

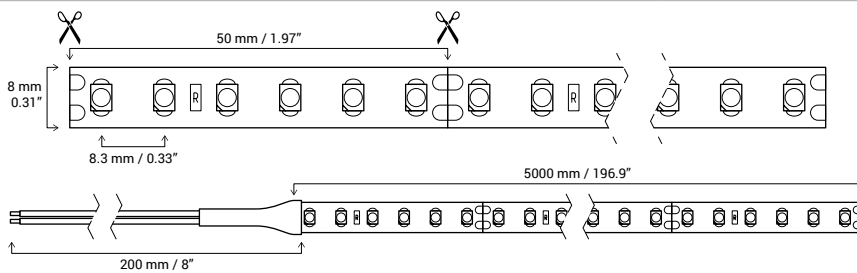
B3528-24V-120-8mm-4.8W-XXK-IPYY-NDA

Specification Sheet



PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	3528		
Strip Width	5/16 in	8 mm (IP22)	10 mm (IP68)
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
Storage Temperature	-40°C to +80°C	Operating Temperature	-25°C to +40°C
Lifespan	50 000 Hrs		



ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
Rated Power (Max.)	1.5 W/ft	4.8 W/m	24 W/roll total

LP1

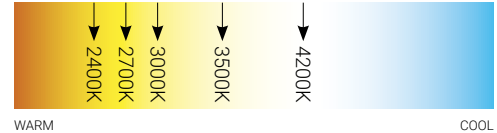


Electrical Input

Rated Power (Max.)

CONSTANT VOLTAGE	24V DC	24 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-4.8W-2400K-IP22	LM28097-24	IP22	2400K	124.2 lm/ft	407.4 lm/m	2037 lm/roll	80.8 lm/W	91.1	58	0.0028
B3528-24V-120-8mm-4.8W-2400K-IP68	LM28097-26	IP68	(Soft White)							
B3528-24V-120-8mm-4.8W-2700K-IP22	LM28096-25	IP22	2700K	127.6 lm/ft	418.7 lm/m	2094 lm/roll	87.2 lm/W	92.7	66	0.0017
B3528-24V-120-8mm-4.8W-2700K-IP68	LM28097-29	IP68	(Soft White)							
B3528-24V-120-8mm-4.8W-3000K-IP22	LM28097-30	IP22	3000K	138.0 lm/ft	452.8 lm/m	2264 lm/roll	89.8 lm/W	92.1	66	0.0001
B3528-24V-120-8mm-4.8W-3000K-IP68	LM28097-32	IP68	(Warm White)							
B3528-24V-120-8mm-4.8W-3500K-IP22	LM28097-34	IP22	3500K	140.9 lm/ft	462.4 lm/m	2312 lm/roll	91.7 lm/W	92.1	72	0.0017
B3528-24V-120-8mm-4.8W-3500K-IP68	LM28097-37	IP68	(Bright White)							
B3528-24V-120-8mm-4.8W-4200K-IP22	LM28097-42	IP22	4200K	142.8 lm/ft	468.4 lm/m	2342 lm/roll	92.9 lm/W	91.2	53	0.0015
B3528-24V-120-8mm-4.8W-4200K-IP68	LM28097-44	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

Office & Showroom:
9221, rue Edison, Montreal, Quebec, H1J 1T4, Canada

Toll Free: 1-855-384-3384
E-mail: info@lumentruss.com
www.lumentruss.com

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B3528-24V-120-8mm-4.8W-2400K-IP22/IP68-NDA

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4949, y=0.4239, u=0.2789, v=0.3584, duv=0.0028$
 Correlated Color Temperature: 2369K
 Dominant Wave.: 585.3nm
 Purity: 75.8%
 Flux RGB Ratio: R=29.2%, G=70.0%, B=0.8%
 Peak Wave: 631.6nm
 Half Width: 134.2nm

