

## Project Details

Name:

Location:

Specifier:

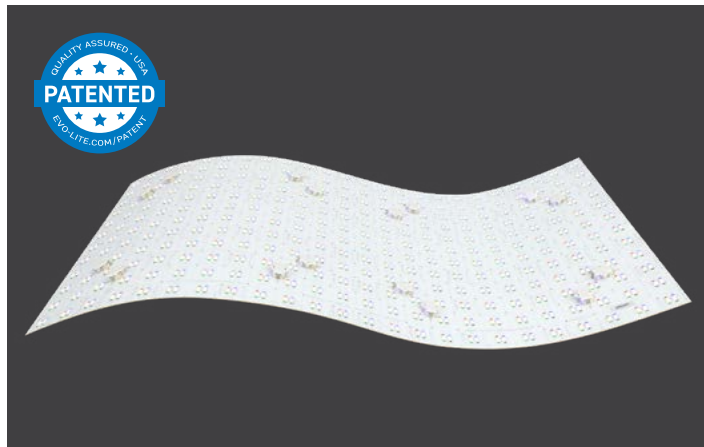
Date:

Additional Accessories:    Power Input Kit    Bumpers    Power Supplies    Controls    AG Roller    Silicone

## Part Number Specification | Single Color White

Model	Voltage	Color (check box)	Sheet Size
AG2.1 - Auragami Gen 2	24 - 24VDC Constant Voltage	RGBW - RGB + 5000K White	1224 - 12in x 24in

Example: AG2.1-24-RGBW-1224. Customizable options available. See last page for full details.



## Auragami Gen 2.1 (AG2.1)

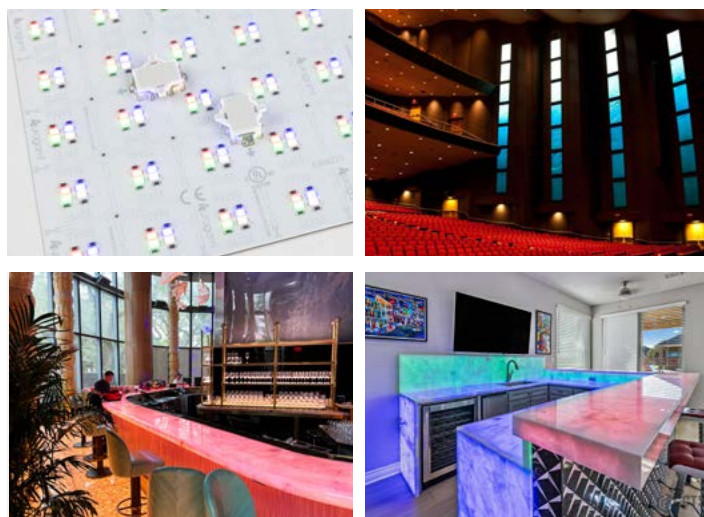
### Second Generation Flexible Light Sheet

**RGB + 5000K**

**Product Description:** The second generation light sheet delivers several new innovations to the category. The industry's most advanced light sheet delivers unparalleled performance, reliability, and ease-of-use.

### Highlights

- Available in five single color white temperatures
- New and improved IP67 connectors, cut lines, and quad bumpers for material support
- IP67 Rated for wet locations with newly engineered polyimide coating
- Cuttable down to a single LED or LED group while maintaining UL Listing
- Easy installs with plug-in-play light sheet connections
- Patented design offers a variety of exclusive innovations



