FiveSpect™ 12V LED Strip for Film & Photography

FiveSpect™ LED strips are full-color and full-spectrum lights designed for use on film, TV and broadcast sets as well as continuous output photography applications.

Utilizing the latest 5-in-1 LEDs, each emitter is capable of full-color RGB gamut as well as 95 CRI full-spectrum tunable white between tungsten (2700K) and daylight (6500K). This means seamless RGB and white color tuning without any shifting shadows, all from a single light source.

The back side of the LED strip includes pre-applied 3M VHB® double-sided tape, which provides a simple but extremely strong adhesive mounting method for all of your projects.

The LED strips are 16.4 feet (5.0 meters) in length, and are conveniently reeled for quick and easy application, and can be cut to length every 2 inches (50 mm) with just a pair of scissors.

FEATURES

- 5 Channels: full RGB color and full spectrum tungsten & daylight
- 95+ CRI and R9 > 90 (R9 > 80 for 6500K)
- 18 emitters per foot (60 per meter)
- Tungsten: 180 lumens per foot (600 lumens per meter)
- Daylight: 200 lumens per foot (650 lumens per meter)
- For indoor use only

PHOTOMETRIC SPECIFICATIONS

Light output per ft:	180 lumens	CRI Ra:	95+
Tungsten CCT:	2700K ± 100K	CRI R9 (2700K):	90+
Daylight CCT:	6500K ± 175K	CRI R9 (6500K):	80+
Tungsten Duv:	0.0000 ± 0.0013	CRI R13 (2700K):	90+
Daylight Duv:	0.0030 ± 0.0015	CRI R13 (6500K):	90+
Tungsten CIE xy:	(0.4599, 0.4106)	TLCI:	90+
Daylight CIE xy:	(0.3127, 0.3290)	TM-30-15 R_f/ R_g:	90+/100

Download full photometric reports at https://www.waveformlighting.com/photometrics

ELECTRICAL SPECIFICATIONS

Input type:	Constant Voltage
Input voltage:	12V DC
Current draw / ft / color:	180 mA @ 12V DC (T/D)
	120 mA @ 12V DC (R/G/B)
Current draw / reel / color:	3.0 A @ 12V DC (T/D)
	2.0 A @ 12V DC (R/G/B)
Power draw / ft / color:	2.2 W @ 12V DC (T/D)
	1.5 W @ 12V DC (R/G/B)
Power draw / reel / color:	36 W @ 12V DC (T/D)
	24 W @ 12V DC (R/G/B)
Max simultaneous power / ft:	10 W (0.8 A)

MECHANICAL SPECIFICATIONS

Length:	16.43 ft (5008 mm)
Width:	0.472 in (12 mm)
Height:	0.102 in (2.6 mm)
LED spacing (OC):	0.654 in (16.6 mm)
Cut-line spacing:	1.969 in (50 mm)
PCB copper thickness:	2 oz
Wire leads (both ends):	22 AWG

POWER SUPPLY & CONTROLLER SELECTION

The following accessories are needed to operate this product:
- Power supply: Waveform Lighting PN 3091 or third-party 12V DC constant voltage power supply.
- LED controller: Waveform Lighting PN 3081 DMX controller or third-party 5-channel (or more) LED controller.

If you choose to utilize a third-party power supply unit and controller, you will need to ensure that the power capacity of the power supply and controller is sufficient for the length of LED strip being connected. Use the table below to determine if the power supply is sufficient for your project.

Length	Minimum Power Supply Capacity	Length	Minimum Power Supply Capacity
1 ft:	300 mA / 3.7 W	0.5 m:	480 mA / 6.0 W
3 ft:	0.9 A / 11 W	1.0 m:	1.0 A / 12 W
6 ft:	1.8 A / 22 W	2.0 m:	1.9 A / 24 W
9 ft:	2.7 A / 33 W	3.0 m:	2.9 A / 36 W
12 ft	3.6 A / 44 W	4.0 m:	3.8 A / 48 W
16.4 ft	5.0 A / 60 W	5.0 m:	5.0 A / 60 W

PART NUMBERS AND ORDERING

12V	3011