

## RGB + WHITE (5000K) FLEXIBLE LIGHT SHEET

BACKLIGHTING // FLEXIBLE LIGHT SHEETS // AURAGAMI

PART #: AG2-24-RGBW-1224

**Product Description:** Auragami Gen 2 RGBW offers an unlimited palette of vibrant colors. Separate, dedicated 5000K LEDs offer standard white light for every day use. Mix all 4 channels to craft any imaginable color.

### FEATURES

- Billions of RGB colors with dedicated white LEDs
- New and improved IP67 connectors, cut lines, and bumpers
- 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 exemplifies ingenuity and advantage.



### ELECTRICAL

<b>Input Voltage</b>	24VDC - Constant Voltage
<b>Power Consumption</b>	17.2W per sheet (8.6W/ft <sup>2</sup> , 93W/m <sup>2</sup> ); 0.008W per LED
<b>Wires</b>	20AWG 5-wire (black + / red - / green - / blue - / white 5300K -)
<b>Connections</b>	IP67 premium grade terminals and plug-in sheet connectors
<b>Certifications</b>	UL Listed (E495221), CE Compliant (EMC and LVD), RoHS Certified, UKCA

### PHYSICAL

<b>Color Temperature</b>	RGBW (5000K)
<b>CRI</b>	95+ (5000K)
<b>Light Output</b>	1100 lumens per sheet (5000K)
<b>Mounting</b>	Use mechanical fasteners through marked mounting holes. Adhesive backing is a supplementary method.
<b>Operating / Working Temperature</b>	<b>Operating:</b> -22°F to 122°F (-30°C to 50°C), <b>Working:</b> 93°F (34°C),
<b>Surface Temperature</b>	<b>LED:</b> 97°F (36°C), <b>PCB:</b> 90°F (32°C), <b>Resistor:</b> 93°F (34°C) (Measurements taken at ≥ 2 hours of operation)
<b>Environment</b>	IP67 - Wet and dry locations
<b>Coverage</b>	2ft <sup>2</sup> (0.19m <sup>2</sup> ) per sheet / up to 10ft <sup>2</sup> (0.93m <sup>2</sup> ) per Class 2 guidelines
<b>Cut/Fold Line Spacing</b>	1.0" (25.4mm) short axis / 1.0" (25.4mm) long axis
<b>Dimensions</b>	12" x 24" (304.8mm x 609.6mm), Field cuttable
<b>Weight</b>	0.66lbs / 10.6oz / 299g

### PRODUCT CONTENTS

Each Auragami Gen 2 Light Sheet comes standard with the following items:



### FEATURES

<b>Field Customizable</b>	Maintains UL Listing when cut
<b>Full Integration Support</b>	From concept to completion
<b>Unique Power Distribution Grid</b>	LEDs groups can be cut from anywhere on light sheet
<b>Flexible / Foldable PCB</b>	Polyimide film substrate
<b>Consistent Light Quality</b>	Tight ANSI bin control LEDs
<b>LED Quantity / Density</b>	2048 SMD type 2835 LEDs per sheet
<b>Energy Efficiency</b>	64 lumens per watt (5000K)
<b>Long Lifespan</b>	50,000+ hours
<b>Advanced 5-Year Warranty</b>	Visit section 19 of <a href="http://evo-lite.com/legal-documents#terms">evo-lite.com/legal-documents#terms</a>

### POWER & CONTROLS

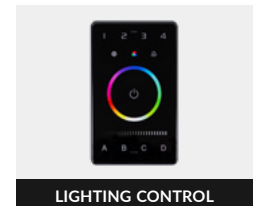
Compatible with all control protocols via associated power and control components. Quality tested for low-end light output consistency across all LEDs (100-0%).

