

B5050-24V-60-12MM-14.4W-RGB3000K-4IN1

Specification Sheet

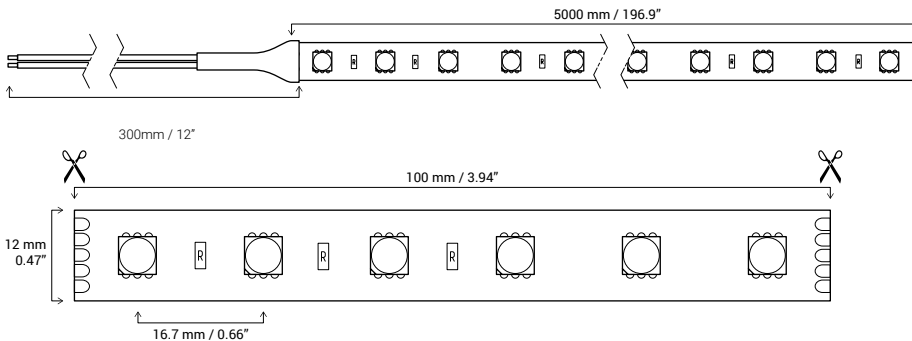


PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	5050		
Strip Width	1/2 in	12 mm (IP20)	14 mm (IP67)
Strip Total Length (Roll)	16.4 ft	5 m	
LED Linear Density	18.3 LED/ft	60 LED/m	300 LED/roll total
Can be cut at every	3.94 in	100 mm	6 LED
Storage Temperature	-40°C to +80°C	Operating Temperature	-20°C to +40°C
Lifespan	50 000 Hrs		

ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	24V DC		
Rated Power (Max.)	4.4 W/ft	14.4 W/m	72 W/roll total



Electrical Input

Rated Power (Max.)

CONSTANT VOLTAGE	24V DC	72 W/roll
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PRODUCT RANGE

Part Number	Code	IP	CCT*	Flux RGB Ratio	Luminous Flux (White)	Luminous Efficacy	CRI**	duv***
B5050-24V-60-12MM-14.4W-RGB3000K-IP22	LM28339	IP22	RGB+ 3000K	R=96.8% G=99.0% B=81.2%	300.5 lm	73.6lm/W	82.3	0.0009
B5050-24V-60-12MM-14.4W-RGB3000K-IP68	LM28339-05	IP68						

Information for 1m of tape

CCT* - Correlated Color Temperature
 CRI** - Colour Rendering Index
 duv*** - Black-body Curve Deviation

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Test Data for 1 Meter LED Strip Length (White)



Chroma Parameters

Chromaticity Coordinates: $x=0.4432, y=0.4084, u=0.2527, v=0.3493, duv=0.0009$
 Correlated Color Temperature: 2932K
 Dominant Wave.: 582.8nm
 Purity: 55.6%
 Flux RGB Ratio: R=23.3%, G=75.2%, B=1.6%
 Peak Wave: 603.7nm
 Half Width: 120.5nm

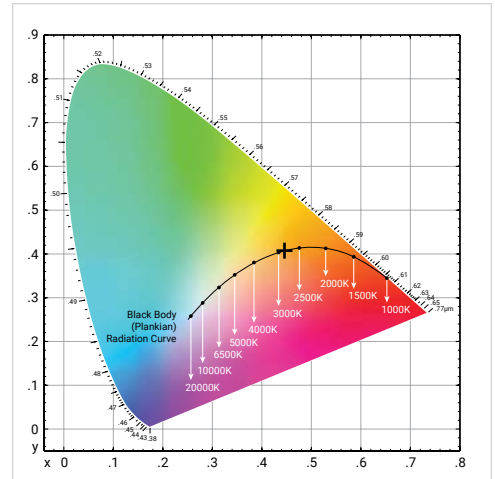
Rendering Index: Ra=82.3

R1 = 80 R2 = 91 R3 = 96 R4 = 81 R5 = 82 R6 = 91 R7 = 81 R8 = 56
 R9 = 4 R10=80 R11=81 R12=74 R13=82 R14=99 R15=72

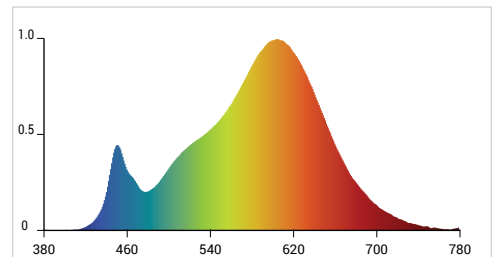
Photo Parameters

Luminous Flux: 300.45 lm
 Luminous Efficacy: 73.6 lm/W
 Radiant Flux: 994.6 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=43.1%, G=45.9%, B=11.1%



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Test Data for 1 Meter LED Strip Length (Red)



Chroma Parameters

Chromaticity Coordinates: $x=0.6959, y=0.3035, u=0.5302, v=0.3468, duv=-0.0008$
 Correlated Color Temperature: 1362K
 Dominant Wave.: 622.6nm
 Purity: 99.8%
 Flux RGB Ratio: R=96.8%, G=3.2%, B=0.0%
 Peak Wave: 632.5nm
 Half Width: 18.7nm

