

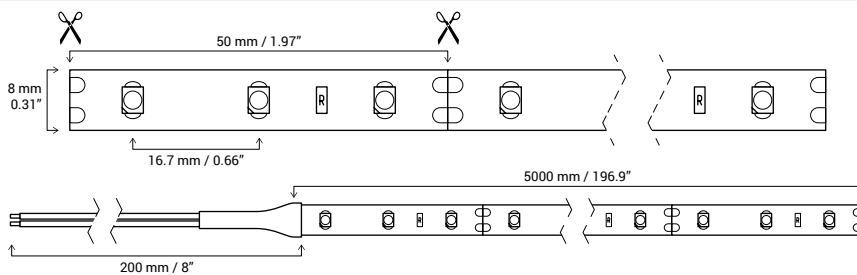
# B3528-12V-60-8mm-4.8W-XXK-IPYY

## Specification Sheet



### PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	3528		
Strip Width	5/16 in	8 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	1.97 in	50 mm	3 LED
Lifespan	50 000 Hrs		



### ELECTRICAL

Input Type	DC, Constant Voltage		
Input Voltage	12V DC		
Rated Power (Max.)	1.5 W/ft	4.8 W/m	24 W/roll total

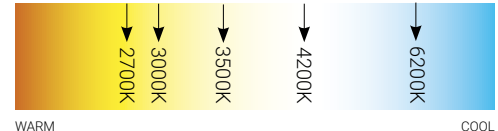


Electrical Input

Rated Power (Max.)

CONSTANT VOLTAGE **12V DC** **24 W/roll**

Correlated Color Temperature (CCT)



### PRODUCT RANGE

Part Number	Code	IP	CCT*	Luminous Flux			Luminous Efficacy	CRI**	R9	duv***
B3528-12V-60-8mm-4.8W-2700K-IP22	LM28096-02	IP22	2700K	-	-	-	-	-	-	-
B3528-12V-60-8mm-4.8W-2700K-IP68	LM28096-01	IP68	(Soft White)	-	-	-	-	-	-	-
B3528-12V-60-8mm-4.8W-3000K-IP22	LM28051	IP22	3000K	109.9 lm/ft	360.5 lm/m	1803 lm/roll	83.4 lm/W	92.8	66	-0.0007
B3528-12V-60-8mm-4.8W-3000K-IP68	LM28053	IP68	(Warm White)	-	-	-	-	-	-	-
B3528-12V-60-8mm-4.8W-3500K-IP22	LM28061	IP22	3500K	108.9 lm/ft	357.3 lm/m	1787 lm/roll	81.2 lm/W	92.8	87	0.0021
B3528-12V-60-8mm-4.8W-3500K-IP68	LM28063	IP68	(Bright White)	-	-	-	-	-	-	-
B3528-12V-60-8mm-4.8W-4200K-IP22	LM28071	IP22	4200K	113.5 lm/ft	372.3 lm/m	1861.3 lm/roll	80.4 lm/W	93.3	82	0.0009
B3528-12V-60-8mm-4.8W-4200K-IP68	LM28073	IP68	(Neutral White)	-	-	-	-	-	-	-
B3528-12V-60-8mm-4.8W-6200K-IP22	LM28081	IP22	6200K	-	-	-	-	-	-	-
B3528-12V-60-8mm-4.8W-6200K-IP68	LM28083	IP68	(Cool 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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**B3528-12V-60-8mm-4.8W-2700K-IP22/IP68**  
Test Data for 1 Meter LED Strip Length



**Coming Soon**

# B3528-12V-60-8mm-4.8W-3000K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.4221, y=0.3967, u=0.2442, v=0.3441, duv=-0.0007$   
 Correlated Color Temperature: 3061K  
 Dominant Wave.: 582.3nm  
 Purity: 45.8%  
 Flux RGB Ratio: R=23.0%, G=75.1%, B=1.9%  
 Peak Wave: 624.6nm  
 Half Width: 174.3nm