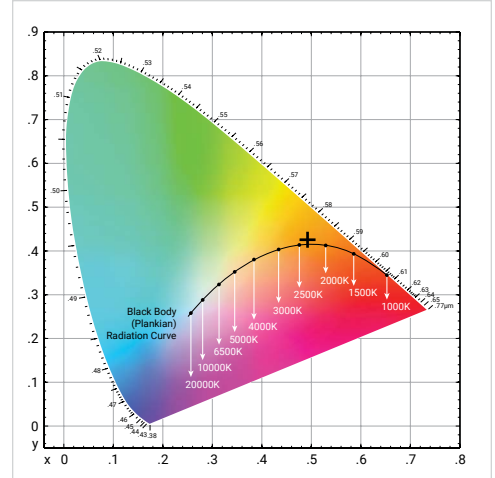
Rendering Index: Ra= 91.1

R1 = 92 R2 = 94 R3 = 96 R4 = 92 R5 = 90 R6 = 94 R7 = 93 R8 = 81
 R9 = 58 R10=86 R11=94 R12=82 R13=92 R14=97 R15=87

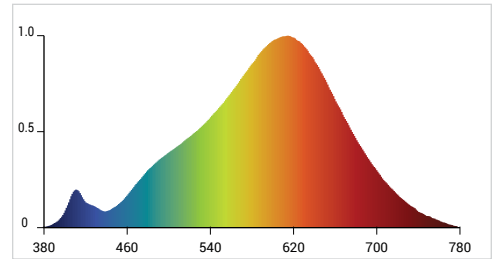
Photo Parameters

Luminous Flux: 407.4 lm
 Luminous Efficacy: 80.8 lm/W
 Radiant Flux: 1473.3 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=61.3%, G=34.3%, B=4.3%



B3528-24V-120-8mm-4.8W-2700K-IP22/IP68-NDA

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4516, y=0.4130, u=0.2561, v=0.3514, duv=0.0017$
 Correlated Color Temperature: 2838K
 Dominant Wave.: 583.0nm
 Purity: 59.5%
 Flux RGB Ratio: R=25.2%, G=73.5%, B=1.4%
 Peak Wave: 628.5nm
 Half Width: 164.4nm

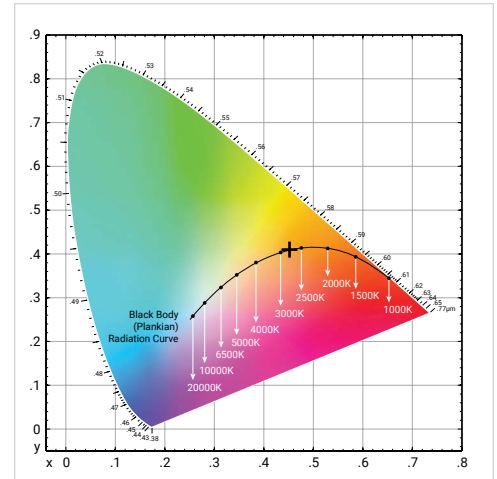
Rendering Index: Ra= 92.7

R1 = 93 R2 = 94 R3 = 95 R4 = 94 R5 = 92 R6 = 93 R7 = 95 R8 = 86
 R9 = 66 R10=86 R11=94 R12=77 R13=93 R14=96 R15=90

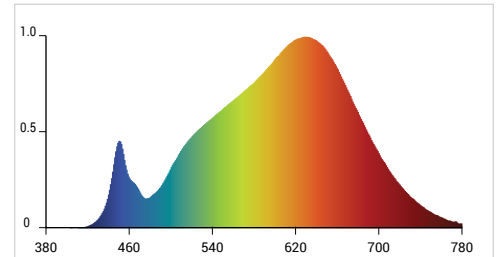
Photo Parameters

Luminous Flux: 418.7 lm
 Luminous Efficacy: 87.2 lm/W
 Radiant Flux: 1575.4 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=54.5%, G=37.4%, B=8.1%



B3528-24V-120-8mm-4.8W-3000K-IP22/IP68-NDA

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4306, y=0.4021, u=0.2473, v=0.3464, duv=0.0001$
 Correlated Color Temperature: 3093K
 Dominant Wave.: 582.4nm
 Purity: 49.9%
 Flux RGB Ratio: R=23.5%, G=74.8%, B=1.7%
 Peak Wave: 626.6nm
 Half Width: 172.5nm

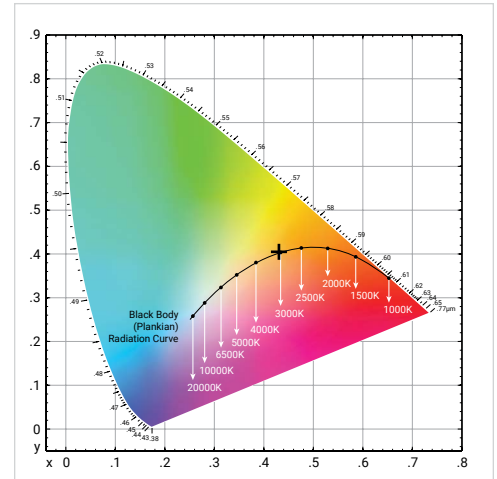
Rendering Index: Ra= 92.1

R1 =92 R2 =94 R3 =94 R4 =92 R5 =91 R6 =92 R7 =95 R8 =86
 R9 =66 R10=85 R11=92 R12=74 R13=93 R14=96 R15=90

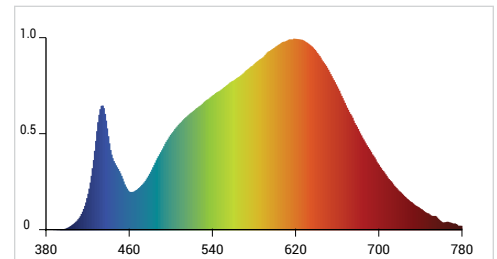
Photo Parameters

Luminous Flux: 452.8 lm
 Luminous Efficacy: 89.8 lm/W
 Radiant Flux: 1475.5 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=50.6%, G=38.9%, B=10.5%