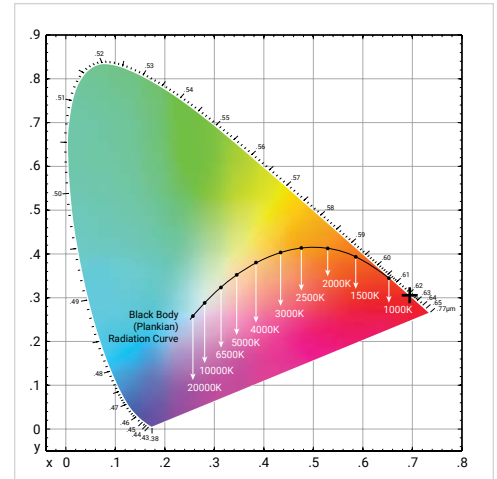
Rendering Index: Ra=-12.7

R1 = -31 R2 = 64 R3 = 7 R4 = -77 R5 = -44 R6 = 38 R7 = 14 R8 = -77
 R9 = -300 R10=54 R11=-92 R12=14 R13=-3 R14=37 R15=-57

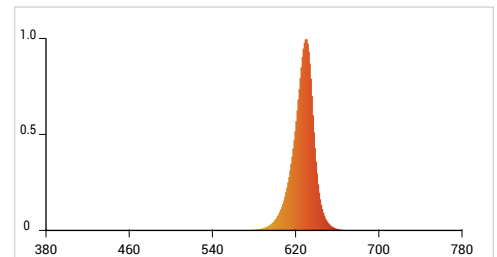
Photo Parameters

Luminous Flux: 75.68 lm
 Luminous Efficacy: 22.2 lm/W
 Radiant Flux: 479.4 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=98.7%, G=1.3%, B=0.0%



B5050-24V-60-12MM-14.4W-RGB3000K-I4IN1

Test Data for 1 Meter LED Strip Length (Green)



Chroma Parameters

Chromaticity Coordinates: $x=0.1241, y=0.7133, u=0.0439, v=0.3784, duv=0.1691$
 Correlated Color Temperature: 8721K
 Dominant Wave.: 518.1nm
 Purity: 76.5%
 Flux RGB Ratio: R=0.2%, G=99.0%, B=0.9%
 Peak Wave: 514.5nm
 Half Width: 30.3nm

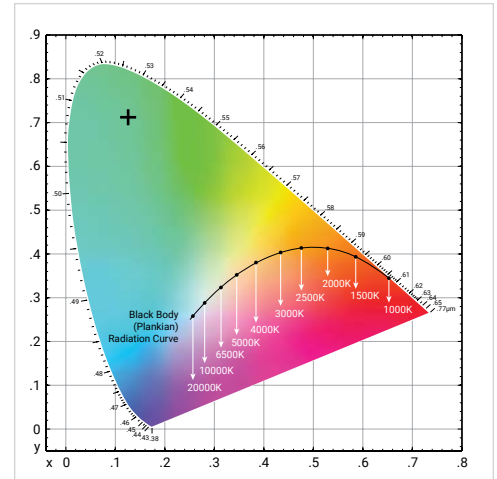
Rendering Index: Ra=-26.5

R1 = -34 R2 = -10 R3 = -31 R4 = -71 R5 = -13 R6 = -19 R7 = -4 R8 = -26
 R9 = -354 R10 = -111 R11 = -97 R12 = -34 R13 = -42 R14 = 34 R15 = -30

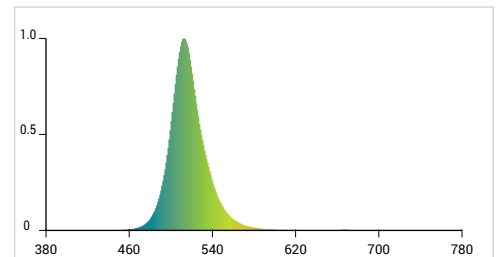
Photo Parameters

Luminous Flux: 176.07 lm
 Luminous Efficacy: 48.9 lm/W
 Radiant Flux: 417.4 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=0.3%, G=96.0%, B=3.7%



B5050-24V-60-12MM-14.4W-RGB3000K-4IN1

Test Data for 1 Meter LED Strip Length (Blue)



Chroma Parameters

Chromaticity Coordinates: $x=0.1422, y=0.0419, u=0.1767, v=0.0781, duv=-0.0427$
 Correlated Color Temperature: 100000K
 Dominant Wave.: 463.4nm
 Purity: 98.1%
 Flux RGB Ratio: R=0.1%, G=18.7%, B=81.2%
 Peak Wave: 458.7nm
 Half Width: 23.8nm

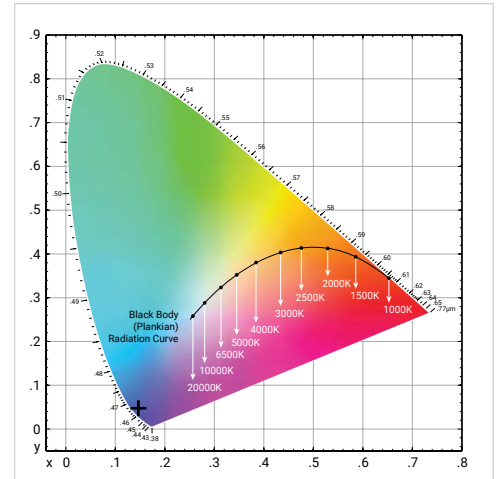
Rendering Index: Ra=-60.0

R1 = -11 R2 = -44 R3 = -141 R4 = -94 R5 = -18 R6 = -74 R7 = -54 R8 = -35
 R9 = -290 R10 = -237 R11 = -128 R12 = -129 R13 = -27 R14 = -31 R15 = 10

Photo Parameters

Luminous Flux: 33.66 lm
 Luminous Efficacy: 9.8 lm/W
 Radiant Flux: 616.3 mW
 Iv: 0.0 mcd

C.I.E. 1931 Chromaticity Diagram



Spectral Ratio: R=0.1%, G=3.9%, B=96.0%