## Specifications | *Listed per full (12x24") light sheet.*

Input Voltage	24VDC Constant Voltage
Power Consumption	17.2 watts (8.6W/ft²)
Color Temperature	RGBW - full color range + dedicated 5000K white LEDs
CRI	95+ (5000K)
Light Output	1,100 lumens
Efficiency	64 lumens per watt
LED Information	<b>Type:</b> SMD-2835 LEDs. <b>Count:</b> 512 LEDs. <b>Beam angle:</b> 120°
Wires	20AWG 5-wire (black + / red - / green - / blue - / white 5300K -)
Connections	IP67 premium grade terminals and plug-in sheet connectors.
Mounting	Adhesive backing and/or mechanical fasteners through precut mounting holes.
Temperature	<b>Operating:</b> -22° to 122°F. <b>Working:</b> 93°F
Surface Temperature	<b>LED:</b> 97°F. <b>PCB:</b> 90°F. <b>Resistor:</b> 93°F (Measured at ≥2 hours of operation).
Environment	IP67 - wet or dry locations
Dimensions	12 x 24in (1 x 2ft) / UL Listed field cuttable
Coverage	2ft² (1x2ft)
Maximum Run	Connect up to 5 full light sheets (86W) / 10ft² per Class 2 guidelines
Cut / Fold Line Spacing	1.0in / every LED
Weight	0.66lbs / 10.6oz / 299g
Rated Life	50,000+ hours
Warranty	5-year warranty (view terms online at evo-lite.com)

## Power & Controls

Compatible with all control protocols via associated power and control components. Quality tested for low-end light output consistency across all LEDs (100-0% dimming with tight ANSI bin control).

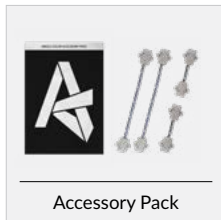
## Class 2 & UL Compliance

Use Class 2 power supplies with a maximum power output of 96W (per channel/ circuit) to retain UL Class 2 Listing compliance. Best practices include allowing headroom for power supply longevity.

