

FilmGrade™ HYBRID WHITE LED Strip for Film & Photography

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

Tungsten and daylight white LEDs are specified and mounted on a single strip 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 4 inches (100 mm) with just a pair of scissors.

FEATURES

- Achieve any color temperature between 3200K and 6500K while maintaining 95 CRI
- 95+ CRI and R9 > 80 (R9 > 90 for tungsten)
- Color correct to within $\pm 1/32$ green
- 225 lumens per foot per color (1500 lumens per meter)
- 4 oz copper circuitry for reduced voltage drop
- For indoor use only

PHOTOMETRIC SPECIFICATIONS



Light output per ft per color:	225 lumens	CRI Ra:	95+
Tungsten CCT:	3200K \pm 25K	CRI R9 (Tungsten):	90+
Daylight CCT:	6500K \pm 75K	CRI R9 (Daylight):	80+
Tungsten Duv:	0.0000 \pm 0.0008	CRI R13 (Tungsten):	90+
Daylight Duv:	0.0020 \pm 0.0008	CRI R13 (Daylight):	90+
Tungsten CIE xy:	(0.4234, 0.3990)	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:	24V DC
Current draw per ft per color:	115 mA @ 24V DC
Current draw per reel per color:	1.9 A @ 24V DC
Power draw per ft:	2.8 W @ 24V DC
Power draw per reel:	45 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
Wires (both ends):	18 AWG

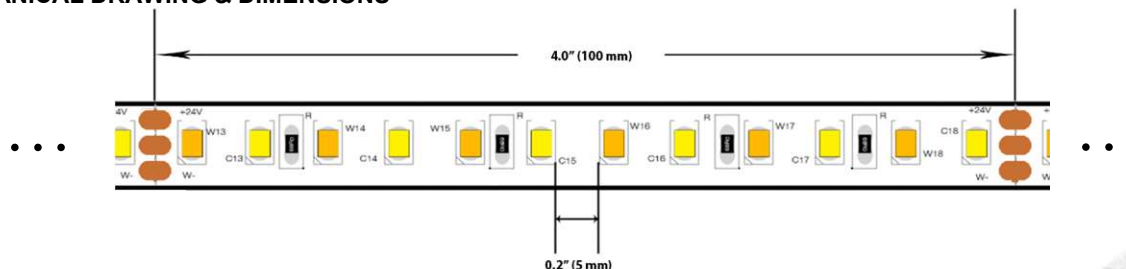
POWER SUPPLY SELECTION

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	Length	Minimum Power Supply Capacity
1 ft:	300 mA / 7 W	0.5 m:	450 mA / 11 W
3 ft:	900 mA / 22 W	1.0 m:	900 mA / 22 W
6 ft:	1.8 A / 43 W	2.0 m:	1.8 A / 43 W
9 ft:	2.7 A / 65 W	3.0 m:	2.7 A / 65 W
12 ft:	3.6 A / 86 W	4.0 m:	3.6 A / 86 W
16.4 ft:	4.5 A / 108 W	5.0 m:	4.5 A / 108 W

MECHANICAL DRAWING & DIMENSIONS



(This drawing is an excerpt that shows just one complete, cuttable section. Each reel consists of 50 of these sections).

PART NUMBERS AND ORDERING

HYBRID: 3002.HY