

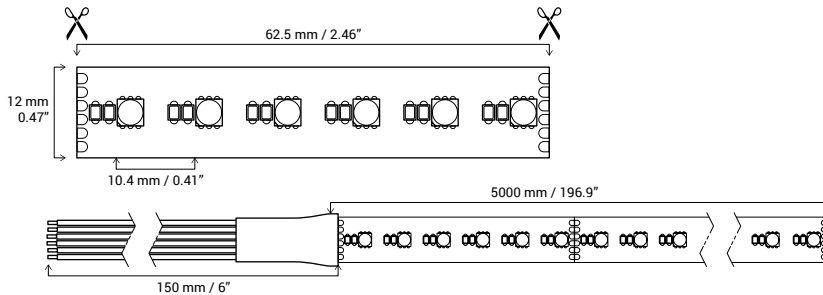
B3535-24V-96-12mm-12W-RGB/24-65-IP22/IP68

Specification Sheet



PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	3535		
Strip Width	1/2 in	12 mm (IP22)	14 mm (IP68)
Strip Total Length (Roll)	16.4 ft	5 m	
LED Linear Density	29 LED/ft	96 LED/m	480 LED/roll total
Can be cut at every	2.46 (27/16) in	62.5 mm	6 LED
Storage Temperature	75°C (max.)	Operating Temperature	-25°C to +40°C
Lifespan	50 000 Hrs		



Electrical Input

Rated Power (Max.)

CONSTANT
VOLTAGE**24V DC****60 W/roll**

ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
Rated Power	3.66 W/ft	12 W/m	60W/roll total

PRODUCT RANGE Part Number	Code	IP	Luminous Flux (lm/m)					Luminous Efficacy (lm/W)					CCT (K)*		CRI**	
			CW	WW	R	G	B	CW	WW	R	G	B	CW	WW	CW	WW
B3535-24V-96-12mm-12W-RGB/24-65-IP22	LM28339-02	IP22	213	185	62	245	63	95	83	26	102	28	6776	2351	92.2	90.1
B3535-24V-96-12mm-12W-RGB/24-65-IP68	LM28339-03	IP68														

CCT* - Correlated Color Temperature
CRI** - Colour Rendering Index

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B3535-24V-96-12mm-12W-RGB/24-65-IP22/IP68

Test Data for 1 Meter LED Strip Length (Cool White)



Chroma Parameters

Chromaticity Coordinates: $x=0.3084, y=0.3254, u=0.1962, v=0.3105, duv=0.0035$
 Correlated Color Temperature: 6776K
 Dominant Wave.: 487.5nm
 Purity: 9.0%
 Flux RGB Ratio: R=14.4%, G=80.8%, B=4.8%
 Peak Wave: 452.5nm
 Half Width: 22.6nm

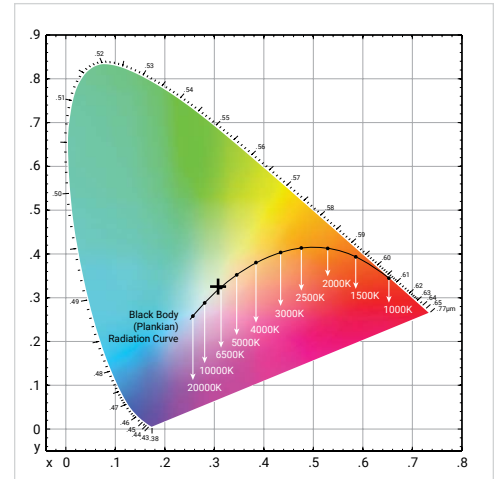
Rendering Index: Ra=92.2

R1 = 92 R2 = 96 R3 = 95 R4 = 89 R5 = 90 R6 = 90 R7 = 94 R8 = 90
 R9 = 75 R10=88 R11=89 R12=60 R13=94 R14=97 R15=91

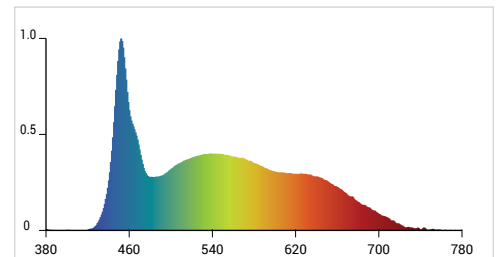
Photo Parameters

Luminous Flux: 213.36 lm
 Luminous Efficacy: 94.8 lm/W
 Radiant Flux: 711.3 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=28.0%, G=42.9%, B=29.1%



