FUTUREILLUMINATIONS
PROFESSIONAL LIGHTING ELEMENTS

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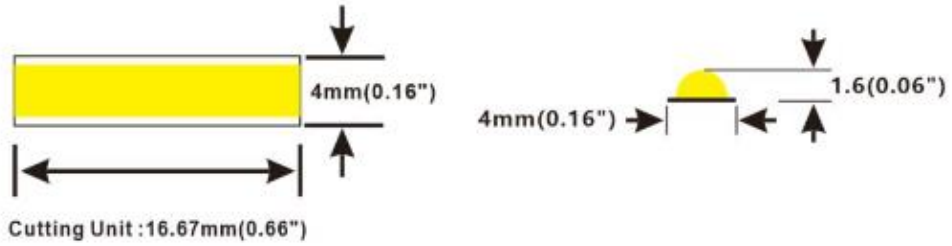
SPEC SHEET: PIXEL-FREE LED™ ON BOARD ULTRA-THIN STRIP LIGHT

Pixel-Free LED™ On Board Ultra-Thin LED Strip Light is the thinnest light strip in its class, combining evenly diffused lighting with extremely easy peel and stick installation. The tightly packed pixels allow for even lighting right out of the box and requires no additional diffusing, which makes an ideal direct-view light. The slim profile hides easily around cabinets and provides a high CRI (over 90), and superior brightness compared to other LED alternatives. The thin width (only 4mm wide!) can fit into the tightest of spaces, without having to sacrifice on light output. Note there is some pixelization that occurs on the blue strip, and the white strips will have minimal pixelization when dimmed.

Pixel-Free LED™ On Board Light Strips are available in various color temperatures of white and cuttable every 16.67mm (~0.66"). Pixel free lighting is great for use as an architectural accent, to bring life to retail displays, custom signage, residential, commercial, or simply creating a clean and professional aesthetic for any project you can dream of. 3-Year warranty.

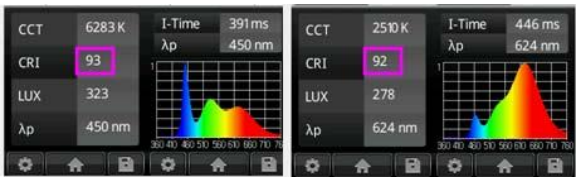
Size	SKU	Color	Voltage	Brightness	CRI	Consumption	RATING
4 x 1.6mm	**DF701**	Cool White (6500K)	24V DC	810 Lumens/m	>90	10w/m	IP20
4 x 1.6mm	**DF702**	Natural White (4000K)	24V DC	760 Lumens/m	>90	10w/m	IP20
4 x 1.6mm	**DF703**	Warm White (2700K)	24V DC	610 Lumens/m	>90	10w/m	IP20
4 x 1.6mm	**DF711**	Blue	24V DC	NA	NA	10w/m	IP20

STRUCTURAL DIAGRAM:



Product Features:

Even, Thin Direct-View Illumination
Ultra-thin Width (only 4mm wide)
Flexible & Field Cuttable
Can be Easily Affixed to a Range of Surface Types
Pixel Diffusion to Eliminate Hot Spots and Shadowing
High Quality LED Chipset (>90 CRI)



c UL us CE RoHS

WIRING DIAGRAM

NON-DIMMABLE

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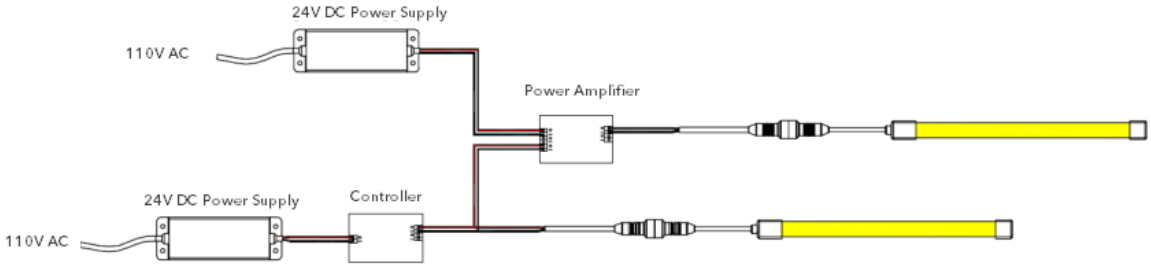
DIMMABLE

