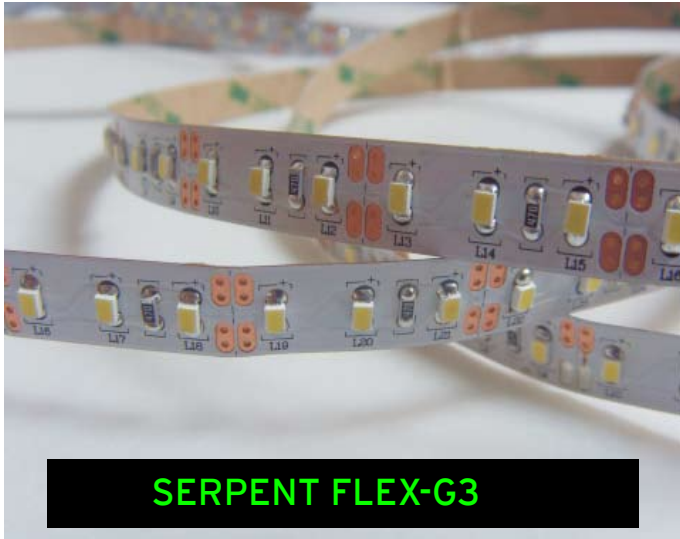


# SERPENT FLEX

 Led Lighting Solutions Provider



EDEN's SERPENT FLEX is so far the brightest flexible LED strip available in the market



**SERPENT FLEX-G3**

- The three key benefits of LEDs,
- Efficiency, Lifetime, and Safety,

## Benefits

- Super Bright 3528 & 5060 SMD LEDs.
- Little or no heat, low power consumption.
- Can be cut to size at marked intervals and rejoined by electricians.
- Operating temperature: -10 C ~ 40 heat C.
- Long life span of LED lights, 30,000 hours plus.
- RGB Color changing available.
- Continuous length flexible LED light strips
- Solid-state, high vibration resistant SMD chips.
- Small & powerful LED!

## Features

Lumen Output	See Below
Input Power	220 to 240 Volts
Efficacy	N/A
Color Temperature (CCT)	3000K - 6000K
Color Rendering Index (CRI)	75
Beam Spread	120 Degs
Rated Life	50,000 Hrs
LEDs	Solid-state, high vibration resistant SMD chips.
Housing	Flexible LED Strip
Mounting Options	Double Sided Tape
Dimensions	10mm wide 5 metre roll
Power Supply	Transformer 12 Volts
Voltage	12Volt
Warranty	3 Years
Environment	IP20 OR IP65

## Applications

Because of its versatility and many advantages the LED Light Strip is suitable for many applications in various categories:

- Architecture, ambience & decorative lighting
- Architectural lights for canopy,corridor>window,archway
- Accent lighting
- Contour lighting
- Cove lighting
- Recessed lighting
- Route-, marking lighting
- Stair-, doorstep and skirting lighting
- Advertising lighting
- Display lighting
- Stage, theatre, club or casino lighting
- Retail, corporate, public, residential
- DIY lights for home use
- Decorative lights for holiday,event,show,exhibition

SERPENT FLEX

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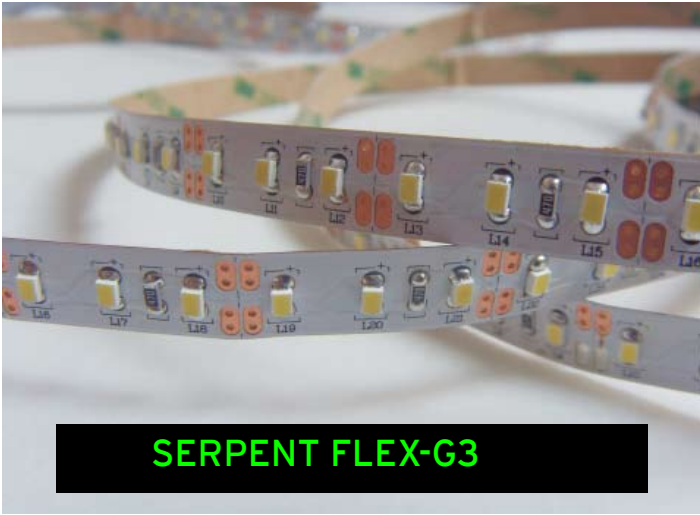
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# SERPENT FLEX-G3

