The Matrix is a fully customizable cuttable LED light sheet (1 led cuttable) and is extremely versatile in application with no diffusion issues.

### Key Features & Benefits

- **Cuttable & chainable**
  Cuttable to 1 LED and chainable through connectors, the Matrix light sheet is extendible to cover multiple applications.

- **High LED count**
  The Matrix light sheet has a very high LED density of 420 LEDs per sheet which results in smooth, even lighting.

- **Low Wattage**
  With low power requirements (only 12 W/sheet), the Matrix LED light sheet generates a very low heat signature.

### Typical Use-Cases

- **Retail**
  With its deep configurability and flexibility, Matrix is useful in innovative retail applications.

- **Signage**
  Incredibly lightweight and easy-to-install, Matrix can be used to light up feature walls.

- **Architecture**
  Matrix is the perfect choice for DIY home decor projects that involve lighting.
Matrix
420 diode LED light sheet (single cuttable)

**Product Details**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Model #</th>
<th>CRI</th>
<th>LEDs/sheet</th>
<th>Mounting</th>
<th>Operating Temperature</th>
<th>Environment</th>
<th>Size of sheet</th>
<th>Minimum Size</th>
<th>Maximum Size</th>
<th>Weight</th>
<th>Accessories</th>
</tr>
</thead>
<tbody>
<tr>
<td>430600</td>
<td>LSM24-A</td>
<td>85+</td>
<td>420 pieces</td>
<td>Mounted with screws, and/or 3M adhesive backing</td>
<td>-30 °C (~-22 °F) ~ +40 °C (+104 °F)</td>
<td>Dry location only (indoor)</td>
<td>9 3/8&quot;(238 mm) x 19 3/4&quot; (502 mm)</td>
<td>Minimum cuttable size 0.47&quot; x 0.47&quot;</td>
<td>Maximum tiling upto 8 sheets - based on 90W driver</td>
<td>0.3 lb/sheet</td>
<td>Includes connection wires and hard-wire cables with 2-pin connector male plug and a plug-in adapter cable with 2.1mm/5.5mm female barrel connector</td>
</tr>
</tbody>
</table>

**Electrical**

<table>
<thead>
<tr>
<th>Lumens</th>
<th>Input Voltage</th>
<th>Power Consumption</th>
<th>Wire Size</th>
<th>Connector</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1600 lm/sheet</td>
<td>24V DC</td>
<td>12 W/sheet / 0.0285 W / diode</td>
<td>20 AWG cable with 2 pin connectors and 2.1/5.5 mm DC barrel connector</td>
<td>12 integrated 2-pin connector blocks</td>
<td>UL listed (E346146), UL recognized component (E362079), CE, RoHS</td>
</tr>
</tbody>
</table>

**Order Information**

<table>
<thead>
<tr>
<th>Product #</th>
<th>Size</th>
<th>Color Temperature</th>
<th>Voltage</th>
<th>Wattage</th>
</tr>
</thead>
<tbody>
<tr>
<td>430600</td>
<td>CS: Length x Width (inch/mm)</td>
<td>300-3000 K, 410-4100 K, 530-5300 K, 650-6500 K</td>
<td>24-24V DC</td>
<td>12 W/sheet</td>
</tr>
</tbody>
</table>

**Example**

430600-11x14-530-24-12

The specification number immediately above can be deconstructed as follows:

- Matrix Light Sheet; Dimensions(CS)-11" X 14"; Color Temperature-5300K; Voltage-24V; Wattage-12 W/sheet