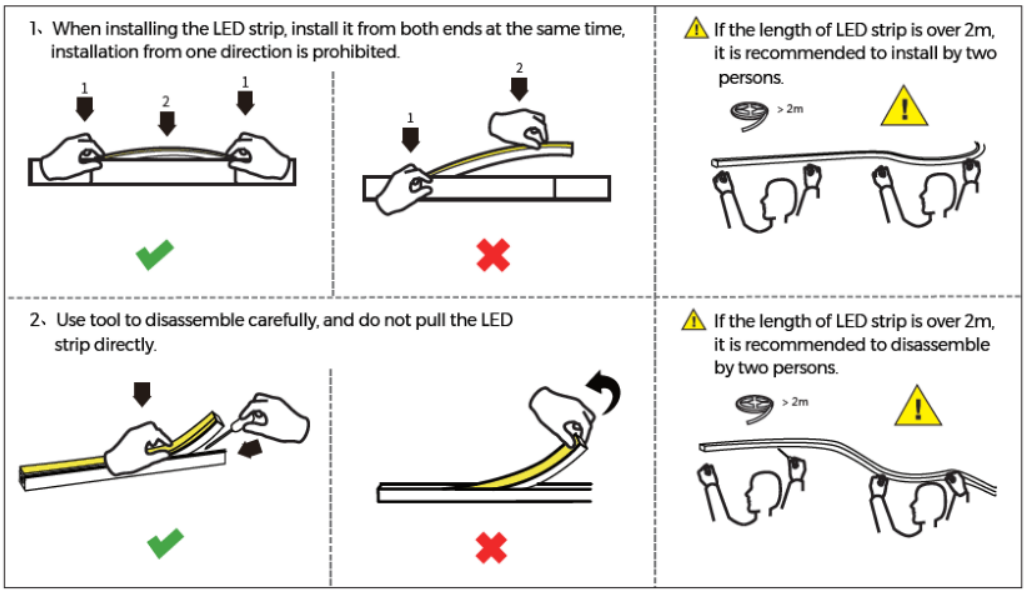


INSTALLATION INSTRUCTIONS

Peel & Stick Method – Easily the best feature of this LED Strip is to be able to add direct view lighting to firm surfaces like woods, metals and plastics. To apply to a firm surface, simply peel the 3M adhesive backing and attach to your surface. We recommend lightly sanding your surface material prior to applying LED Strip for best results.

Make sure the LED Strip runs linearly along on the same plane to avoid awkward bending of the strip. This LED Strip is meant to move up and down, like a roller coaster. Not side to side.

Installation into linear channels or substrates – It is recommended to use caution when inserting the strip into channels and various substrates. LED is not meant to have sharp bends, so make sure to use extreme caution when inserting or removing the strip from a channel.



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FAQ

Can Pixel-Free LED™ On Board be cut?

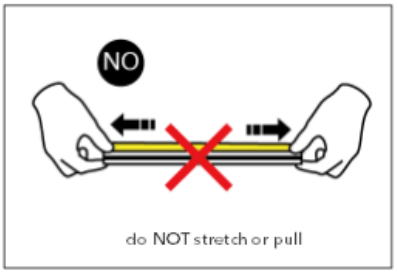
Yes, cut point on Pixel-Free LED™ can be cut every 16.67mm (~0.66"), and is field cuttable for easy installation.

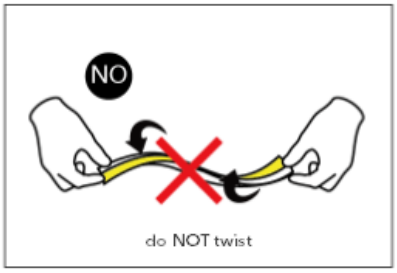
Is Pixel-Free LED™ On Board able to bend back and forth?

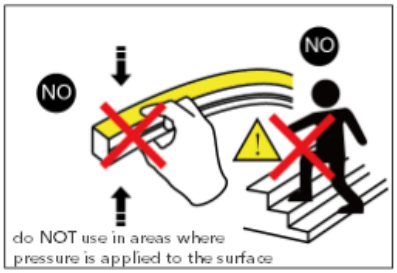
While Pixel-Free LED™ is one of the tightest bending radius LED Strips in its class (50mm = 2"), back and forth bending can cause premature failure of the strip. We recommend handling the product with care, and bending minimally while the product is placed in its fixed location. Do not try to stretch the LED to pull it taught over long distances, and do not twist or distort the jacket to turn into tight corners. Doing so can cause failure to the strip.

Can You Install Pixel-Free LED™ On Board To Floors?

Pixel-Free LED™ is able to be installed on steps to illuminate pathways, however it should be used on the bottom side of steps where minimal to no pressure is applied. Do not install in areas where it will be walked on or have pressure applied.







PRECAUTIONS

- Use 24V DC Isolated Power Supply to drive Pixel-Free LED™ On Board 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™ On Board with a radius less than 50mm (2")
- Product is not intended to be submerged and used outdoors
- Professional installation recommended