# Flex Strip

## Product Description

VaOpto's LED Flex Strip Series is energy efficient, lead free, cold lighting source, UV free, and long lasting, meaning less lamp maintenance. Compared to standard light strips, VaOpto's LED Flex Strip Series reduce energy consumption by 50%.

## Product Information

- Available in various colors and RGB
- Cool White: CRI > 75
- Neutral White: CRI > 80
- Warm White: CRI > 85
- Beam Angle = 120°
- cULus #E321933
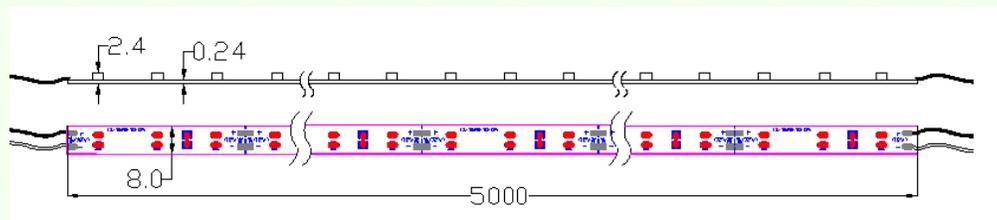- Three-years limited warranty

## Ordering Information

**A0 Series with 3528 LEDs, Non-waterproof, (RGB is 5050 LEDs)**

| Part Number | Length (ft) | No. of LEDS | Power (W) | Input Voltage (VDC) | Current (A) | CCT/Wavelength | Lumens (lm) | Lumens /ft | Minimum Working Unit | Price |
|---|---|---|---|---|---|---|---|---|---|---|
| VO-FS-R-12A0 | 16.4 | 300 | 24 | 12 | 2 | 624nm (Red) | 435 | 26.5 | ✂ 3 LED / 5CM ✂ | |
| VO-FS-Y-12A0 | 16.4 | 300 | 24 | 12 | 2 | 590nm (Yellow) | 435 | 26.5 | ✂ 3 LED / 5CM ✂ | |
| VO-FS-G-12A0 | 16.4 | 300 | 24 | 12 | 2 | 515nm (Green) | 900 | 54.9 | ✂ 3 LED / 5CM ✂ | |
| VO-FS-B-12A0 | 16.4 | 300 | 24 | 12 | 2 | 470nm (Blue) | 285 | 17.4 | ✂ 3 LED / 5CM ✂ | |
| VO-FS-CW-12A0 | 16.4 | 300 | 24 | 12 | 2 | 6500K | 1800 | 109.8 | ✂ 3 LED / 5CM ✂ | |
| VO-FS-NW-12A0 | 16.4 | 300 | 24 | 12 | 2 | 4100K | 1670 | 101.8 | ✂ 3 LED / 5CM ✂ | |
| VO-FS-WW-12A0 | 16.4 | 300 | 24 | 12 | 2 | 3500K | 1600 | 97.6 | ✂ 3 LED / 5CM ✂ | |
| VO-FS-XW-12A0 | 16.4 | 300 | 24 | 12 | 2 | 2700K | 1600 | 97.6 | ✂ 3 LED / 5CM ✂ | |
| VO-FS-RGB-12A0 | 16.4 | 180 | 36 | 12 | 3 | 625, 515, 470 nm | - | - | ✂ 3 LED / 8.3CM ✂ | |
| VO-FS-R-24A0 | 16.4 | 300 | 24 | 24 | 1 | 624nm (Red) | 435 | 26.5 | ✂ 6 LED / 10CM ✂ | |
| VO-FS-Y-24A0 | 16.4 | 300 | 24 | 24 | 1 | 590nm (Yellow) | 435 | 26.5 | ✂ 6 LED / 10CM ✂ | |
| VO-FS-G-24A0 | 16.4 | 300 | 24 | 24 | 1 | 515nm (Green) | 900 | 54.9 | ✂ 6 LED / 10CM ✂ | |
| VO-FS-B-24A0 | 16.4 | 300 | 24 | 24 | 1 | 470nm (Blue) | 285 | 17.4 | ✂ 6 LED / 10CM ✂ | |
| VO-FS-CW-24A0 | 16.4 | 300 | 24 | 24 | 1 | 6500K | 1800 | 109.8 | ✂ 6 LED / 10CM ✂ | |
| VO-FS-NW-24A0 | 16.4 | 300 | 24 | 24 | 1 | 4100K | 1670 | 101.8 | ✂ 6 LED / 10CM ✂ | |
| VO-FS-WW-24A0 | 16.4 | 300 | 24 | 24 | 1 | 3500K | 1600 | 97.6 | ✂ 6 LED / 10CM ✂ | |
| VO-FS-XW-24A0 | 16.4 | 300 | 24 | 24 | 1 | 2700K | 1600 | 97.6 | ✂ 6 LED / 10CM ✂ | |
| VO-FS-RGB-24A0 | 16.4 | 180 | 36 | 24 | 1.5 | 625, 515, 470 nm | - | - | ✂ 6 LED / 16.6CM ✂ | |

