Auragami® Light Sheet (19.80” x 9.25” / 503.5 mm x 235 mm) with 420 SMD type 2835 LEDs per sheet

**ELECTRICAL**

- **Input Voltage**: 24 Volt DC - Constant Voltage
- **Power Consumption**: 11 W per sheet (8.65 W/m²; 0.026 watts per LED)
- **Wires**: 20 AWG 2 wire (Grey Stripe wire (positive +), White wire (signal –))
- **Connector**: Twelve integrated 2-pin connection blocks
- **Certification**: UL Listed (E495221), CE Compliant (EMC and LVD), RoHS Certified, IP65

**PHYSICAL**

- **Color Temperature**: 2700K, 3000K, 3500K, 4000K, 5300K
- **CRI**: 92+ for 2700K, 95+ for 3000K, 3500K, 4000K, 5300K
- **Light Output**: 1100 lumens per sheet
- **Mounting**: Screws can be used within circles marked on the sheet. Use mechanical fasteners when mounted vertically or suspended. 3M adhesive backing is a supplementary method.
- **Operating Temp.**: -22°F to 122°F (-30°C to 50°C)
- **Working Temp.**: 93°F (34°C)
- **Surface Temp**: LED: 97°F (36°C), PCB: 90°F (32°C), Resistor: 93°F (34°C) (Measurements taken at ≥ 2 hours of operation)
- **Environment**: Wet location (IP65 rated)
- **Coverage**: 1.27 ft² (0.118 m²) per sheet / up to 10.18 ft² (0.94 m²) per Class 2 guidelines
- **Cut/Fold Line Spacing**: 0.66” (16.767 mm) short axis / 0.661” (16.786 mm) long axis
- **Single Sheet Size**: 19.800” x 9.252” (503.5 mm x 235 mm)
- **Weight**: 5.0 oz (141 g) per sheet
- **Customization Options Available**: Pre-cut, pre-mounted, specific color temperatures, IP rating, sheet sizes and/or connector placement. Contact Evo-Lite with customization requests.

**POWER INPUT KIT, SKU: AG1-24-SCW-PIK** (SOLD SEPARATELY)

- **Power Inputs Kits (PIK)** are required for easy connection of up to 8 sheets combined to a low voltage power source (sold separately).

**POWER & CONTROLS**

- **Field Customizable**: Maintains UL Listing when cut*
- **Full Integration Support**: Included
- **Unique Power Distribution Grid**: Groups or single LEDs can be cut* from any part of the Light Sheet
- **Flexible/Foldable PCB**: Polyimide film substrate
- **Consistent Light Quality**: Tight ANSI bin control LEDs
- **LED Quantity/Density**: 332 LEDs per ft² (3572 LEDs per m²)
- **Energy Efficiency**: 100 lumens per watt
- **Long Lifespan**: 50,000 + hours
- **Advanced 5-Year Warranty**: Included

**PRODUCT WIRING & CONTROL ADVISORY**

1. To retain UL Listing, use only with UL Listed or UL Recognized Class 2, LPS or LVLE power supply.
2. The Light Sheet’s integrated connection blocks have a 4 A capacity. Do not exceed the load capacity of these connection blocks in any configuration.
3. To retain Class 2 compliance per UL regulations, do not exceed 96 watts interconnected (88 watts for eight sheets). Best practices include allowing headroom for power supply longevity. Use only with Class 2 power supply.
4. To avoid visible brightness variances due to voltage drop, the total distance should not exceed 6.5 feet (2 meters) from the power source input to the farthest end of any interconnected sheet.
5. For optimal current flow through the interconnected sheets, connect adjacent Light Sheets with two sheet-to-sheet connection wires on each side.

**PACKING**

Each Auragami® Light Sheet has a full 3M® adhesive backing, long and short sheet-to-sheet connection wires, and protective bumpers with silicone adhesive backing. Light sheets are sold as single sheets, boxes of four, and cartons of 40.

