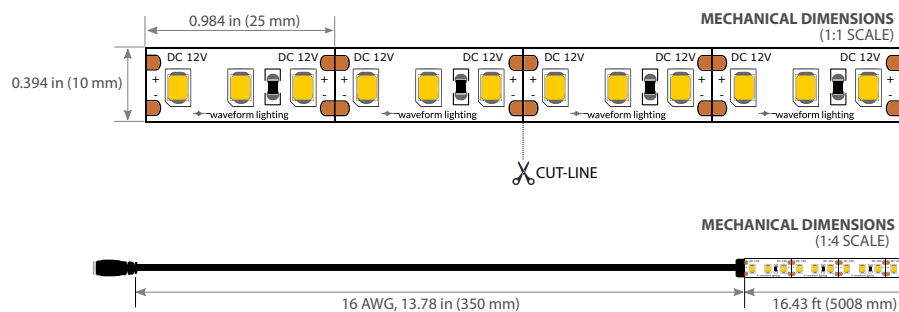# FilmGrade™ 12V LED Strip for Film & Photography
PN: 3001

FilmGrade™ LED strips are professional-grade lights designed for use on film, TV and broadcast sets as well as continuous output photography applications.

Premium LEDs are specified to ensure not only high CRI/TLCI, but color accuracy within ±25K and ±75K for tungsten and daylight, respectively. Each LED strip is also specified to be within ± 1/32 green color correction.

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 1-inch (25 mm) with just a pair of scissors.

MECHANICAL DIMENSIONS (1:1 SCALE)

0.984 in (25 mm)
0.394 in (10 mm)
CUT-LINE

MECHANICAL DIMENSIONS (1:4 SCALE)

16 AWG, 13.78 in (350 mm)   16.43 ft (5008 mm)

PRODUCT AND FEATURES

* Available in both tungsten (3200K) or daylight (5600K or 6500K)
* 95+ CRI and R9 > 80 (R9 > 90 for tungsten)
* Color correct to within ± 1/32 green
* 450 lumens per foot (1500 lumens per meter)
* 4 oz copper circuitry for reduced voltage drop
* For indoor use only

PHOTOMETRIC SPECIFICATIONS

Light output per ft:	450 lumens	**CRI Ra:**	95+
Tungsten CCT:	3200K ± 25K	**CRI R9 (Tungsten):**	90+
Daylight (5600K) CCT:	5600K ± 75K	**CRI R9 (Daylight):**	80+
Daylight (6500K) CCT:	6500K ± 75K	**CRI R13 (Tungsten):**	90+
Tungsten Duv:	0.0000 ± 0.0008	**CRI R13 (Daylight):**	90+
Daylight (5600K) Duv:	0.0000 ± 0.0008	**TLCI:**	90+
Daylight (6500K) Duv:	0.0020 ± 0.0008	**TM-30-15 R_f/ R_g:**	90+/100
Tungsten CIE xy:	(0.4234, 0.3990)		
Daylight (5600K) CIE xy:	(0.3302, 0.3390)	**Daylight (6500K) CIE xy:**	(0.3127, 0.3290)

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

ELECTRICAL SPECIFICATIONS

Input type:	Constant Voltage
Input voltage:	12V DC
Current draw per ft:	450 mA @ 12V DC
Current draw per reel:	7.5 A @ 12V DC
Power draw per ft:	5.5 W @ 12V DC
Power draw per reel:	90 W @ 12V DC
Max run:	16.4 ft (5 meters)

MECHANICAL SPECIFICATIONS

Length:	16.43 ft (5008 mm)
Width:	0.394 in (10 mm)
Height:	0.067 in (1.7 mm)
LED spacing (OC):	0.327 in (8.3 mm)
Cut-line spacing:	0.984 in (25 mm)
PCB copper thickness:	4 oz
DC Connector (both ends):	16 AWG, 13.78 in (350 mm)

POWER SUPPLY SELECTION

Compatible with Waveform Lighting PN 3091 or third-party 12V DC constant voltage power supply.

If you choose to utilize a third-party power supply unit, you will need to ensure that the power capacity of the power supply 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
1 ft:	600 mA / 7 W
3 ft:	1.8 A / 22 W
6 ft:	3.6 A / 43 W
9 ft:	5.4 A / 65 W
12 ft	7.2 A / 86 W
16.4 ft	9.0 A / 108 W

LENGTH	MINIMUM POWER SUPPLY CAPACITY
0.5 m:	900 mA / 11 W
1.0 m:	1.8 A / 22 W
2.0 m:	3.6 A / 43 W
3.0 m:	5.4 A / 65 W
4.0 m:	7.2 A / 86 W
5.0 m:	9.0 A / 108 W

PART NUMBERS AND ORDERING

3200K:	3001.32
5600K:	3001.56
6500K:	3001.65

waveform lighting