B3535-24V-96-12mm-12W-RGB/24-65-IP22/IP68

Test Data for 1 Meter LED Strip Length (Warm White)



Chroma Parameters

Chromaticity Coordinates: $x=0.4998, y=0.4290, u=0.2797, v=0.3601, duv=0.0044$
 Correlated Color Temperature: 2351K
 Dominant Wave.: 585.0nm
 Purity: 78.8%
 Flux RGB Ratio: R=29.1%, G=70.2%, B=0.7%
 Peak Wave: 628.5nm
 Half Width: 127.9nm

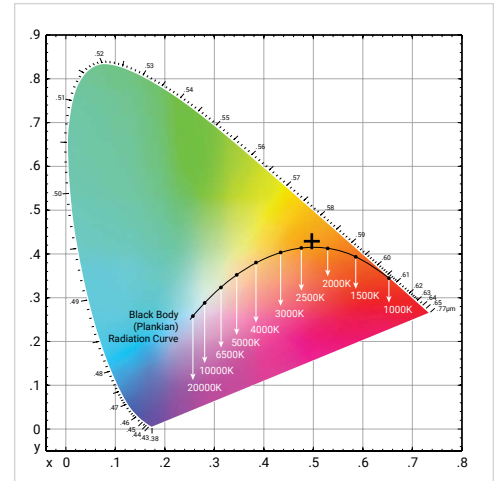
Rendering Index: Ra=90.1

R1 = 89 R2 = 93 R3 = 96 R4 = 91 R5 = 89 R6 = 93 R7 = 92 R8 = 79
 R9 = 52 R10=83 R11=92 R12=76 R13=90 R14=96 R15=84

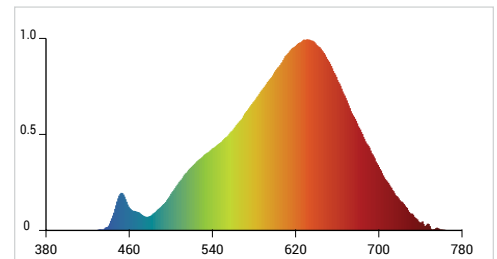
Photo Parameters

Luminous Flux: 185.07 lm
 Luminous Efficacy: 82.9 lm/W
 Radiant Flux: 618.9 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=60.3%, G=35.8%, B=3.9%



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Test Data for 1 Meter LED Strip Length (Red)



Chroma Parameters

Chromaticity Coordinates: $x=0.6932, y=0.3055, u=0.5251, v=0.3472, duv=-0.0009$
 Correlated Color Temperature: 1339K
 Dominant Wave.: 621.5nm
 Purity: 99.6%
 Flux RGB Ratio: R=97.0%, G=3.0%, B=0.0%
 Peak Wave: 630.5nm
 Half Width: 16.6nm

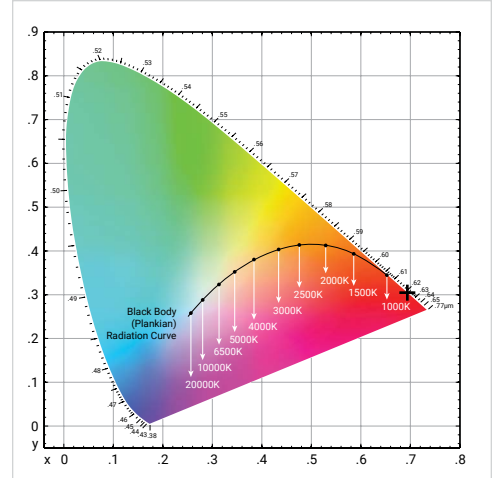
Rendering Index: Ra=-13.3

R1=-33 R2=62 R3=8 R4=-71 R5=-38 R6=51 R7=4 R8=-89
 R9=-311 R10=52 R11=-83 R12=27 R13=-6 R14=39 R15=-65

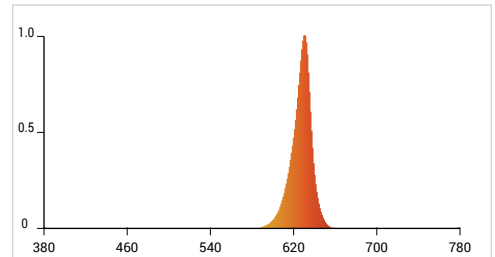
Photo Parameters

Luminous Flux: 61.97 lm
 Luminous Efficacy: 26.1 lm/W
 Radiant Flux: 298.0 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=98.6%, G=1.3%, B=0.2%



