

FilmGrade™ 24V LED Strip for Film & Photography

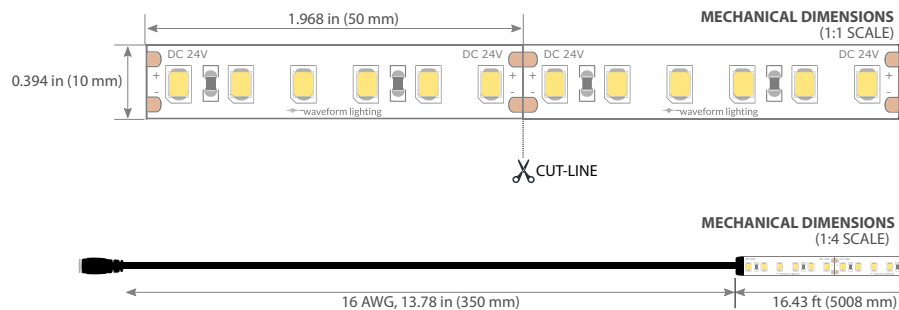
PN: 3002

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 $\pm 25K$ and $\pm 75K$ for tungsten and daylight, respectively. Each LED strip is also specified to be within $\pm 1/32$ 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 2 inches (50 mm) with just a pair of scissors.



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 $\pm 1/32$ 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 \pm 25K	CRI R9 (Tungsten):	90+
Daylight (5600K) CCT:	5600K \pm 75K	CRI R9 (Daylight):	80+
Daylight (6500K) CCT:	6500K \pm 75K	CRI R13 (Tungsten):	90+
Tungsten Duv:	0.0000 \pm 0.0008	CRI R13 (Daylight):	90+
Daylight (5600K) Duv:	0.0000 \pm 0.0008	TLCI:	90+
Daylight (6500K) Duv:	0.0020 \pm 0.0008	TM-30-15 R/ R_s:	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:	24V DC
Current draw per ft:	225 mA @ 24V DC
Current draw per reel:	3.8 A @ 24V DC
Power draw per ft:	5.5 W @ 24V DC
Power draw per reel:	90 W @ 24V DC
Max run:	32.8 ft (10 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):	0.654 in (16.6 mm)
Cut-line spacing:	1.968 in (50 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 3092 or third-party 24V 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:	300 mA / 7 W
3 ft:	900 mA / 22 W
6 ft:	1.8 A / 43 W
9 ft:	2.7 A / 65 W
12 ft:	3.6 A / 86 W
16.4 ft:	4.5 A / 108 W

LENGTH	MINIMUM POWER SUPPLY CAPACITY
0.5 m:	450 mA / 11 W
1.0 m:	900 mA / 22 W
2.0 m:	1.8 A / 43 W
3.0 m:	2.7 A / 65 W
4.0 m:	3.6 A / 86 W
5.0 m:	4.5 A / 108 W

PART NUMBERS AND ORDERING

3200K:	3002.32
5600K:	3002.56
6500K:	3002.65