HIGH  
OUTPUT

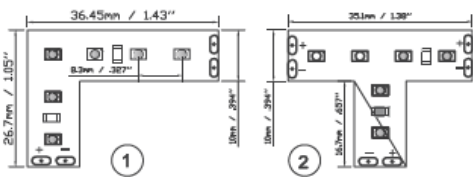


## Application

- Cove lighting
- Architectural lights for canopy, corridor, window, archway
- Backlight or edge lighting for signage
- DIY lights for home use
- Path and contour marking
- Decorative lights for holiday, event, show, exhibition

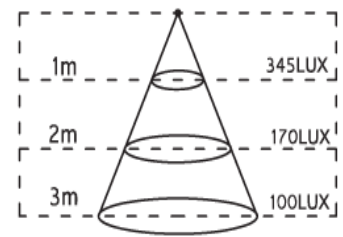
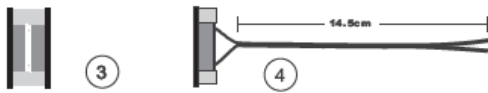
EDEN's SERPENT FLEX is so far the brightest flexible LED strip available in the market.

## SERPENT FLEX-G3



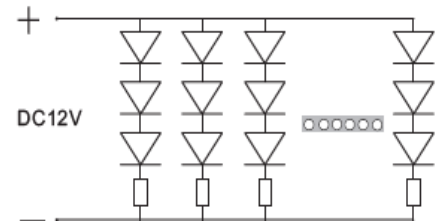
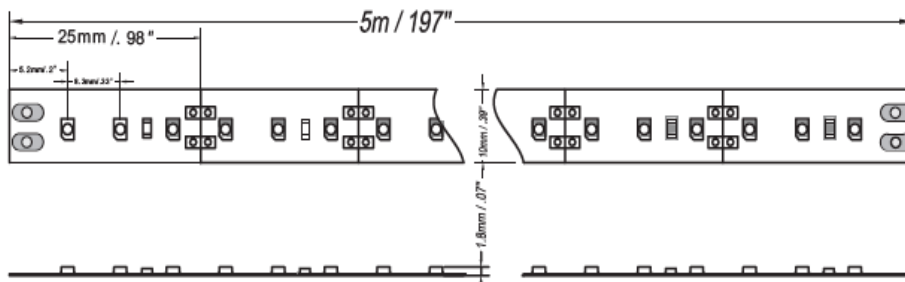
## Connectors for cut

- ① ED95-BID-CON1: Vertical connector
- ② ED95-BID-CON2: T-shape connector
- ③ ED95-BID-CON3: Ribbon to ribbon connector
- ④ ED95-BID-CON4: Ribbon to wire connector



500mm/20" Luminance(white 6500K)

## Printed circuit board layout



Description Code	Length & Width (mm)	LED Qty	LED Type	Light Output (lm)	Beam Angle	Voltage (V DC)	Current (Amps)	Max. Power Consumption(W)	Continuous connection length (m)
ED95-SF-BID-W	5000 X 10	600	SMD LED	5100	120	12	8	96	10M
ED95-SF-BID-W/W	5000 X 10	600	SMD LED	4080	120	12	8	96	10M

## Order Details

Description Code	Length & Width (mm)
ED95-SF-BID-W	Serpent Flex™, white 6000-7000K, 600 LEDs, 5m a reel, white
ED95-SF-BID-WW	Serpent Flex™, white 6000-7000K, 600 LEDs, 5m a reel, warm white
ED95-SF-WID10-W	Silicon sleeved waterproof Serpent Flex™, white 6000-7000K, 600 LEDs, 5m a reel, IP65, white
ED95-SF-WID10-WW	Silicon sleeved waterproof Serpent Flex™, white 2700-3500K, 600 LEDs, 5m a reel, IP65, warm white
ED95-SF-WID20-W	Epoxy potted waterproof Serpent Flex™, white 6000-7000K, 600 LEDs, 5m a reel, IP65, white
ED95-SF-WID20-WW	Epoxy potted waterproof Serpent Flex™, white 2700-3500K, 600 LEDs, 5m a reel, IP65, warm white
ED95-SF-BID-CON1	vertical connector
ED95-SF-BID-CON2	T-Shape connector
ED95-SF-BID-CON3	ribbon-to-ribbon connector
ED95-SF-BID-CON4	ribbon-to-wire connector

We reserve the right to make changes at any time in order to maintain the highest product quality.