**FEATURES**

- **Advanced 5-Year Warranty** Included
- **Long Lifespan**: 50,000 + hours
- **Energy Efficiency**: 100 lumens per watt
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- **Full Integration Support**: Included
- **Unique Power Distribution Grid**: Groups or single LEDs can be cut* from any part of the Light Sheet
- **Flexible/Foldable PCB**: Polyimide film substrate
- **Consistent Light Quality**: Tight ANSI bin control LEDs
- **LED Quantity/Density**: 332 LEDs per ft² (3572 LEDs per m²)

**SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTIFICATION**

For the latest product updates, specifications, troubleshooting, product handling, installation, and integration advisories, visit www.evo-lite.com.

**CONTACT Evo-Lite for customization requests.**

**PRODUCT DESCRIPTION**

- **Part**: A
  - **Light Sheet Description**: Auragami® Light Sheet (19.80” x 9.25” / 503.5 mm x 235 mm) with 3M® adhesive backing and 12 integrated connection blocks
  - **QTY**: 1

- **Part**: B
  - **Accessory Pack (Included)**
    - **Light Sheet Description**: 20 AWG short sheet-to-sheet connection wires 0.71” (18 mm)
    - **QTY**: 2

- **Part**: C
  - **Light Sheet Description**: 20 AWG long sheet-to-sheet connection wires 3.75” (95 mm)
  - **QTY**: 2

- **Part**: D
  - **Light Sheet Description**: Protective bumpers with silicone adhesive backing
  - **QTY**: 8

- **Part**: E
  - **Light Sheet Description**: 20 AWG 2-conductor power input cable, 48” (1219.2 mm)
  - **QTY**: 1

- **Part**: F
  - **Light Sheet Description**: Wago same polarity, two port splicing connectors
  - **QTY**: 2

- **Part**: G
  - **Light Sheet Description**: Cable management clips with silicone adhesive backing
  - **QTY**: 4
MEASUREMENTS & CONNECTOR LOCATIONS

SINGLE COLOR WHITE LIGHT SHEET

Overall Sheet Size: 19.800" x 9.252" (503.5 mm x 235 mm). Not to scale.

Sheet & LED Height
Terminal Height
Bumper Height

SPECIFYING AURAGAMI

SINGLE COLOR WHITE (SCW)

<table>
<thead>
<tr>
<th>ITEM NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>AG1-24-27</td>
<td>2700K</td>
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<tr>
<td>AG1-24-30</td>
<td>3000K</td>
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<tr>
<td>AG1-24-35</td>
<td>3500K</td>
</tr>
<tr>
<td>AG1-24-40</td>
<td>4000K</td>
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<tr>
<td>AG1-24-53</td>
<td>5300K</td>
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OTHER AVAILABLE OPTIONS

TUNABLE WHITE (TW)

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<th>DESCRIPTION</th>
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<td>AG1-24-TW</td>
<td>2700K – 6500K Tunable White</td>
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DYNAMIC COLOR (RGBW)

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<th>ITEM NUMBER</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>AG1-24-RGBW</td>
<td>RGB + 5300K White</td>
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</tbody>
</table>

Evo-Lite can customize the Auragami Light Sheet to meet your exact specifications. Minimum order quantities apply.

CUSTOMIZE:
- Specific color temperatures
- IP Ratings
- LED pitch and placement
- Connector type and placement
- Sheet size and shape
- Pre-cut custom shapes from standard sheets
- Pre-mounted sheets to quick install substrates
- Wattage / energy-efficiency
- Lumens / brightness
- PCB material type – flexible or rigid

Contact Evo-Lite with customization requests

Note: This specifications sheet is specifically designed for Single Color White LED Sheets. Please consult our other specification sheets for Tunable White and RGBW Auragami LED Sheets.

Auragami® is a patented product of Evo-Lite, LLC. For more information please visit www.evo-lite.com/patent