

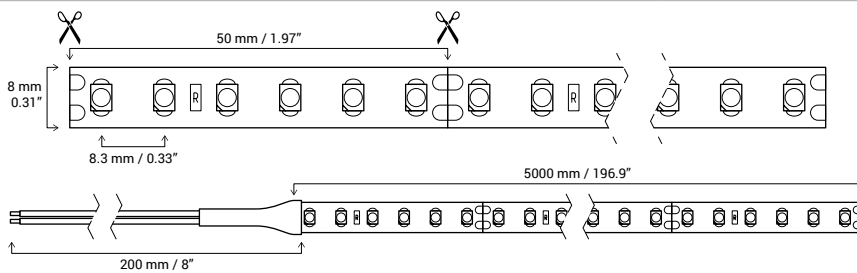
B3528-24V-120-8mm-4.8W-XXK-IPYY-NDA

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 |

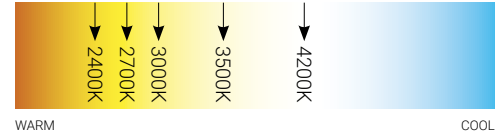


Electrical Input

Rated Power (Max.)

| | | |
|------------------|---------------|------------------|
| CONSTANT VOLTAGE | 24V DC | 24 W/roll |
|------------------|---------------|------------------|

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 | LM28097-03 | 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

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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

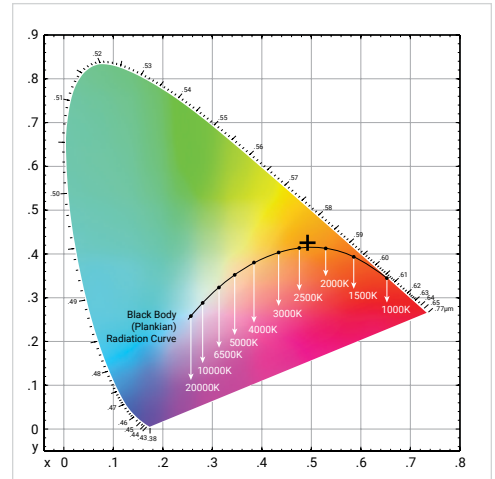
Rendering Index: Ra= 91.1

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

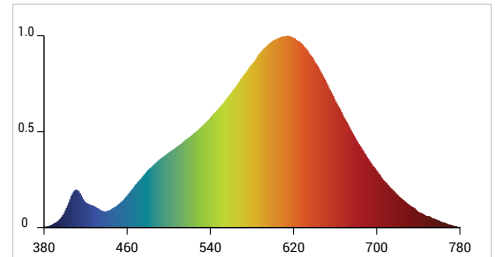
Photo Parameters

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

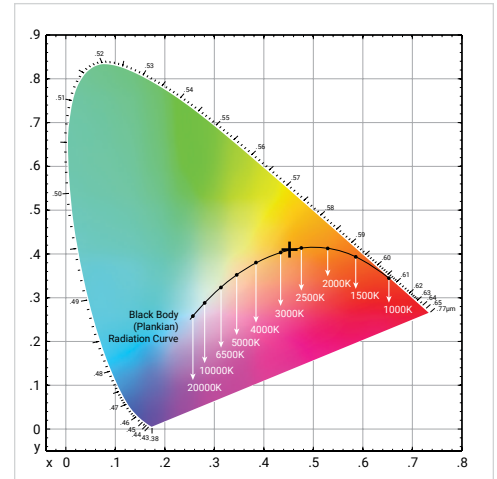
Rendering Index: Ra= 92.7

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

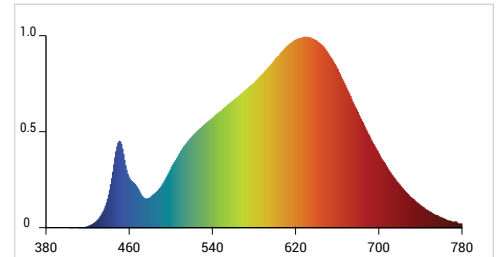
Photo Parameters

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

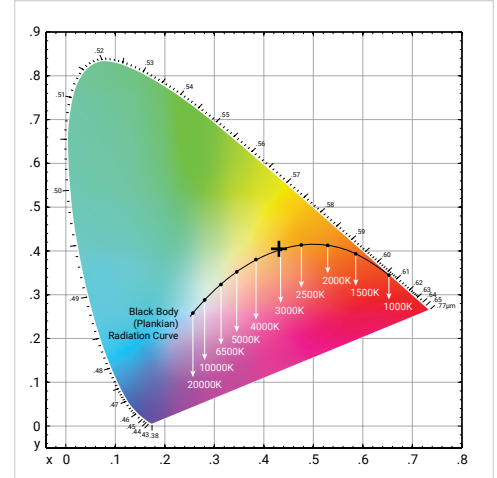
Rendering Index: Ra= 92.1

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

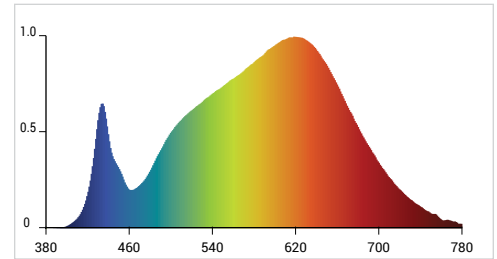
Photo Parameters

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

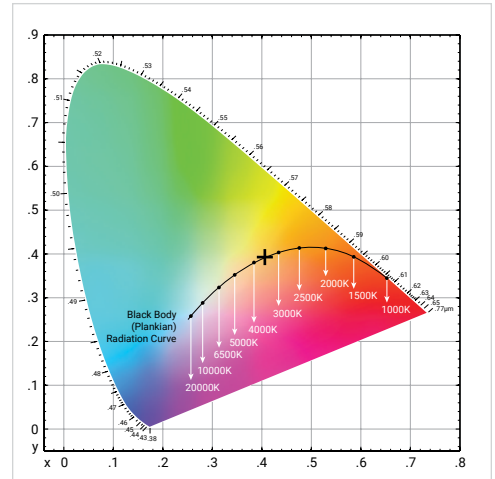
Rendering Index: Ra= 92.1

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

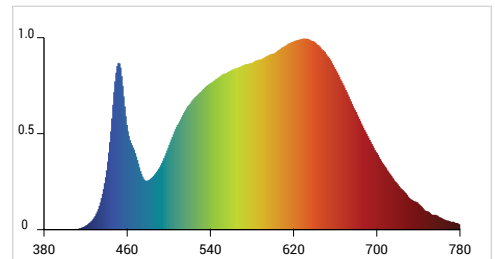
Photo Parameters

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

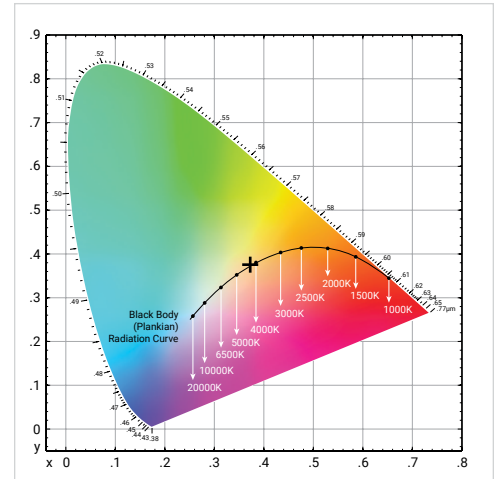
Rendering Index: Ra= 91.2

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%

