

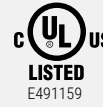
B5050-24V-60-10MM-14.4W-RGB-IPYY

LED Engines




FEATURES

- Single row, SMD 5050
- 18.3 LED/ft / 60 LED/m
- Width: 3/8 in / 10mm
- Length: 16.4ft / 5m
- 24V
- 4.4 W/ft / 14.4 W/m



24V LED ENGINE - IP22		QUANTITY	24V LED ENGINE - IP68		QUANTITY
B5050-24V-60-10mm-14.4W-RGB-IP22	LM28336		B5050-24V-60-10mm-14.4W-RGB-IP68	LM28338	

CUSTOM OPTIONS:

SMD TYPE	INPUT VOLTAGE	LED DENSITY	STRIP WIDTH	RATED POWER	COLOR	USAGE	LEAD IN / OUT	STRIP LENGTH	
B5050 - 5 x 5mm	24V - 24 volt	60 - 60 LED/m	10mm (3/8 in.)	14.4W/m (4.4 W/ft)	 RGB	IP22 - indoor dry location IP68 - wet/damp location	HW3 - Hardwire 36" HW6 - Hardwire 72" HW9 - Hardwire 108" HWX - Hardwire cust. DC3 - DC plug 36" DC6 - DC plug 72" DC9 - DC plug 108" DCX - DC plug cust. NO - No lead	Custom length up to 420 inches. Quick ship regular roll is 196 inches - 12 in HW only.	
B5050	24V	60	10MM	14.4W	RGB				
SMD TYPE	INPUT VOLTAGE	LED/M	WIDTH	W/M	RGB / RGBW	USAGE	IN	OUT	LENGTH

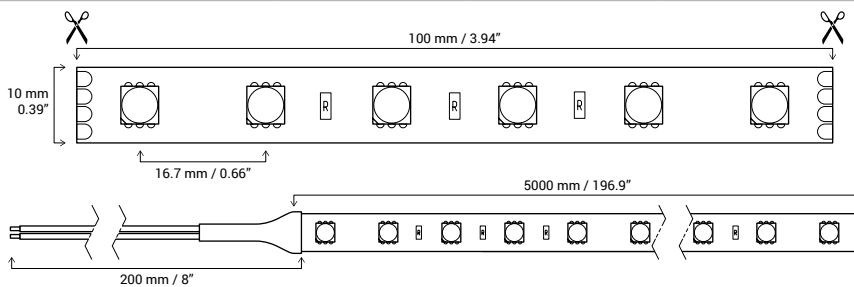
B5050-24V-60-10mm-14.4W-RGB-IP22/IP68

Specification Sheet



PHYSICAL

Product Type	Flexible LED Strip		
SMD Type	5050		
Strip Width	2/5 in	10 mm (IP22)	12 mm (IP68)
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 / Operating Temp.	-40°C to +80°C	-25°C to +40°C	
Lifespan	50 000 Hrs		



Electrical Input

Rated Power (Max.)

CONSTANT
VOLTAGE**24V DC****72 W/roll**

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

PRODUCT RANGE

Part Number	Code	IP	CCT*	Flux RGB Ratio	Luminous Flux	Luminous Efficacy	CRI**	duv***
B5050-24V-60-10mm-14.4W-RGB-IP22	LM28336	IP22	RGB	R=27.1% G=64.3% B=8.6%	1154.7 lm	18.17 lm/W	20.3	-0.0018
B5050-24V-60-10mm-14.4W-RGB-IP68	LM28338	IP68						

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



Chroma Parameters

Chromaticity Coordinates: $x=0.2587, y=0.2275, u=0.1985, v=0.2619, duv=-0.018$
 Correlated Color Temperature: 50000K
 Dominant Wave.: 468.3nm
 Purity: 36.9%
 Flux RGB Ratio: R=27.1%, G=64.3%, B=8.6%
 Peak Wave: 633nm
 Half Width: 18.4nm

Rendering Index: Ra=20.3

R1=-6 R2=40 R3=65 R4=5 R5=17 R6=38 R7=50
 R8=-43 R9=-338 R10=-47 R11=-22 R12=45 R13=0 R14=73

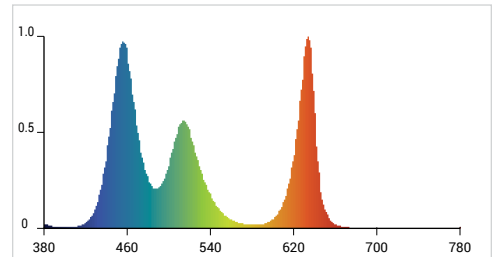
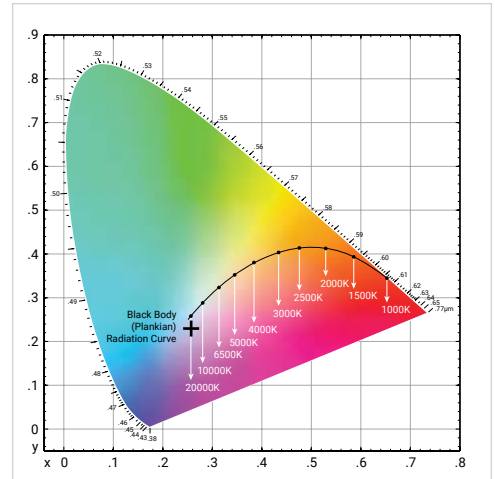
Photo Parameters

Luminous Flux: 1154.7 lm
 Luminous Efficacy: 18.17 lm/W

Electrical Parameters

Voltage: U=24.000V
 Current: I=0.560A
 Power: P=13.44W
 Power Factor: PF=1.000

C.I.E. 1931 Chromaticity Diagram



NOTES

