# LiteMat

Description:

Introducing LiteMat, a next-generation flexible LED strip designed for seamless backlighting and illumination applications. Ultra-thin, lightweight, and highly adaptable, LiteMat delivers uniform light distribution across curved or flat surfaces—making it ideal for signage, displays, architectural accents, and more . Now available in a CCT adjustable version, LiteMat lets you fine-tune the color temperature to suit any environment—from warm, ambient tones to crisp, cool lighting. Whether you're enhancing ambiance or highlighting design features, LiteMat offers a sleek, energy-efficient solution that bends to your creative vision.
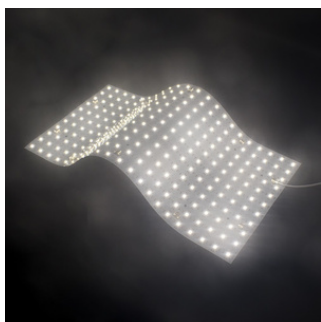
Model: FPL28

Optical:
CCT:	WW/NW/CW /CCT Tunable
Luminous:	2800Lm/ Panel
LED Type:	SMD2835
CRI:	≥80
Efficacy	100LM/Watt

Electrical:
Rated Power:	28W
Input voltage:	24V
Beam angle	120 degrees

Life:
Lumen maintenance:	
Warranty:	2 Years

General:
Dimmable	Yes
IP:	IP20

LiteMat

Specifications

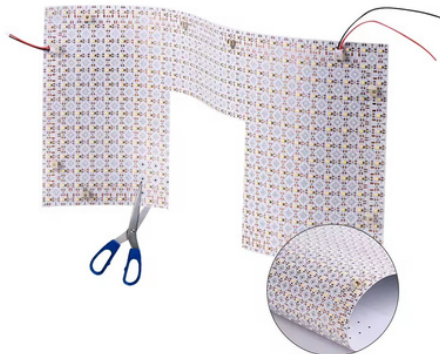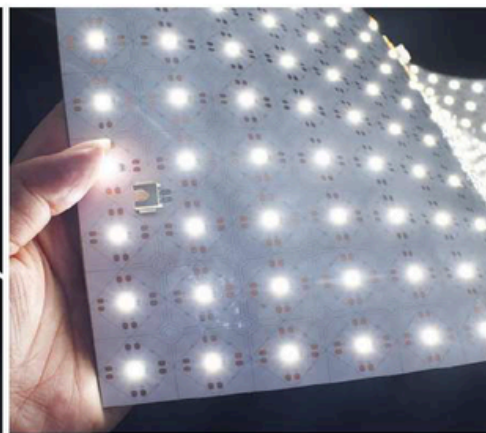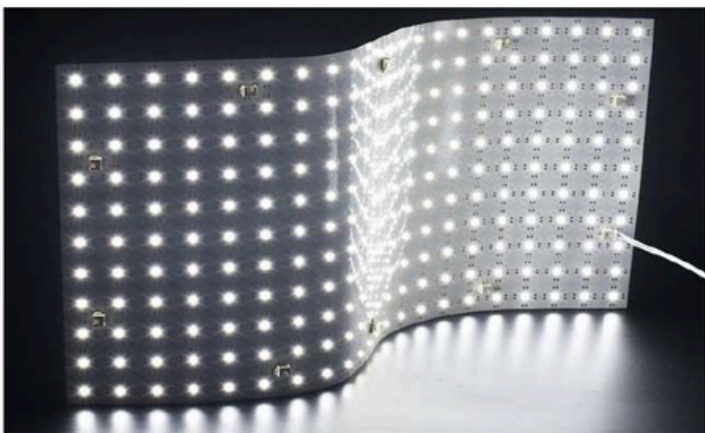| Model	Power	Color	Cuttabel	Size
FPL28WW	28W	2800-3200K	22.3 * 22.3mm 0.87" * 0.87"	490*245mm 19.5" * 9.65"
FPL28NW	28W	4000-4500K	22.3 * 22.3mm 0.87" * 0.87"	490*245mm 19.5" * 9.65"
FPL28CW	28W	6000-6500K	22.3 * 22.3mm 0.87" * 0.87"	490*245mm 19.5" * 9.65"
FPL28CCT	40W	2700-6500K	22.3 * 22.3mm 0.87" * 0.87"	490*245mm 19.5" * 9.65"

Dimensions

Unit:mm

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Key Features of LiteMat:

- 1-LED Cuttable – Precise customization with every single LED segment.
- Pre-Installed Connector – Quick and easy connections, right out of the box.
- Free Cutting & Splicing – Fully flexible for any shape or length.
- DIY-Friendly – Simple to style and install for personalized lighting setups.
- Ultra-Wide 245mm PCB – Enhanced coverage with broader light distribution.
- No Voltage Drop – Consistent performance across the entire strip.
- Uniform Brightness – Even illumination from edge to edge.
- Large Panel Size – Easy to apply to large surfaces or projects.
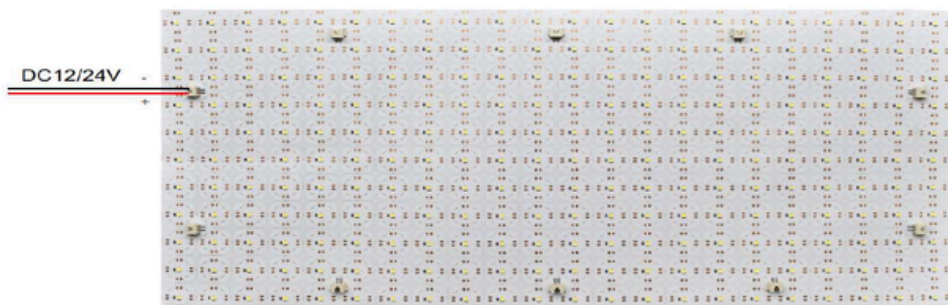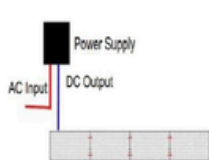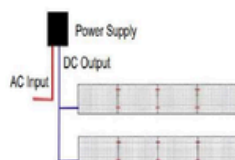- No Complex Wiring – Streamlined setup with minimal connection points.
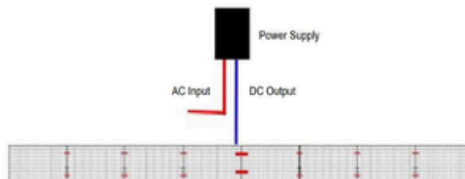
Product picture

LiteMat

Connect

DC12/24V

1. Connection method one

Power Supply

AC Input | DC Output

2. Connection method two

Power Supply

AC Input | DC Output

3. Connection method three

Power Supply

AC Input | DC Output

Free Cutting
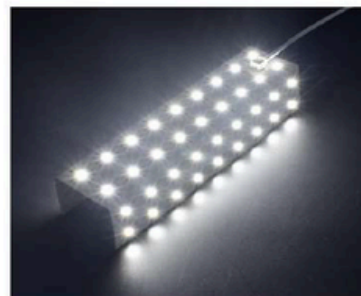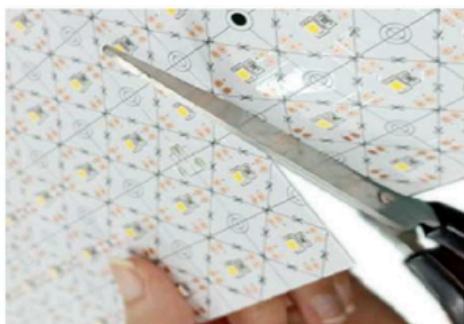
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Application Photo