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Test Data for 1 Meter LED Strip Length (Green)



Chroma Parameters

Chromaticity Coordinates: $x=0.1882, y=0.7472, u=0.0649, v=0.3868, duv=0.1552$
 Correlated Color Temperature: 7461K
 Dominant Wave.: 532.1nm
 Purity: 89.4%
 Flux RGB Ratio: R=0.0%, G=99.9%, B=0.1%
 Peak Wave: 524.6nm
 Half Width: 30.8nm

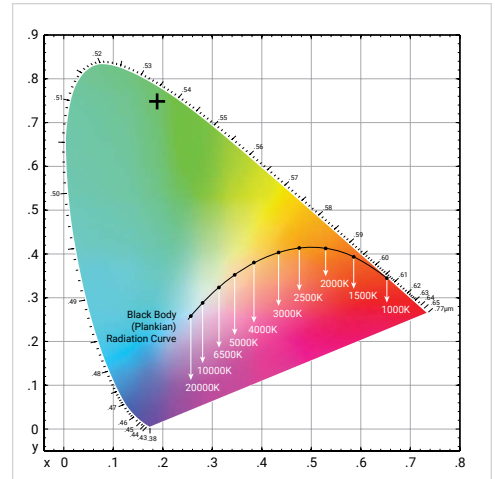
Rendering Index: Ra=-33.7

R1=-39 R2=-18 R3=-38 R4=-77 R5=-14 R6=-22 R7=-17 R8=-41
 R9=-376 R10=-125 R11=-110 R12=-46 R13=-46 R14=30 R15=-38

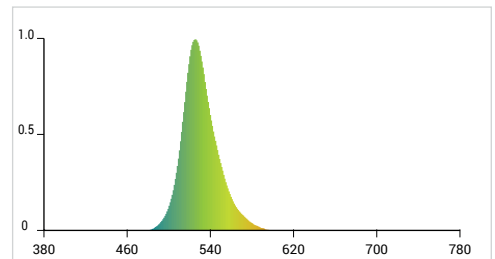
Photo Parameters

Luminous Flux: 245.44 lm
 Luminous Efficacy: 102.2 lm/W
 Radiant Flux: 403.5 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=0.1%, G=99.6%, B=0.4%



B3535-24V-96-12mm-12W-RGB/24-65-IP22/IP68

Test Data for 1 Meter LED Strip Length (Blue)



Chroma Parameters

Chromaticity Coordinates: $x=0.1173, y=0.0955, u=0.1200, v=0.1464, duv=0.0291$
 Correlated Color Temperature: 100000K
 Dominant Wave.: 475.0nm
 Purity: 96.5%
 Flux RGB Ratio: R=0.1%, G=31.1%, B=68.8%
 Peak Wave: 471.5nm
 Half Width: 19.7nm

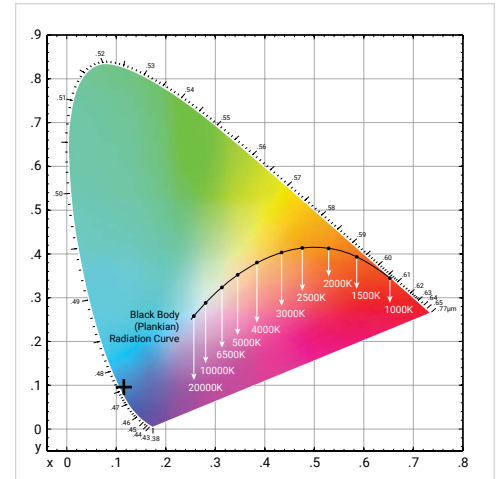
Rendering Index: Ra=-48.5

R1=-18 R2=-42 R3=-121 R4=-75 R5=-4 R6=-56 R7=-39 R8=-29
 R9=-292 R10=-232 R11=-104 R12=-96 R13=-38 R14=-25 R15=-3

Photo Parameters

Luminous Flux: 63.33 lm
 Luminous Efficacy: 28.1 lm/W
 Radiant Flux: 608.9 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=0.2%, G=12.1%, B=87.8%

