

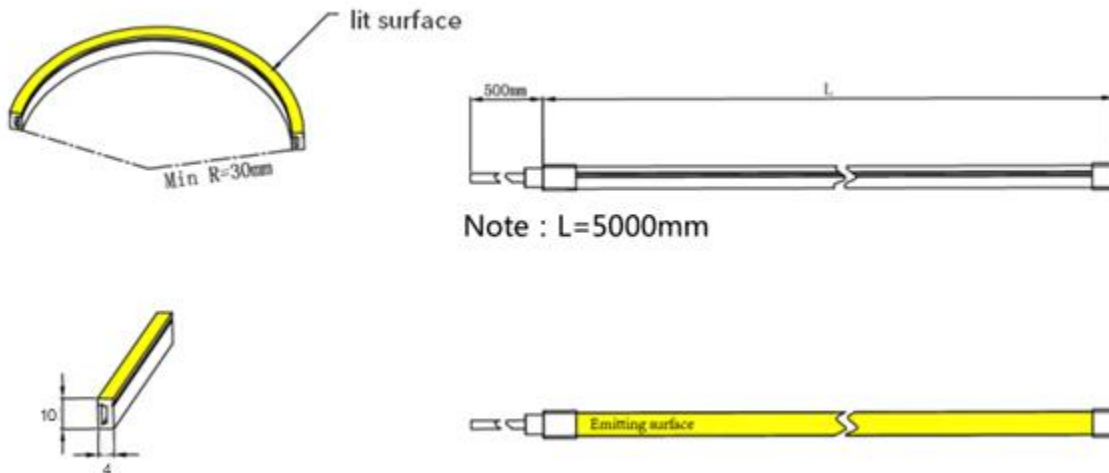


## SPEC SHEET: PIXEL-FREE LED TRIM STRIP LIGHT

Pixel-Free LED Trim is a beautifully crafted LED Strip light that has all the diffusion done for you. The smooth silicone casing is soft to the touch, and has a high end look and feel, right out of the box, without the need of diffusers of any kind! Its slim profile makes this light perfect for signage, faux neon, highlighting features, trade show booths, outdoor patios, decks, events, stage performances and much more. It's quickly becoming our favorite product to use on many applications, due to its tight bending diameter, easy to use, and cost effective for many applications!

Size	SKU	Color	Voltage	Brightness	Consumption	RATING
4 x 10mm	LDS401	Cool White (4500K)	24V DC	300 Lumens/m	8w/m	IP65
4 x 10mm	LDS402	Natural White (4000K)	24V DC	300 Lumens/m	8w/m	IP65
4 x 10mm	LDS403	Warm White (2700K)	24V DC	290 Lumens/m	8w/m	IP65
4 x 10mm	LDS404	Candle White (2300K)	24V DC	240 Lumens/m	8w/m	IP65