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# SERPENT FLEX-G1

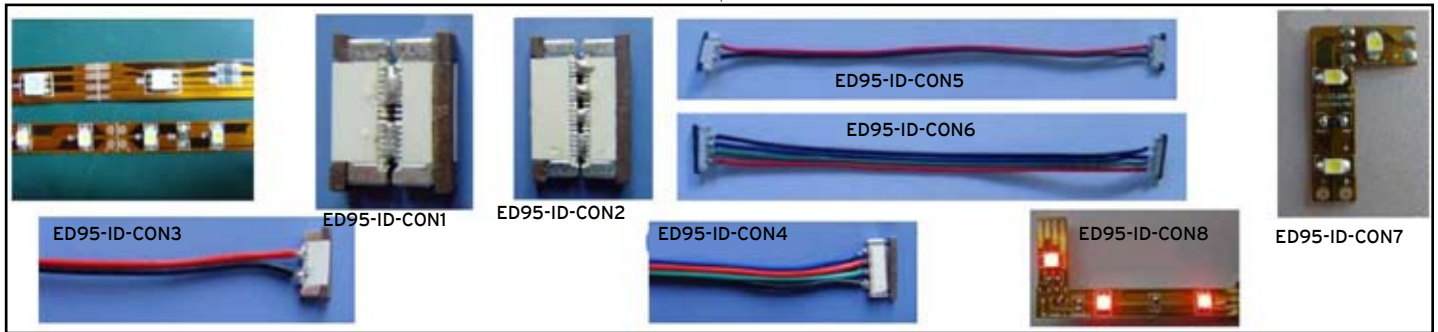
**HIGH  
OUTPUT**



**SERPENT FLEX-G1**

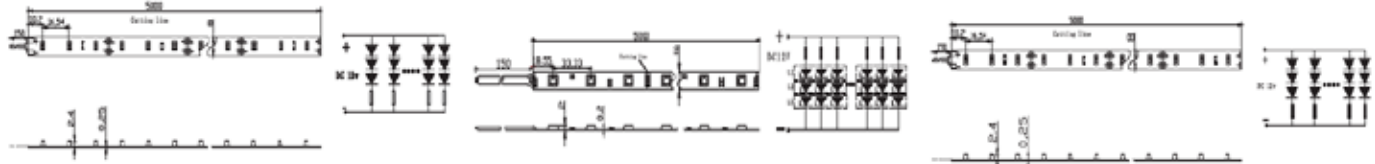
## Application

- Cove lighting
- Architectural lights for canopy, corridor, window, archway
- Backlight or edge lighting for signage
- DIY lights for home use
- Path and contour marking
- Decorative lights for holiday, event, show, exhibition



Description Code	Description	Description Code	Description
ED95-SF-ID-CON1	strip-to-strip connector for single color	ED95-ID-CON5	strip-to-strip connector for single color, curve installation
ED95-SF-ID-CON2	strip-to-strip connector for RGB	ED95-ID-CON6	strip-to-strip connector for RGB, curve installation
ED95-SF-ID-CON3	strip-to-power connector for single color	ED95-ID-CON7	vertical curve slip for single color
ED95-SF-ID-CON4	strip-to-power connector for RGB	ED95-ID-CON8	vertical curve slip for RGB color

## Dimension drawing (Unit:mm)



Description Code	Length & Width (mm)	LED Qty	LED Type	Light Output (lm)	Beam Angle	Voltage (V DC)	Current (Amps)	Max. Power Consumption(W)	Continuous connection length (m)
ED95-ID-W	5000 X 10	600	SMD LED	1200	120	12	2	24	10M
ED95-ID-W/W	5000 X 10	600	SMD LED	1000	120	12	2	24	10M