## Outline Dimension

**A0 Series**

| Length | Width | Height |
|---|---|---|
| 196.8 in | 0.31 in | 0.094 in |

2.4   0.24

8.0   5000

unit: mm

**VaOpto** LED Manufacturer

energy ENERGY STAR PARTNER
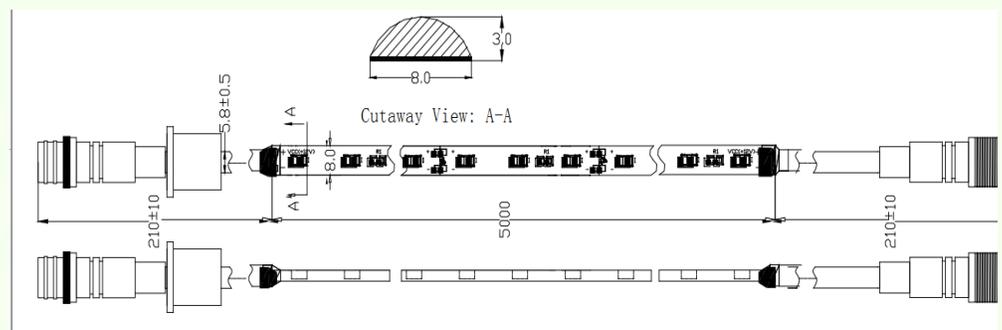
# Flex Strip

## A Series LED Flex Strip

**A1-65 Series with 3528 LEDs, Waterproof ( RGB is 5050 LEDs)**



| Part Number | Length (ft/ Roll) | No. of LEDS (Pcs/Roll) | CCT/ Wavelength | Input Voltage (VDC) | Power (W/Roll) | Current (A/Roll) | Lumens (lm/ Roll) | Watts (W/ft) | Current (A/ft) | Lumens (lm/ft) | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|
| VO-FS-R-12A1-65 | 16.4 | 300 | 624nm (Red) | 12 | 24 | 2 | 430 | 1.46 | 0.12 | 26.2 | |
| VO-FS-Y-12A1-65 | 16.4 | 300 | 590nm (Yellow) | 12 | 24 | 2 | 430 | 1.46 | 0.12 | 26.2 | |
| VO-FS-G-12A1-65 | 16.4 | 300 | 515nm (Green) | 12 | 24 | 2 | 890 | 1.46 | 0.12 | 54.3 | |
| VO-FS-B-12A1-65 | 16.4 | 300 | 470nm (Blue) | 12 | 24 | 2 | 280 | 1.46 | 0.12 | 17.1 | |
| VO-FS-CW-12A1-65 | 16.4 | 300 | 7000K | 12 | 24 | 2 | 1770 | 1.46 | 0.12 | 107.9 | |
| VO-FS-NW-12A1-65 | 16.4 | 300 | 4600K | 12 | 24 | 2 | 1640 | 1.46 | 0.12 | 100.0 | |
| VO-FS-WW-12A1-65 | 16.4 | 300 | 3900K | 12 | 24 | 2 | 1560 | 1.46 | 0.12 | 95.1 | |
| VO-FS-XW-12A1-65 | 16.4 | 300 | 3100K | 12 | 24 | 2 | 1510 | 1.46 | 0.12 | 92.1 | |
| VO-FS-RGB-12A1-65 | 16.4 | 180 | 625, 515, 470nm | 12 | 36 | 3 | - | 2.20 | 0.18 | - | |
| VO-FS-R-24A1-65 | 16.4 | 300 | 624nm (Red) | 24 | 24 | 1 | 430 | 1.46 | 0.06 | 26.2 | |
| VO-FS-Y-24A1-65 | 16.4 | 300 | 590nm (Yellow) | 24 | 24 | 1 | 430 | 1.46 | 0.06 | 26.2 | |
| VO-FS-G-24A1-65 | 16.4 | 300 | 515nm (Green) | 24 | 24 | 1 | 890 | 1.46 | 0.06 | 54.3 | |
| VO-FS-B-24A1-65 | 16.4 | 300 | 470nm (Blue) | 24 | 24 | 1 | 280 | 1.46 | 0.06 | 17.1 | |
| VO-FS-CW-24A1-65 | 16.4 | 300 | 7000K | 24 | 24 | 1 | 1770 | 1.46 | 0.06 | 107.9 | |
| VO-FS-NW-24A1-65 | 16.4 | 300 | 4600K | 24 | 24 | 1 | 1640 | 1.46 | 0.06 | 100.0 | |
| VO-FS-WW-24A1-65 | 16.4 | 300 | 3900K | 24 | 24 | 1 | 1560 | 1.46 | 0.06 | 95.1 | |
| VO-FS-XW-24A1-65 | 16.4 | 300 | 3100K | 24 | 24 | 1 | 1510 | 1.46 | 0.06 | 92.1 | |
| VO-FS-RGB-12A1-65 | 16.4 | 180 | 625, 515, 470nm | 24 | 36 | 1.5 | - | 2.20 | 0.09 | - | |

## Outline Dimension

**A1-65 Series**

| Length | Width | Height |
|---|---|---|
| 196.8 in | 0.31 in | 0.118 in |



Cutaway View: A-A

unit: mm

## Minimum and Maximum Ratings

| Parameters | Values |
|---|---|
| Operating Temperature | -22°F – 185°F |
| Storage Temperature | -22°F – 185°F |