### Rendering Index: Ra=92.8

R1=94 R2=96 R3=96 R4=92 R5=92 R6=93 R7=94 R8=86  
 R9=66 R10=88 R11=93 R12=77 R13=94 R14=97 R15=91

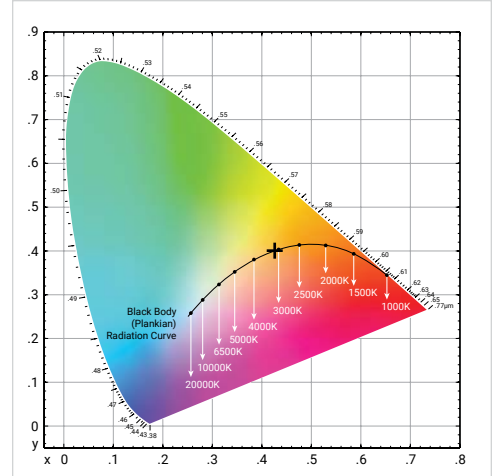
### Photo Parameters

Luminous Flux: 360.5 lm  
 Luminous Efficacy: 83.4 lm/W  
 Radiant Flux: 1583.7 mW  
 Iv: 0.0 mcd

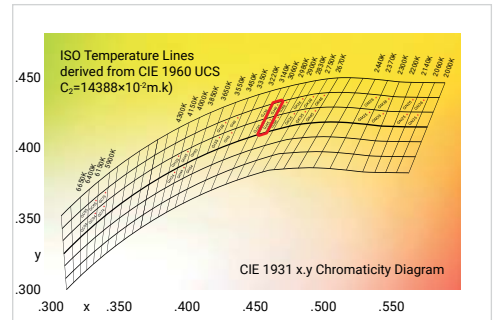
### Electrical Parameters

Voltage: U=12.000V  
 Current: I=0.36A  
 Power: P=4.32W  
 Power Factor: PF=1.000

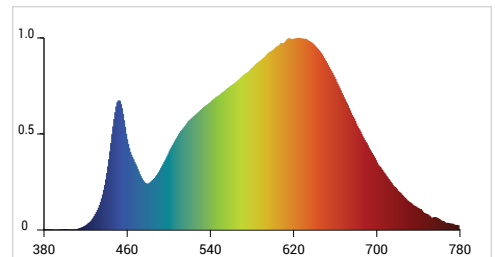
C.I.E. 1931 Chromaticity Diagram



Binning: GJ45-46 (3060-3140K)



Spectral Ratio: R=48.8%, G=39.4%, B=11.8%



# B3528-12V-60-8mm-4.8W-3500K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.3985, y=0.3920, u=0.2308, v=0.3405, duv=0.0021$   
 Correlated Color Temperature: 3621K  
 Dominant Wave.: 579.4nm  
 Purity: 37.3%  
 Flux RGB Ratio: R=19.6%, G=78.2%, B=2.2%  
 Peak Wave: 600.6nm  
 Half Width: 150.5nm

### Rendering Index: Ra=92.8

R1=95 R2=95 R3=93 R4=95 R5=94 R6=91 R7=96 R8=96  
 R9=87 R10=88 R11=96 R12=75 R13=96 R14=95 R15=97

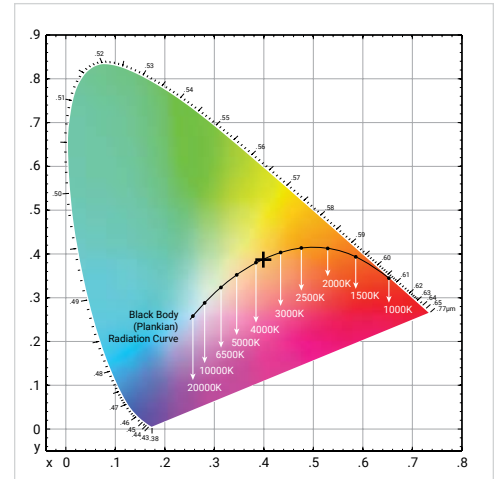
### Photo Parameters

Luminous Flux: 357.3 lm  
 Luminous Efficacy: 81.2 lm/W  
 Radiant Flux: 1387.3 mW  
 Iv: 0.0 mcd

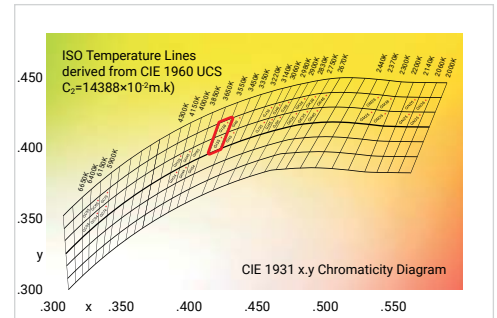
### Electrical Parameters

Voltage: U=12.000V  
 Current: I=0.37A  
 Power: P=4.4W  
 Power Factor: PF=1.000

