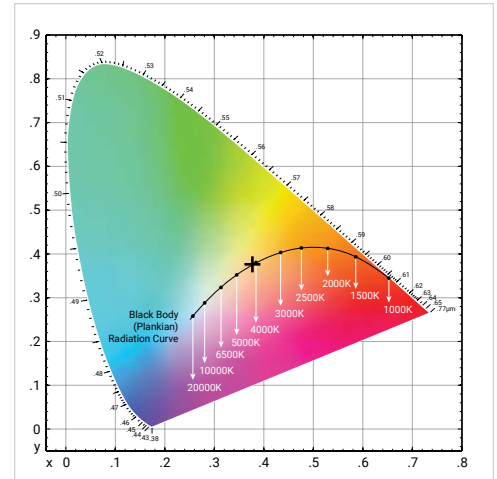
Photo Parameters

Luminous Flux: 631.2 lm
 Luminous Efficacy: 85.3 lm/W
 Radiant Flux: 1924.86 mW
 Iv: 0.0 mcd

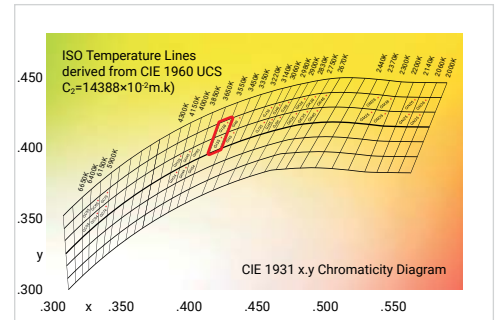
Electrical Parameters

Voltage: U=12.000V
 Current: I=0.62A
 Power: P=7.40W
 Power Factor: PF=1.000

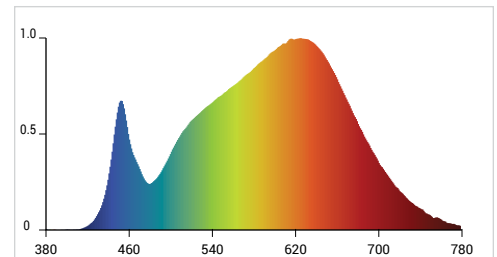
C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=43.1%, G=40.6%, B=16.3%



B3528-12V-120-8mm-9.6W-4200K-IP22/IP68

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3786, y=0.378, u=0.2234, v=0.3346, duv=0.0012$
 Correlated Color Temperature: 4212K
 Dominant Wave.: 578.2nm
 Purity: 27.1%
 Flux RGB Ratio: R=19.4%, G=78.1%, B=2.5%
 Peak Wave: 451.6nm
 Half Width: 24.9nm

Rendering Index: Ra=93.2

R1=94 R2=94 R3=92 R4=93 R5=92 R6=90 R7=98 R8=94
 R9=81 R10=84 R11=92 R12=68 R13=94 R14=95 R15=94

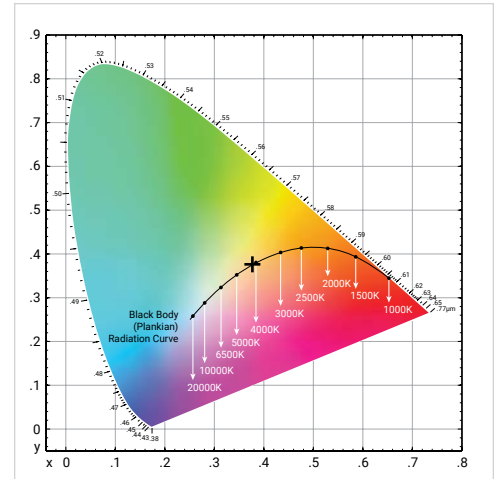
Photo Parameters

Luminous Flux: 761.4 lm
 Luminous Efficacy: 84.6 lm/W
 Radiant Flux: 2498.3 mW
 Iv: 0.0 mcd

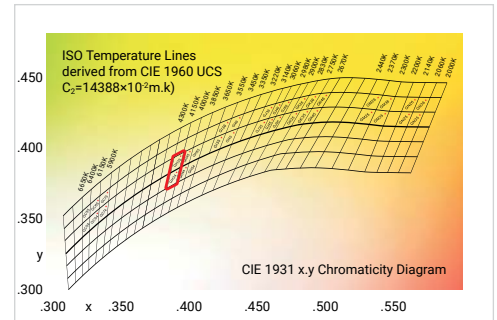
Electrical Parameters

Voltage: U=12.000V
 Current: I=0.7500A
 Power: P=9.00W
 Power Factor: PF=1.000

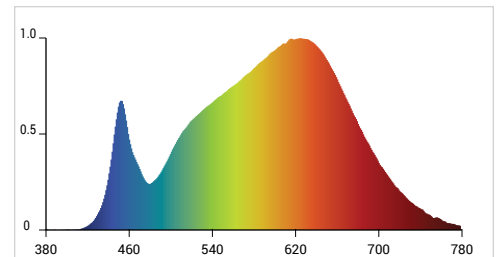
C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=43.1%, G=40.6%, B=16.3%



B3528-12V-120-8mm-9.6W-5000K-IP22/IP68
Test Data for 1 Meter LED Strip Length



Coming Soon