Description Code	DESCRIPTION	Order Details
ED95-SF-ID-R	flexible SMD LED strip, 5m a reel, totally 300 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, red	
ED95-SF-ID-Y	flexible SMD LED strip, 5m a reel, totally 300 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, yellow	
ED95-SF-ID-B	flexible SMD LED strip, 5m a reel, totally 300 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, blue	
ED95-SF-ID-G	flexible SMD LED strip, 5m a reel, totally 300 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, green	
ED95-SF-ID-W	flexible SMD LED strip, 5m a reel, totally 300 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, white	
ED95-SF-ID-W/W	flexible SMD LED strip, 5m a reel, totally 300 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, warm white	
ED95-SF-ID-RGB	flexible SMD LED strip, 5m a reel, totally 150 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, RGB	
ED95-SF-ID-RGB-B	flexible SMD LED strip, 5m a reel, totally 300 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, RGB	

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# SERPENT FLEX G2

## Crystal Strip™

Waterproof  
Flexi Strip



### Application

- Cove lighting
- Architectural lights for canopy, corridor, window, archway
- Backlight or edge lighting for signage
- DIY lights for home use
- Path and contour marking
- Decorative lights for holiday, event, show, exhibition
- Special light effect for art gallery and glass-made items

### Features

- Elegant looking with the clear housing
- Crystal Strip™ can create a nice effect like coloured
- Crystal while lighting
- Waterproof, IP68
- Much brighter than normal rope light
- The components are completely sealed in housing to protect from outer impact

Description Code	DESCRIPTION	Order Details
ED95-SF-TWF-R	Epoxy potted waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, red	
ED95-SF-TWF-Y	Epoxy potted waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, yellow	
ED95-SF-TWF-B	Epoxy potted waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, blue	
ED95-SF-TWF-G	Epoxy potted waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, green	
ED95-SF-TWF-W	Epoxy potted waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, white	
ED95-SF-TWF-W/W	Epoxy potted waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, warm white	
ED95-SF-TWF-RGB	Epoxy potted waterproof flexible SMD LED strip assembled with 5060 SMD LED, 5m a reel, totally 150 LED's, 12V DC, RGB	

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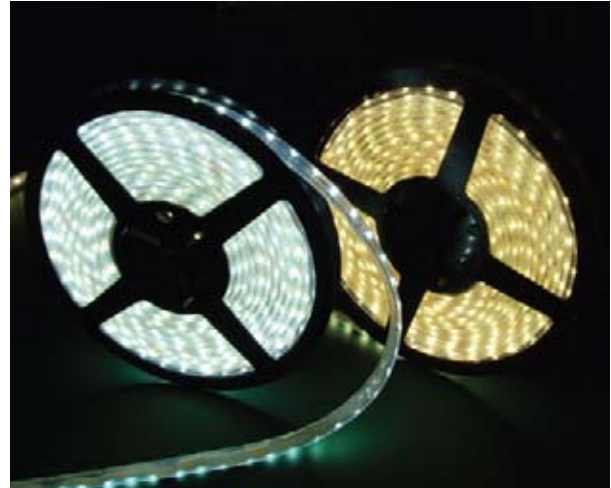
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# SERPENT FLEX G2