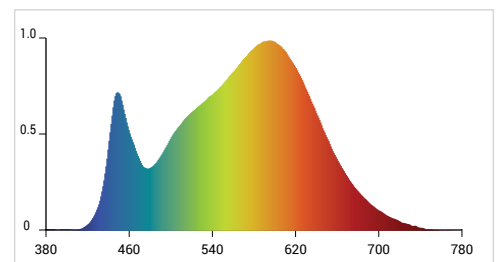
C.I.E. 1931 Chromaticity Diagram



Binning: G135-36 (3550-3650K)



Spectral Ratio: R=36.1%, G=47.8%, B=16.1%



# B3528-12V-60-8mm-4.8W-4200K-IP22/IP68

## Test Data for 1 Meter LED Strip Length



### Chroma Parameters

Chromaticity Coordinates:  $x=0.3784, y=0.3773, u=0.2235, v=0.3343, duv=0.0009$   
 Correlated Color Temperature: 4213K  
 Dominant Wave.: 578.4nm  
 Purity: 26.8%  
 Flux RGB Ratio: R=19.4%, G=78.0%, B=2.6%  
 Peak Wave: 451.8nm  
 Half Width: 24.7nm

### Rendering Index: Ra=93.3

R1=94 R2=94 R3=92 R4=94 R5=92 R6=90 R7=97 R8=94  
 R9=82 R10=84 R11=93 R12=68 R13=94 R14=95 R15=94

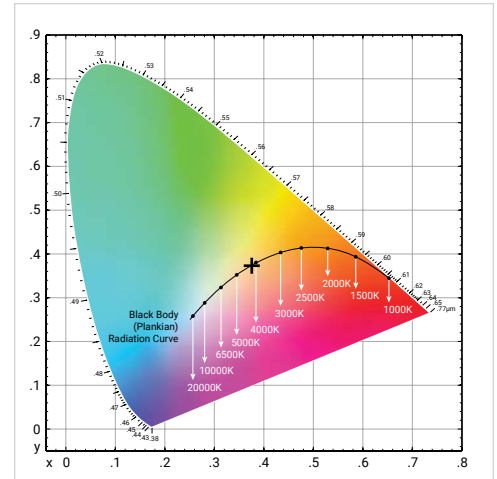
### Photo Parameters

Luminous Flux: 372.3 lm  
 Luminous Efficacy: 80.4 lm/W  
 Radiant Flux: 1381.1 mW  
 Iv: 0.0 mcd

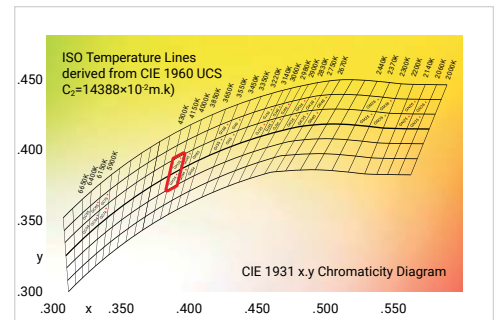
### Electrical Parameters

Voltage: U=12.000V  
 Current: I=0.3858A  
 Power: P=4.63W  
 Power Factor: PF=1.000

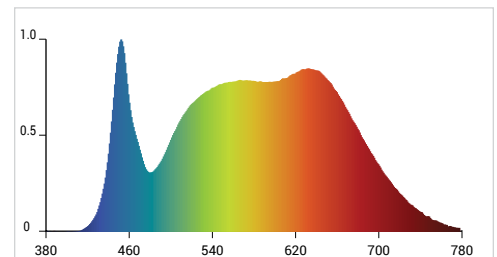
C.I.E. 1931 Chromaticity Diagram



Binning: GH34-35 (4150-4300K)



Spectral Ratio: R=43.0%, G=40.5%, B=16.5%



**B3528-12V-60-8mm-4.8W-6200K-IP22/IP68**  
Test Data for 1 Meter LED Strip Length



# Coming Soon