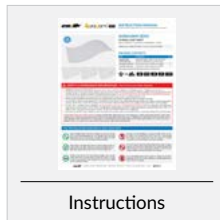
## Packaging Contents



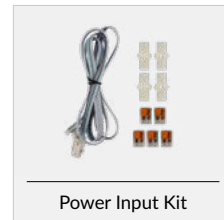
Light Sheet



Accessory Pack



Instructions



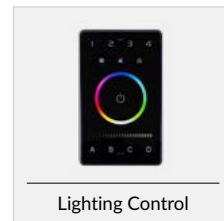
Power Input Kit



Quad Bumper Pack



24VDC Power Supply



Lighting Control



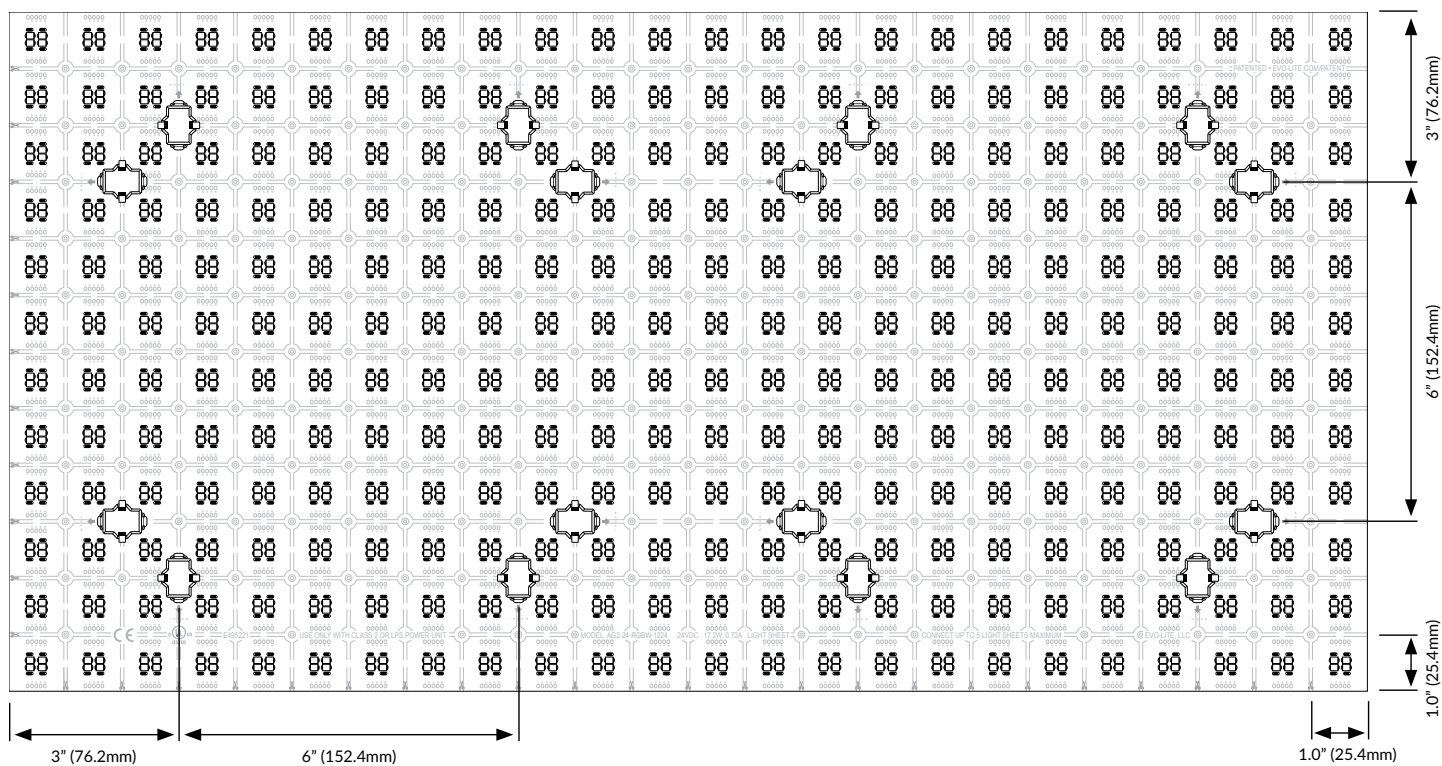
Auragami Roller



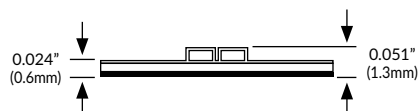
Non-conductive Silicone

## Complete Your System | *View ordering section*

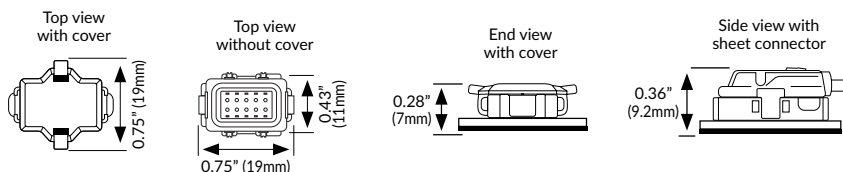
# Technical Drawings



### Light Sheet & LED height

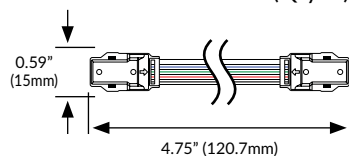


## IP67 Terminal Dimensions

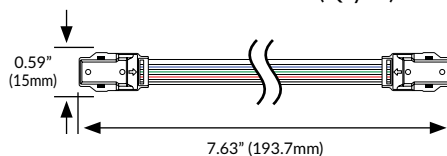


### Accessory Pack (included)

Short Sheet To  
Sheet Connector (Qty. 2)

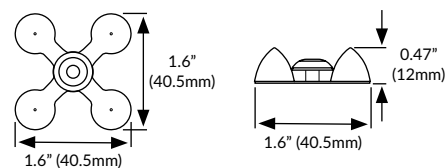


Long Sheet To  
Sheet Connector (Qty. 2)



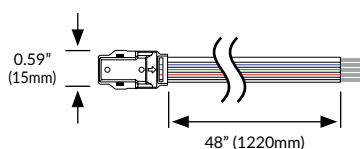
**Bumper Pack (Sold Separately)**

Quad Bumper Pack (Qty. 8)

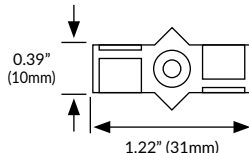


### Power Input Kit (sold Separately)

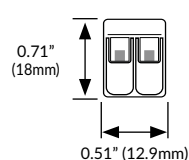
Power Input Cable (Qty. 1)