### STRUCTURAL DIAGRAM:

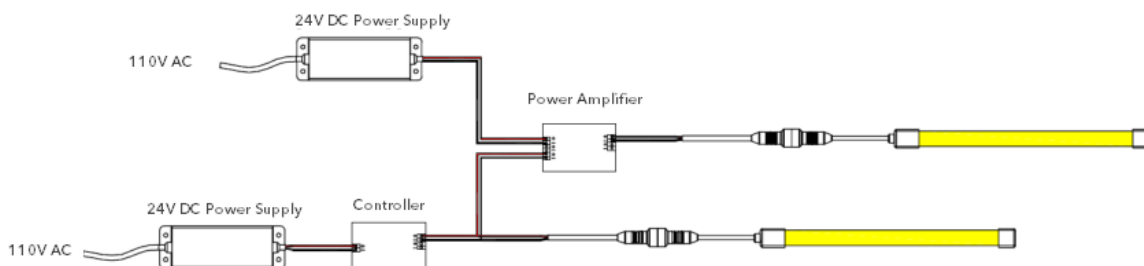


### WIRING DIAGRAM

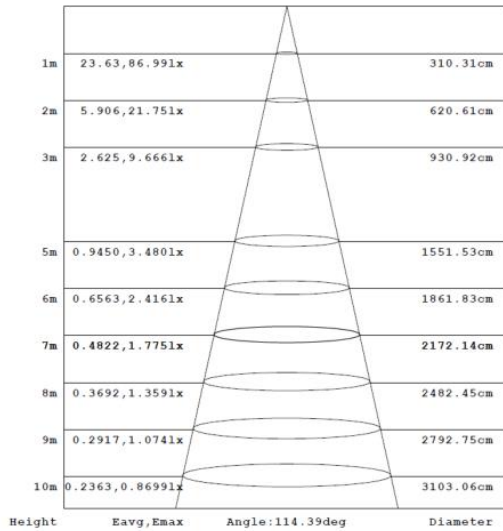
#### NON-DIMMABLE



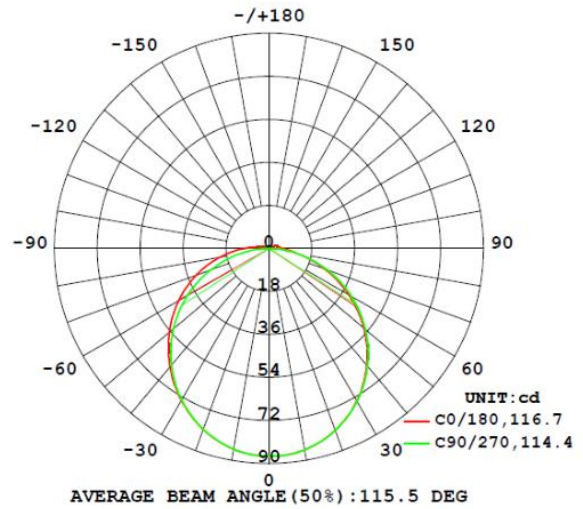
#### DIMMABLE



### LIGHT DISTRIBUTION



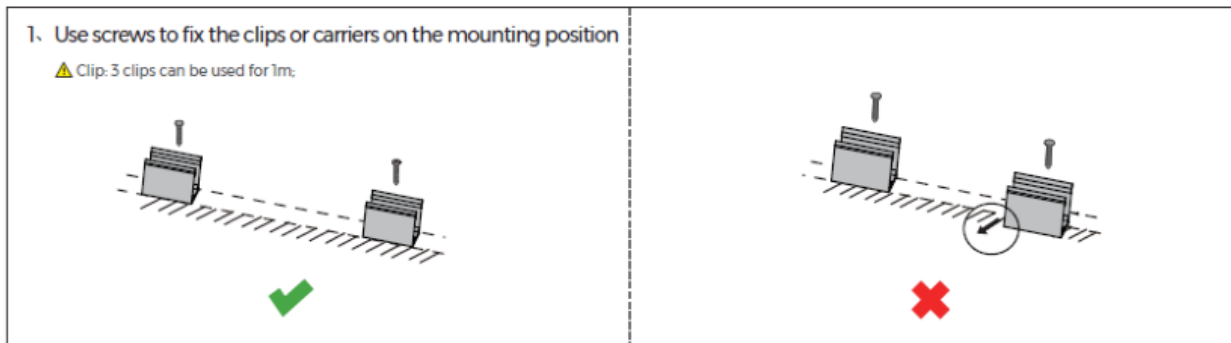
AAI Figure



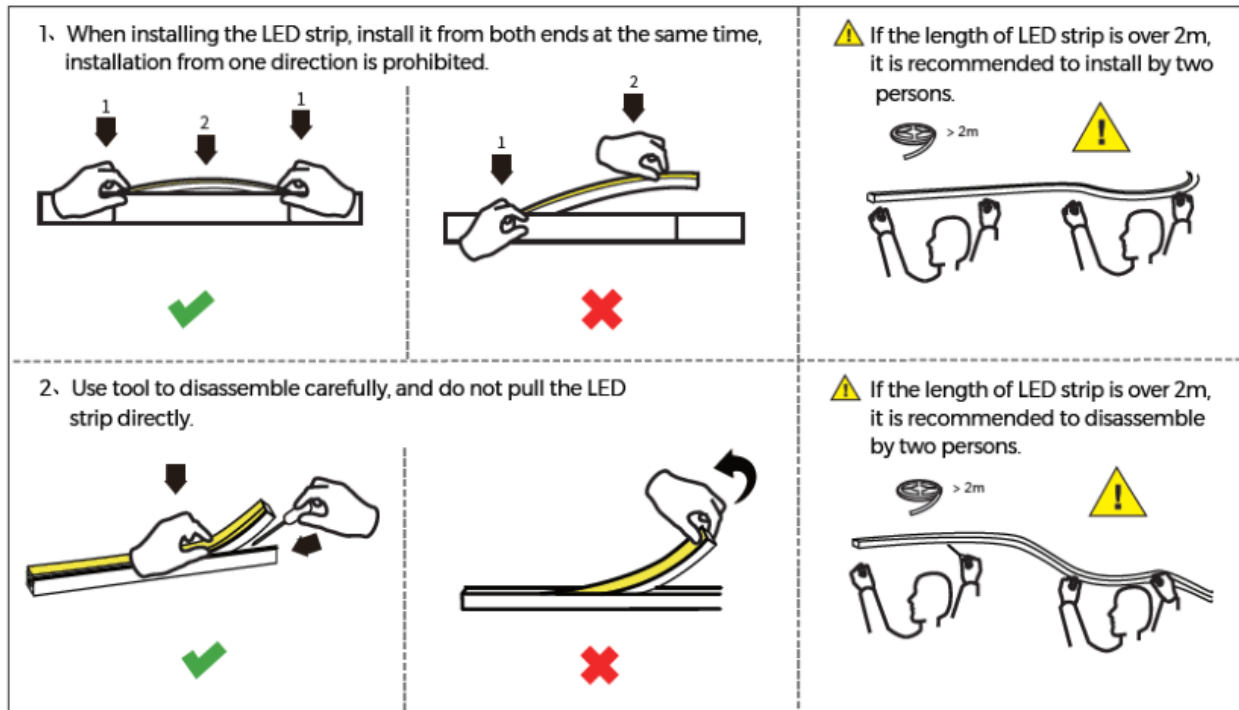
Photometric of 1M strip

### INSTALLATION INSTRUCTIONS

Using mounting clips - Make sure the mounting clips are on the same plane to avoid awkward bending of the strip.