### CLASS 2 & UL COMPLIANCE

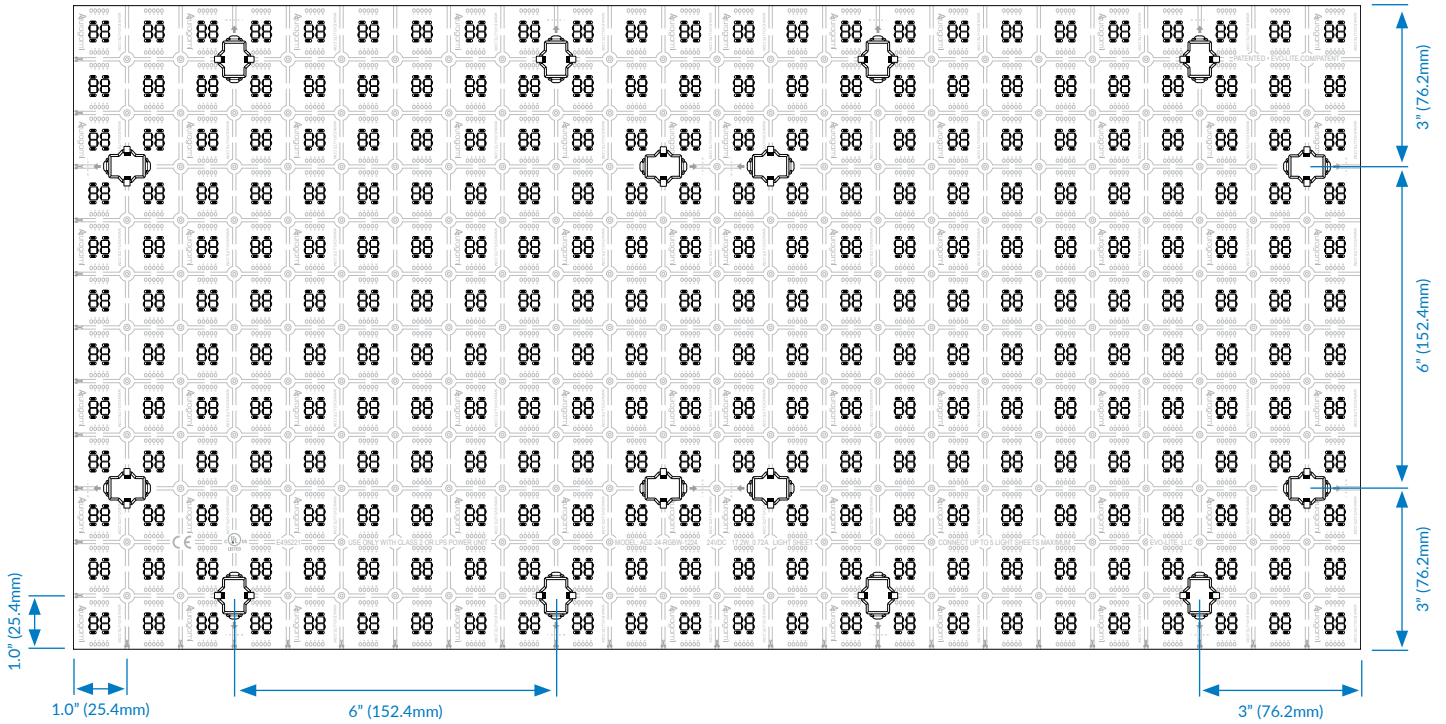
Use Class 2 power supplies with a maximum power output of 96W (per channel/circuit) to retain UL Class 2 Listing compliance. Best practices include allowing headroom for power supply longevity.

### COMPLETE YOUR SYSTEM (SOLD SEPARATELY)

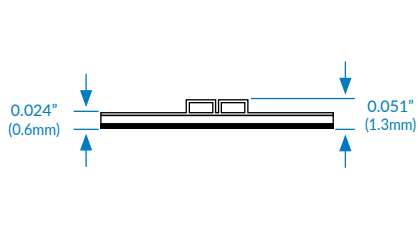
Don't forget to order the appropriate lighting system components.



