Auragami™
Flexible LED Light Sheet

EVO-LITE™
ADVANCED LUMINOUS SOLUTIONS

24V | IP65 | DIMMABLE | RoHS COMPLIANT | c UL us LISTED
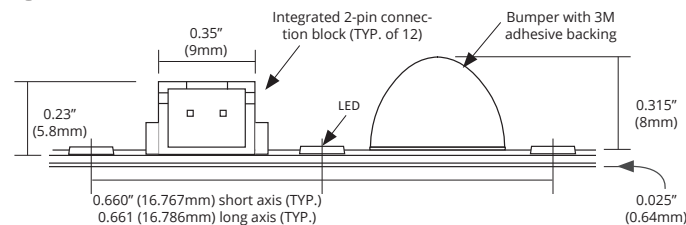
ELECTRICAL

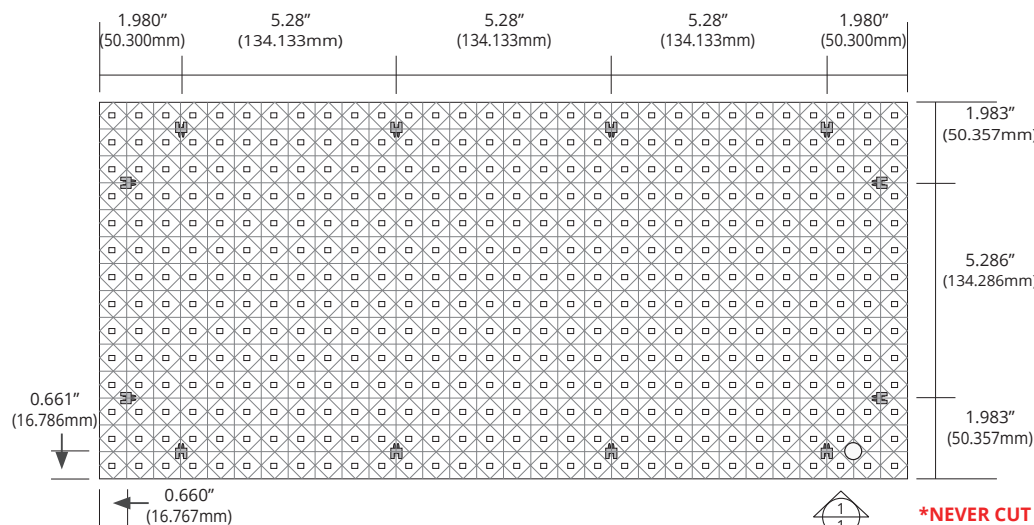|	
Input Voltage	24 Volt DC - Constant Voltage
Power Consumption	12 Watts / sheet (9.45 W / ft², 101.7 W / m²); 0.029 W/LED
Wire Size	20 AWG 2 wire (Grey Stripe +, Solid White –)
Wiring	Up to eight sheets can be powered by one UL Listed or UL Recognized power supply. Use sheet-to-sheet connection wires (included) to interconnect multiple sheets.
Wire Length	One 24" (61cm) 20AWG power lead included with each sheet
Connector	Twelve integrated 2-pin connection blocks
Certification	UL Listed (E495221) See Product Wiring Advisory

PHYSICAL

Color Temperature	Pure White (PW) 5300K
CRI	85+
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 ~ +122˚F (-30˚C ~ +50˚C)
Environment	Wet location (IP65 rated)
Thickness	See Light Sheet Elevation below
Cut/Fold Line Spacing	0.660" (16.767mm) short axis / 0.661" (16.786mm) long axis
Single Sheet Size	19.800" x 9.252" (503.5mm x 235mm / 1.272 ft² (1182cm²) per sheet
Weight	5.0oz (141g) per sheet
Customization Options Available	Pre-cut, pre-mounted, specific color temperatures, IP20 rating, sheet sizes and/or connector placement. Contact Evo-Lite with customization requests.

FEATURES

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
LED Quantity / Density	• 420 SMD type 2835 LEDs per sheet / 330 LEDs per ft² (3559 LEDs per m²)
Energy Efficiency	• Over 90 lumens per watt
Long Lifespan	• 50,000 hours (rated life)
Advanced 5-Year Warranty	• Included

POWER & CONTROLS

Please contact Evo-Lite for optimal power & dimming/control solutions to fit your requirements

PRODUCT WIRING 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 2-pin connection blocks have a 4A 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 interconnect more than eight sheets (96W total). 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 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 includes a full 3M adhesive backing and an Accessory Pack. Light sheets are sold as single sheets, boxes of four and cartons of 40. See Accessory Pack Contents below.

LIGHT SHEET ELEVATION (1)

0.35" (9mm) — Integrated 2-pin connection block (TYP. of 12) — LED — Bumper with 3M adhesive backing
0.23" (5.8mm)
0.315" (8mm)
0.660" (16.767mm) short axis (TYP.)
0.661 (16.786mm) long axis (TYP.)
0.025" (0.64mm)

CONNECTOR BLOCK LOCATIONS

1.980" (50.300mm) | 5.28" (134.133mm) | 5.28" (134.133mm) | 5.28" (134.133mm) | 1.980" (50.300mm)

1.983" (50.357mm)
5.286" (134.286mm)
1.983" (50.357mm)

0.661" (16.786mm)
0.660" (16.767mm)

ACCESSORY PACK CONTENTS

- (4) 0.71" (1.8cm) 20AWG sheet-to-sheet connection wires
- (4) 3.75" (9.5cm) 20AWG sheet-to-sheet connection wires
- (1) 24" (61cm) 20AWG power lead with connector on one end (stripped on the other end)
- (2) Wago® splicing connectors - use for connecting wires with same polarity
- (4) Cable management clips with 3M adhesive backing
- (8) Domed spacing bumpers with 3M adhesive backing
- (1) Installation Manual

*NEVER CUT AURAGAMI LIGHT SHEET(S) WHILE POWERED.