Installation into linear channels or substrates - It is recommended to use caution when inserting the strip into channels and various substrates. Because the LED is not intended to have a tight bending radius laterally, make sure to use extreme caution when inserting or removing the strip from its channel.



### CUTTING & CONNECTING

Cutting Pixel-Free Trim is easy! The diffusion tube is marked with a black line every 41mm (1.6") where it is able to be cut, and can be seen from the side edge where the clear casing is seen. With a sharp pair of scissors or shears, cut all the way through the casing. The LED strip will be free floating inside the casing.

The backside of the LEDs has two solder pads on each side of the cut point which allows you to make new connections on either point of the cut. Above the solder pads, the LED strip is marked with proper polarity. It is imperative that the wires are soldered to match the polarity or the LED will not function. Once a connection is tested and working, we recommend sealing the connection area with silicon to prevent moisture buildup inside.

For custom lengths of Pixel-Free LED Trim or other customizations, please contact us.

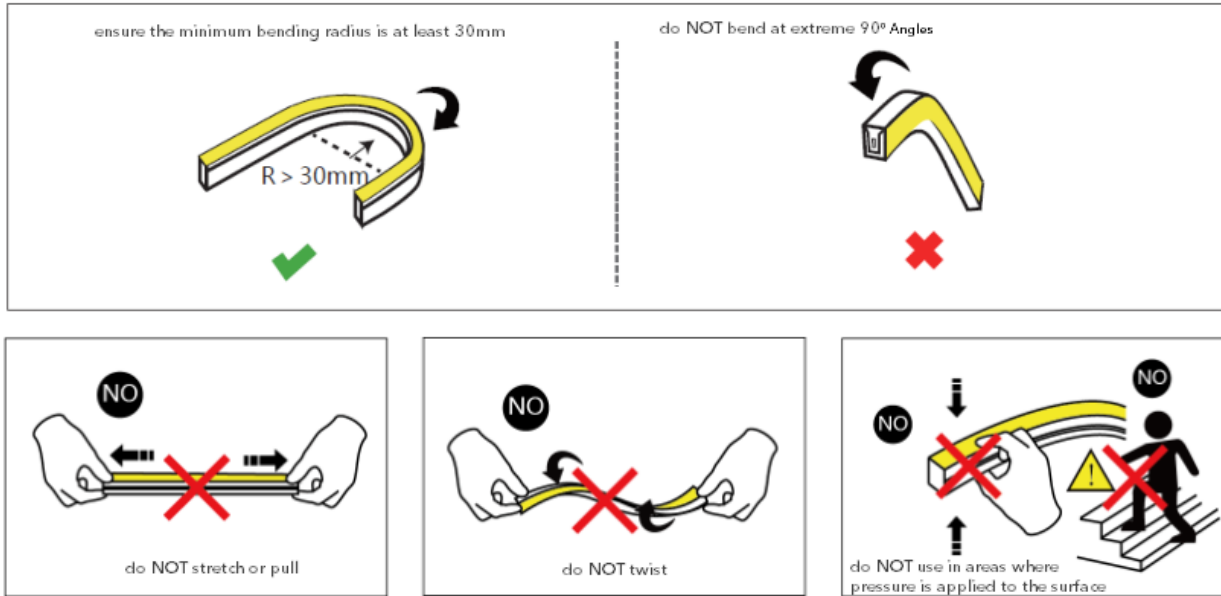
## FAQ

Can Pixel-Free LED Trim be cut?

Yes, cut point on Pixel-Free LED Trim can be cut every 25mm (~1"). Any cut point should be sealed with a silicon adhesive along with the Pixel-Free LED Trim end caps. These end caps keep debris and moisture from entering when a waterproof adhesive is applied.

Is Pixel-Free LED Trim able to bend back and forth?

While Pixel-Free LED Trim has the tightest bending radius in its class (30mm = 1.2"), back and forth bending can cause premature failure of the strip. We recommend handling the product with care, and bending minimally while the product is placed in its fixed location.



## PRECAUTIONS

- Use 24V DC Isolated Power Supply to drive Pixel-Free LED Trim and the confirm ripple wave of constant voltage source is less than 5%. Do not use RC Voltage reduction or non-isolated power supply to drive LED Strip.
- In order to guarantee sufficient voltage is available to drive LED Strip in all conditions, make sure power supply is rated for 20% more than LED Strip consumption.
- Do not touch AC Power Supply when powered on
- Polarity Matters! Make sure to wire positive and negative poles of wires during installation to avoid damage to the strip.
- Avoid scratching, distorting, and repeated bending of product during installation. Not following this can cause irreparable damage to strip.
- Do not bend Pixel-Free LED Trim with a radius less than 30mm (1.2")
- Product is not intended to be submerged and used in swimming pools or hot tubs
- Professional installation recommended