

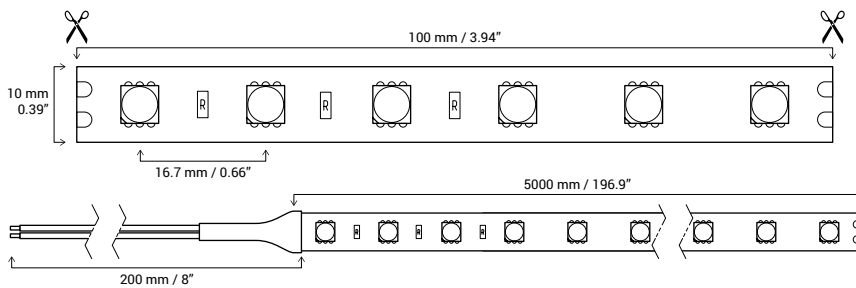
# B5050-24V-60-10mm-14.4W-XXK-IPYY

## Specification Sheet



### PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	5050		
Strip Width	2/5 in	10 mm	
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
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

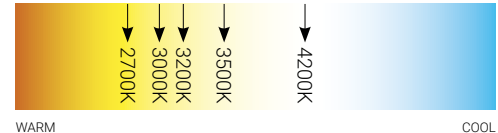


Electrical Input

Rated Power (Max.)

CONSTANT VOLTAGE	<b>24V DC</b>	<b>72 W/roll</b>
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Correlated Color Temperature (CCT)



### PRODUCT RANGE

Part Number	Code	IP	CCT*		Luminous Flux		Luminous Efficacy	CRI**	R9	duv***
B5050-24V-60-10mm-14.4W-2700K-IP22	LM28149-01	IP22	2700K		-	-	-	-	-	-
B5050-24V-60-10mm-14.4W-2700K-IP68		IP68	(Soft White)							
B5050-24V-60-10mm-14.4W-3000K-IP22	LM28149-02	IP22	3000K	304 lm/ft	997.53 lm/m	4988 lm/roll	81.1 lm/W	92.3	68	0.0021
B5050-24V-60-10mm-14.4W-3000K-IP68		IP68	(Warm White)							
B5050-24V-60-10mm-14.4W-3200K-IP22	LM28149-12	IP22	3200K	-	-	-	-	-	-	-
B5050-24V-60-10mm-14.4W-3200K-IP68		IP68	(Warm White)							
B5050-24V-60-10mm-14.4W-3500K-IP22		IP22	3500K	307.5 lm/ft	1008.9 lm/m	5045 lm/roll	81.3 lm/W	92.9	70	0.0011
B5050-24V-60-10mm-14.4W-3500K-IP68		IP68	(Bright White)							
B5050-24V-60-10mm-14.4W-4200K-IP22	LM28149-21	IP22	4200K	320.7 lm/ft	1052.3 lm/m	5262 lm/roll	81.7 lm/W	93.4	80	0.0011
B5050-24V-60-10mm-14.4W-4200K-IP68	LM28149-25	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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**B5050-24V-60-10mm-14.4W-2700K-IP22/IP68**  
Test Data for 1 Meter LED Strip Length



**Coming Soon**

# B5050-24V-60-10mm-14.4W-3000K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.4319, y=0.4074, u=0.2459, v=0.3480, duv=0.0021$   
 Correlated Color Temperature: 3074K  
 Dominant Wave.: 581.6nm  
 Purity: 51.9%  
 Flux RGB Ratio: R=23.3%, G=75.0%, B=1.7%  
 Peak Wave: 626.6nm  
 Half Width: 175.4nm

### Rendering Index: Ra=92.3

R1=93 R2=95 R3=95 R4=94 R5=92 R6=91 R7=94 R8=86  
 R9=68 R10=87 R11=94 R12=75 R13=93 R14=97 R15=90

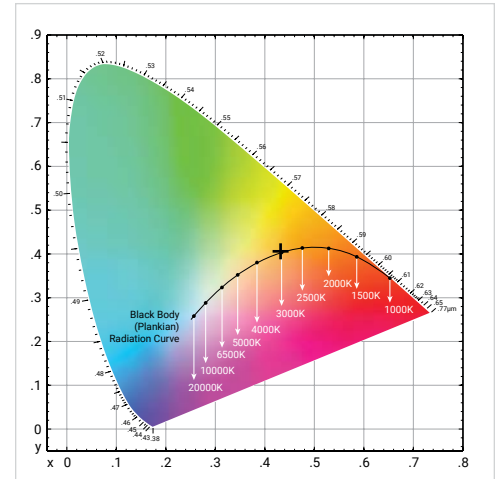
### Photo Parameters

Luminous Flux: 997.53 lm  
 Luminous Efficacy: 81.1 lm/W  
 Radiant Flux: 3511.11 mW  
 Iv: 0.0 mcd

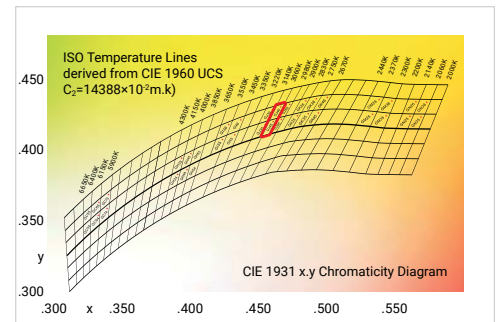
### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.5125A  
 Power: P=12.3W  
 Power Factor: PF=1.000