## MiniRope™

Waterproof  
Flexi Strip



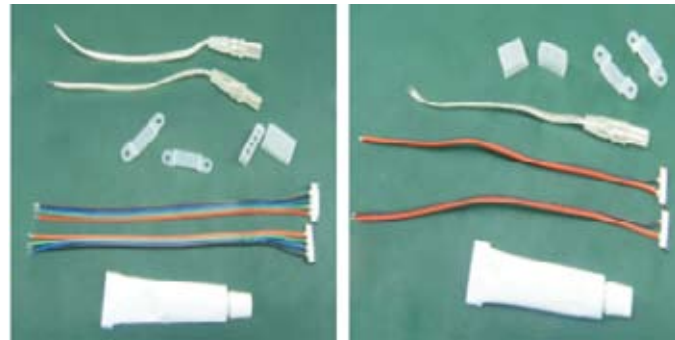
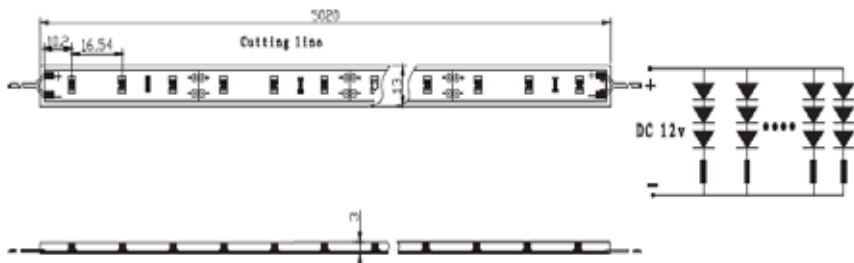
### Application

- Cove lighting
- Architectural lights for canopy, corridor, window, archway
- Backlight or edge lighting for signage
- DIY lights for home use
- Path and contour marking
- Decorative lights for holiday, event, show, exhibition
- Other outdoor use

### Features

- Flexible enough to be bent at any angles
- Totally waterproof, IP65
- Designed for free cutting every 3 LEDs
- User can use DIY accessories for easy connection of cutting sections
- UV resistant, suitable for outdoor application
- Much brighter than normal rope light

### Dimension drawing (Unit:mm)



Description Code	DESCRIPTION	Order Details
ED95-SF-TWF2-R	silicion sleeved waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, red	
ED95-SF-TWF2-Y	silicion sleeved waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, yelow	
ED95-SF-TWF2-B	silicion sleeved waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, blue	
ED95-SF-TWF2-G	silicion sleeved waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, green	
ED95-SF-TWF2-W	silicion sleeved waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, white	
ED95-SF-TWF2-W/W	silicion sleeved waterproof flexible SMD LED strip assembled with 3528(1210) SMD LED, 5m a reel, totally 300 LED's, 12V DC, warm white	
ED95-TWF2-RGB	silicion sleeved waterproof flexible SMD LED strip assembled with 5060 SMD LED, 5m a reel, totally 150 LED's, 12V DC, RGB	

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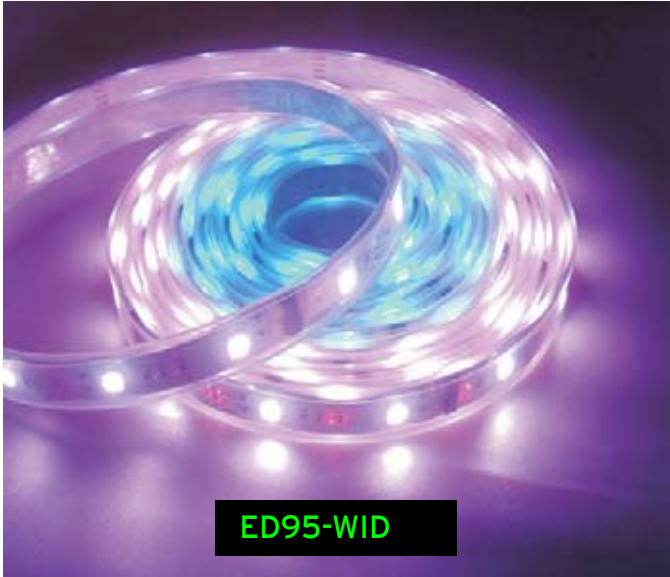
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# SERPENT FLEX G4 DIGIRibbon TMII

DigiRibbon



ED95-WID



ED95-DID

They are many types of LED strips in the market. But there is never such a strip like waterproof DigiRibbonTMII.

