# 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.
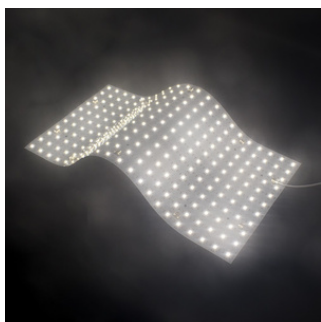






**Model: FPL28**

**Optical:**

| | |
|---|---|
| CCT: | 2800-3200K / 4000-4500K / 6000-65000K / CCT |
| 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

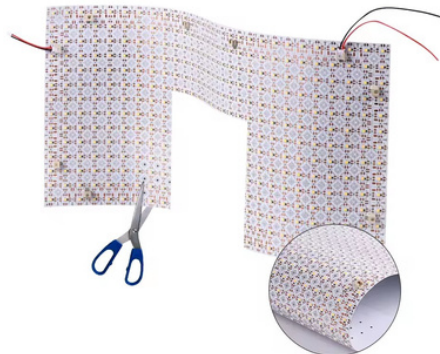| Model | Power | Color | Cuttabel | Size |
|-------|-------|-------|----------|------|
| FPL28WW | 28W | 2800-3200K | 22.3 * 22.3mm<br>0.87" * 0.87" | 490*245mm<br>19.5" * 9.65" |
| FPL28NW | 28W | 4000-4500K | 22.3 * 22.3mm<br>0.87" * 0.87" | 490*245mm<br>19.5" * 9.65" |
| FPL28CW | 28W | 6000-6500K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

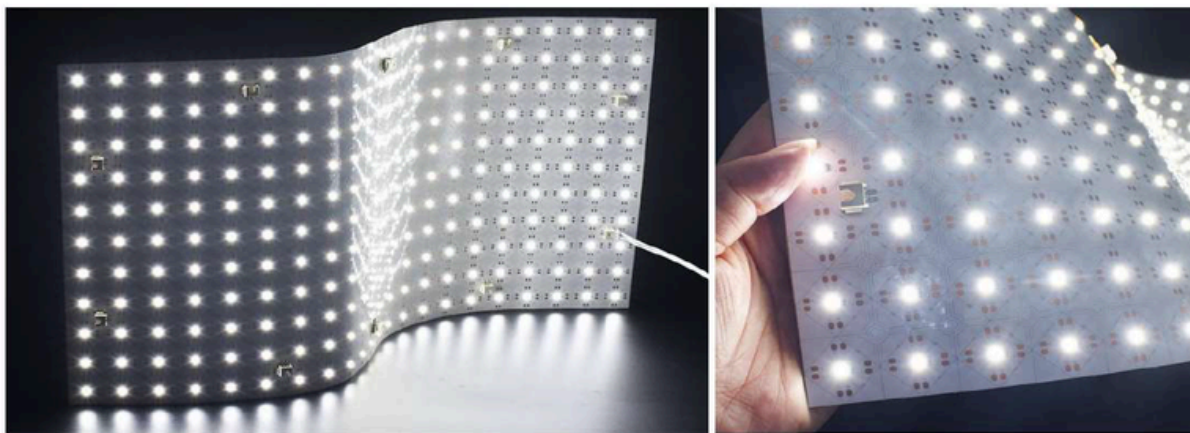## Dimensions



490mm
22.3mm  22.3mm
22.3mm
245mm

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.
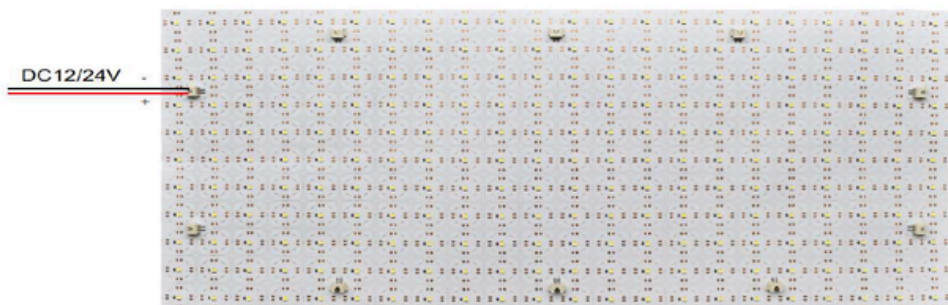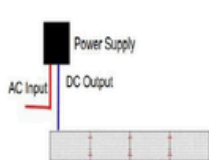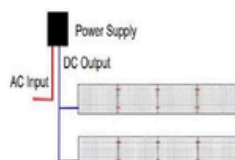- No Complex Wiring – Streamlined setup with minimal connection points.
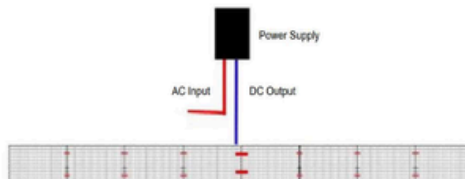
**Product picture**

# LiteMat

## Connect



DC12/24V

1. Connection method one

Power Supply

AC Input | DC Output

2. Connection method two

Power Supply

DC Output

AC Input

3. Connection method three

Power Supply

AC Input | DC Output

## Free Cutting
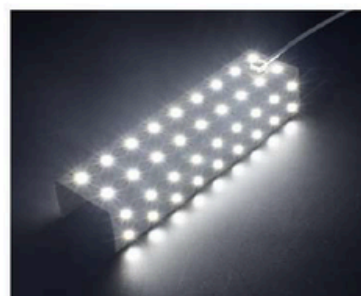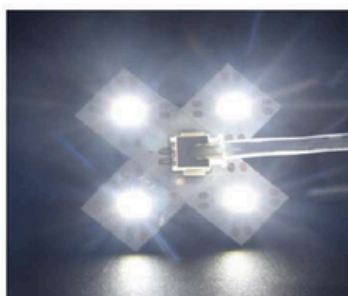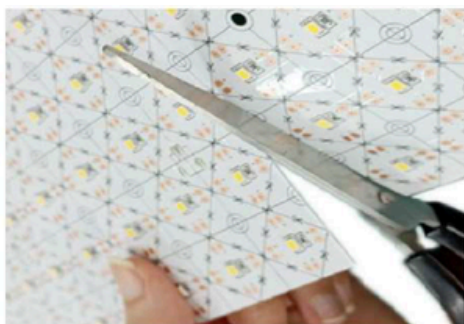
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## Application Photo