B3528-24V-120-8mm-4.8W-3500K-IP22/IP68-NDA

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.4069, y=0.3955, u=0.2348, v=0.3423, duv=0.0017$
 Correlated Color Temperature: 3503K
 Dominant Wave.: 580.2nm
 Purity: 40.8%
 Flux RGB Ratio: R=21.3%, G=76.7%, B=2.0%
 Peak Wave: 628.5nm
 Half Width: 185.0nm

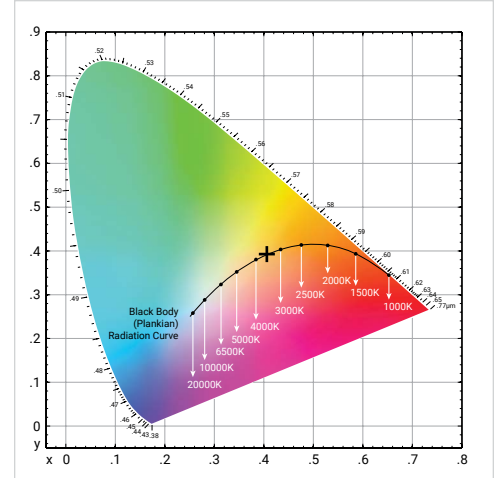
Rendering Index: Ra= 92.1

R1 =93 R2 =94 R3 =93 R4 =93 R5 =91 R6 =89 R7 =97 R8 =90
 R9 =72 R10=83 R11=92 R12=69 R13=93 R14=95 R15=92

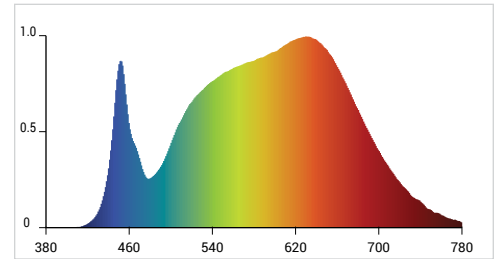
Photo Parameters

Luminous Flux: 462.4 lm
 Luminous Efficacy: 91.7 lm/W
 Radiant Flux: 1462.8 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=47.1%, G=40.2%, B=12.7%



B3528-24V-120-8mm-4.8W-4200K-IP22/IP68-NDA

Test Data for 1 Meter LED Strip Length



Chroma Parameters

Chromaticity Coordinates: $x=0.3744, y=0.3761, u=0.2214, v=0.3336, duv=0.0015$
 Correlated Color Temperature: 4165K
 Dominant Wave.: 577.6nm
 Purity: 25.2%
 Flux RGB Ratio: R=18.9%, G=78.3%, B=2.8%
 Peak Wave: 450.5nm
 Half Width: 25.4nm

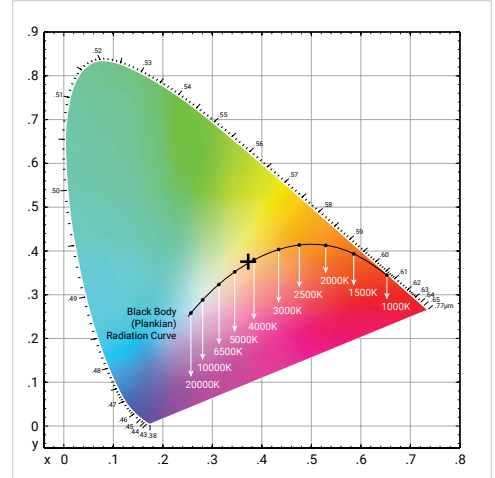
Rendering Index: Ra= 91.2

R1 =91 R2 =95 R3 =97 R4 =91 R5 =90 R6 =92 R7 =92 R8 =81
 R9 =53 R10=87 R11=91 R12=69 R13=92 R14=98 R15=87

Photo Parameters

Luminous Flux: 468.4 lm
 Luminous Efficacy: 92.9 lm/W
 Radiant Flux: 1507.5 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=37.3%, G=44.3%, B=18.4%