The patent pending Serpent Flex ribbonlight combines so many unique features

- Flexibility-ED95-WID-RGB can be bent at any angle.
- Digital colour change-The built-in programs release the auto- run modes for color change patterns
- Strong humidity resistance-which allows the strip exposed to be applied as an aquatic product
- Compact size-It has a super slim shape width only 14mm.
- Abundant color modes-Up to thousands of colour change modes can be put in the programs, for excomple,chasing,stroke.
- Vivid color effects- All individual LEDs are red green and blue 3-in-1 type.
- Intelligent electric design -Users can cut the ribbon every 3 LEDs.
- Continuous light connection- It can run 100 meters continuously.

Description Code	DESCRIPTION	Order Details
ED95-SF-DID-R	flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, red	
ED95-SF-DID-Y	flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, yellow	
ED95-SF-DID-B	flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 150 LEDs, 12V DC, Blue	
ED95-SF-DID-G	flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, green	
ED95-SF-DID-W	flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, white	
ED95-SF-DID-W/W	flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, warm white	
ED95-SF-DID-RGB	flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, RGB	

Description Code	DESCRIPTION	Order Details
ED95-SF-WID-R	Waterproof flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, red	
ED95-SF-WID-Y	Waterproof flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, yellow	
ED95-SF-WID-B	Waterproof flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 150 LEDs, 12V DC, Blue	
ED95-SF-WID-G	Waterproof flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, green	
ED95-SF-WID-W	Waterproof flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, white	
ED95-SF-WID-W/W	Waterproof flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, warm white	
ED95-SF-WID-RGB	Waterproof flexible digital SMD LED strip assembled with top SMD LEDs, 5m a reel, totally 270 LEDs, 12V DC, RGB	

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# SERPENT FLEX G2 P-Ribbon™

Waterproof  
Flexi Strip



## Application

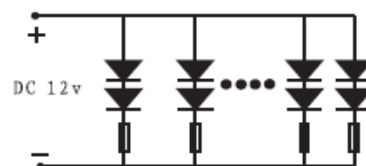
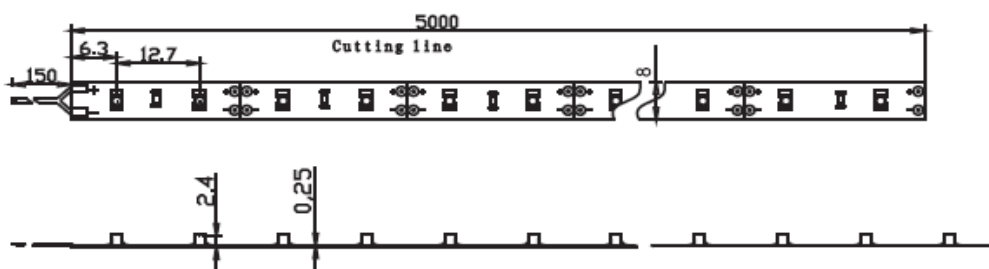
- Cove lighting
- Architectural lights for canopy, corridor, window, archway
- Backlight or edge lighting for signage
- DIY lights for home use
- Path and contour marking
- Marine light
- Task lighting
- Replacement of fluorescent light
- Decorative lights for holiday, event, show, exhibition



## Application

- Flexible enough to be bent at any angles
- Totally waterproof, IP65
- Designed for free cutting every 3 LEDs
- User can use DIY accessories for easy connection of cutting sections
- UV resistant, suitable for outdoor application
- Much brighter than normal rope light

## Dimension drawing (Unit:mm)



Description Code	DESCRIPTION	Order Details
ED95-SF-HID-R	Flexible SMD LED strip, 5m a reel, totally 390 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, red	
ED95-SF-HID-W	Flexible SMD LED strip, 5m a reel, totally 390 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, white	
ED95-SF-HID-WW	Flexible SMD LED strip, 5m a reel, totally 390 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, warm white	
ED95-SF-WHID-R	Waterproof flexible SMD LED strip, 5m a reel, totally 390 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, red	
ED95-SF-WHID-W	Waterproof flexible SMD LED strip, 5m a reel, totally 390 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, white	
ED95-SF-WHID-WW	Waterproof flexible SMD LED strip, 5m a reel, totally 390 LED's, cuttable every 3 LED's, 3M self-adhesive tape, 12V DC, warm white	

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