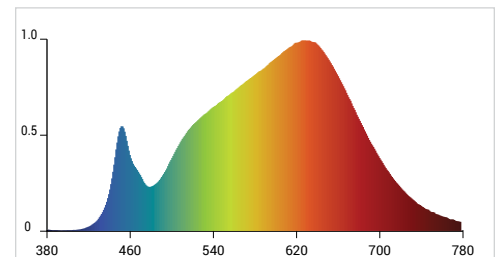
C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=51.0%, G=38.7%, B=10.3%



**B5050-24V-60-10mm-14.4W-3200K-IP22/IP68**  
Test Data for 1 Meter LED Strip Length



# Coming Soon

# B5050-24V-60-10mm-14.4W-3500K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.3984, y=0.3895, u=0.2317, v=0.3398, duv=0.0011$   
 Correlated Color Temperature: 3647K  
 Dominant Wave.: 579.9nm  
 Purity: 36.5%  
 Flux RGB Ratio: R=19.7%, G=78.1%, B=2.2%  
 Peak Wave: 594.8nm  
 Half Width: 148.0nm

### Rendering Index: Ra=92.9

R1=83 R2=91 R3=97 R4=83 R5=83 R6=89 R7=86 R8=65  
 R9=70 R10=79 R11=82 R12=67 R13=85 R14=98 R15=76

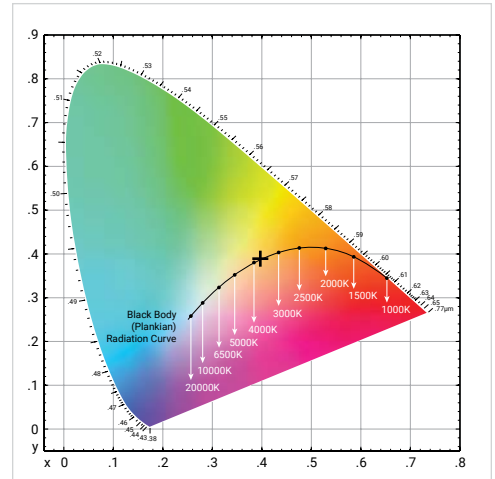
### Photo Parameters

Luminous Flux: 1008.9 lm  
 Luminous Efficacy: 81.3 lm/W  
 Radiant Flux: 3001.65 mW  
 Iv: 0.0 mcd

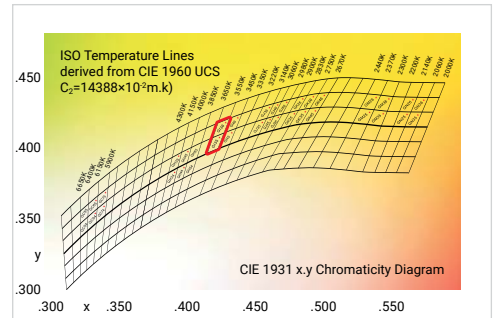
### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.5171A  
 Power: P=12.41W  
 Power Factor: PF=1.000

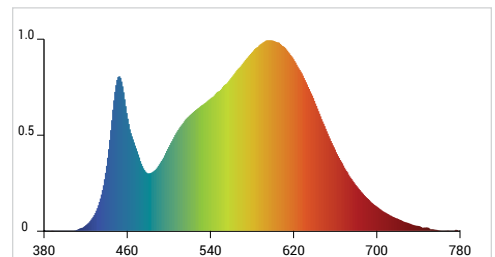
C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=36.0%, G=47.6%, B=16.4%



# B5050-24V-60-10mm-14.4W-4200K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.3803, y=0.3789, u=0.2242, v=0.3350, duv=0.0011$   
 Correlated Color Temperature: 4203K  
 Dominant Wave.: 578.4nm  
 Purity: 27.9%  
 Flux RGB Ratio: R=19.6%, G=77.9%, B=2.6%  
 Peak Wave: 452.1nm  
 Half Width: 25.8nm

### Rendering Index: Ra=93.4

R1=94 R2=95 R3=93 R4=94 R5=92 R6=90 R7=97 R8=93  
 R9=80 R10=86 R11=92 R12=69 R13=94 R14=96 R15=94

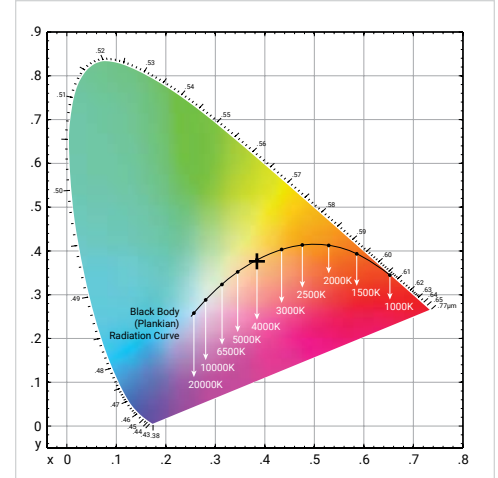
### Photo Parameters

Luminous Flux: 1052.3 lm  
 Luminous Efficacy: 81.7 lm/W  
 Radiant Flux: 3537.25 mW  
 Iv: 0.0 mcd

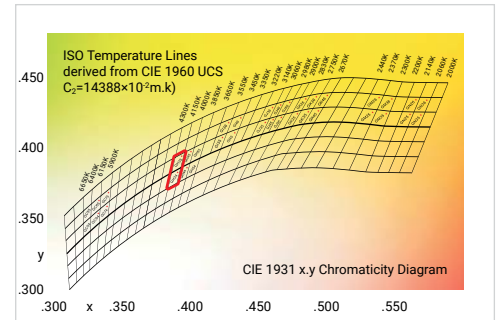
### Electrical Parameters

Voltage: U=24.000V  
 Current: I=0.5367A  
 Power: P=12.88W  
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=43.3%, G=40.3%, B=16.3%

