

cleanUV™ UV-C LED Flex Strips

PN: 7026.270

Waveform Lighting's cleanUV™ LED flex strips operate at 270 nanometers, an optimal wavelength for sterilization and disinfection applications. Each LED strip reel includes 60x high efficiency, high reliability 270 nm UV-emitting LEDs mounted on a flexible circuit-board.

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 39.4 inches in length (1.0 meters), and are conveniently reeled for quick and easy application, and can be cut to length every 0.7 inch (17 mm) with just a pair of scissors.

PRODUCT AND FEATURES

- 270 nanometer peak wavelength for UVGI efficacy
- 39.4 inch reel (3.2 ft / 1.0 meter)
- 12V DC input
- Power consumption of 14.4 watts
- For indoor use only

PHOTOMETRIC SPECIFICATIONS

UV-C output per reel:	130-140 mW
Peak wavelength:	270-275 nm
Spectrum FWHM:	10 nm
Emission angle:	120 deg

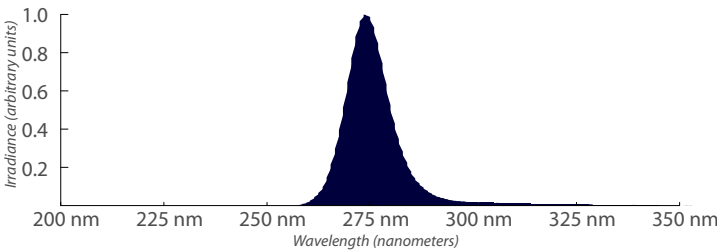
Download full photometric reports at <https://www.waveformlighting.com/photometrics>



IMPORTANT NOTICE: EYE AND SKIN SAFETY WARNING

UV-C wavelength radiation is harmful to human skin and eyes, and is a known carcinogen. Take extra precautions to avoid exposure at all times. When using this product, or designing and implementing a product that incorporates this product, ensure that no humans or animals are exposed during device

TYPICAL EMISSION SPECTRUM



ELECTRICAL SPECIFICATIONS

Input type:	Constant Voltage
Input voltage:	12V DC
Current draw:	1.2 A @ 12V DC
Power draw:	14.4 W @ 12V DC
Max run:	16.4 ft (5 meters)

MECHANICAL SPECIFICATIONS (FULL REEL)

Length:	39.37 in (1000 mm)
Width:	0.394 in (10 mm)
Height:	0.067 in (1.7 mm)
LED spacing (OC):	0.656 in (16.67 mm)
Cut-line spacing:	0.656 in (16.67 mm)
PCB copper thickness:	3 oz
Connection (both ends):	Female DC 2.1 x 5.5 mm

POWER SUPPLY SELECTION

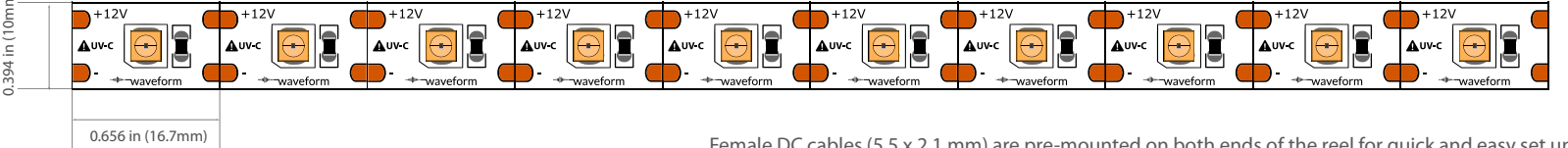
Compatible with Waveform Lighting PN 3091 or third-party 12V DC constant voltage power supply. If you choose to utilize a third-party power supply unit, you will need to ensure that the power capacity of the power supply is sufficient for the length of LED strip being connected. Use the table below to 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

MECHANICAL DRAWING & DIMENSIONS

This drawing is an excerpt that shows just ten complete, cuttable sections. Each reel consists of 60 of these sections with female DC plugs mounted on each end.



Female DC cables (5.5 x 2.1 mm) are pre-mounted on both ends of the reel for quick and easy set up using the PN 3091 power supply. If conversion to wire inputs is required, use PN 7095.



PART NUMBERS AND ORDERING

270 nm:	7026.270
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