Cable Clips (Qty. 4)



Wago Connectors (Qty. 5)



# Ordering | RGBW

Model	Voltage	Color	Sheet Size
AG2.1 - Auragami Gen 2	24 - 24VDC Constant Voltage	RGBW - RGB + 5000K	1224 - 12in x 24in

## Example Part Number

AG2.1	—	24	—	RGBW	—	1224
Model		Voltage		Color Temp		Sheet Size

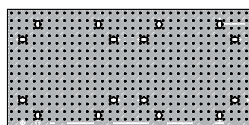
## Accessories

ITEM	PART NUMBER	DESCRIPTION
RGBW Power Input Kit (Required)	AG2-24-RGBW-PIK	Powers one 24VDC Class 2 circuit (86W / 5 full light sheets). Includes (1) 48" single color power input cable, (2) Wago splicing connectors, and (4) wire management clips.
Light Sheet Quad Bumpers	AG2-075-047-QSB-P08	(8) Light Sheet Quad Bumpers for single color and tunable white light sheets.
Short Sheet To Sheet Connectors	AG2.1-24-RGBW-SCP	(4) Additional RGBW Short Sheet To Sheet Connectors.
Long Sheet To Sheet Connectors	AG2.1-24-RGBW-LCP	(4) Additional RGBW Long Sheet To Sheet Connectors.
Auragami Installation Roller	AG1-RLR-EVO	Specially designed foam roller assists in light sheet mounting. Safely mount light sheets without damaging terminals or LEDs.
Electronic Grade Silicone	SI-388CL-EVO	Acid-free electronic grade silicone may be used to supplement cut edges and connection terminals

## Suggested Power Options

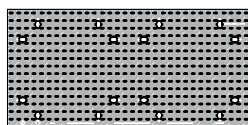
ITEM	PART NUMBER	DESCRIPTION
24V, 5-IN-1 Dimmable LED Driver (1 circuit of 96W)	PS-5N1-1C2496-EVO	24VDC 5-IN-1 Dimmable LED Driver. Compatible with most control protocols: Triac / Phase, 0-10V, 1-10V, Potentiometer, and 10V PWM. 1 circuit of 96W.
24V, 5-IN-1 Dimmable LED Driver (2 circuits of 96W each)	PS-5N1-2C24192-EVO	24VDC 5-IN-1 Dimmable LED Driver. Compatible with most control protocols: Triac / Phase, 0-10V, 1-10V, Potentiometer, and 10V PWM. 2 circuits of 96W each.
24V, 5-IN-1 Dimmable LED Driver (4 circuits of 96W each)	PS-5N1-4C24384-EVO	24VDC 5-IN-1 Dimmable LED Driver. Compatible with most control protocols: Triac / Phase, 0-10V, 1-10V, Potentiometer, and 10V PWM. 4 circuits of 96W each.

## Also Available From Evo-Lite



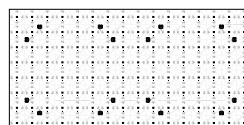
### SINGLE COLOR WHITE

2700K, 3000K,  
3500K, 4000K, 5000K



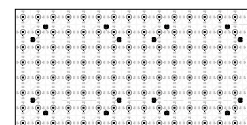
### TUNABLE WHITE

Adjustable white from  
warm 1800K to cool 6500K



### AURAGAMI BASIC

2700K, 3000K, 3500K,  
4000K, 5000K, TW, RGBW



### AURAGAMI BASIC WITH LENS

2700K, 3000K, 3500K,  
4000K, 5000K, (175° lens)

## Auragami Customization Options

All Auragami customizations maintain the UL Listing. Minimum order may apply.

- Voltage
- Power/efficiency/brightness
- Specific color temperatures
- IP Ratings
- Custom sizes/shapes
- LED pitch and placement
- PCB material type, pre-cut sheets
- Pre-mounted to quick install substrates

## Custom Power Option Examples

Power (W/ft²)	Light Output (lm/ft²)	Total Sheet lumens (2ft²)
8.6	550	1,100
6.45	413	825
4.3	275	550
2.15	138	275