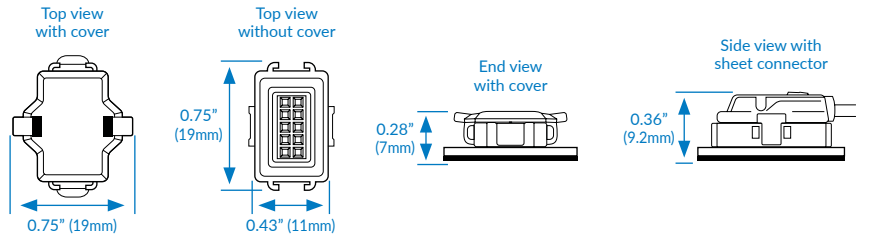
AG2 RGB + WHITE LIGHT SHEET (INCLUDED)



LIGHT SHEET & LED HEIGHT

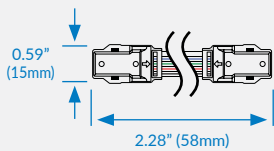


IP67 TERMINAL DIMENSIONS

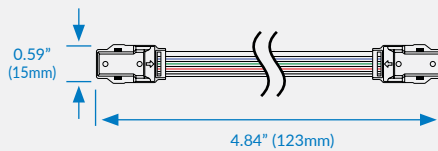


ACCESSORY PACK (INCLUDED)

Short Sheet To Sheet Connector (Qty. 2)

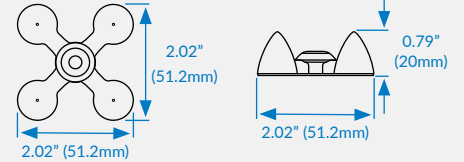


Long Sheet To Sheet Connector (Qty. 2)



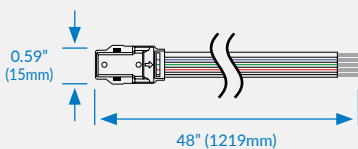
BUMPER PACK (SOLD SEPARATELY)

Quad Bumpers (Qty. 8)

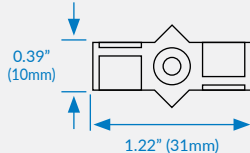


POWER INPUT KIT (SOLD SEPARATELY)

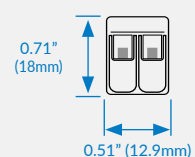
Power Input Cable (Qty. 1)



Cable Clips (Qty. 4)



Wago Connectors (Qty. 5)

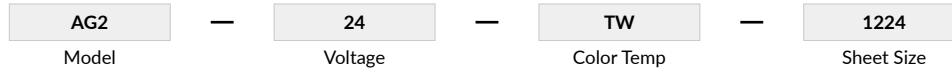


## ORDERING INFORMATION

### RGB + WHITE LIGHT SHEETS (Customization options available, see bottom of page.)

MODEL	VOLTAGE	COLOR TEMPERATURE	SHEET SIZE
AG2 - Auragami Gen 2	24 - 24VDC Constant Voltage	TW - Tunable White, 1800-6500K	1224 - 12" by 24"

#### Example Part Number



### RGB + WHITE ACCESSORIES (SOLD SEPARATELY)

ITEM	PART NUMBER	DESCRIPTION
RGB + White Power Input Kit <i>(Required)</i>	AG2-RGBW-PIK	Powers one 24VDC Class 2 circuit (86W / 5 full light sheets). Includes (1) 48" single color power input cable, (3) Wago splicing connectors, and (4) wire management clips.
Light Sheet Quad Bumpers	AG2-100-078-QSB-P08	(8) Light Sheet Quad Bumpers for RGBW light sheets.
Short Sheet To Sheet Connectors	AG2-24-RGBW-SCP	(4) Additional Tunable White Short Sheet To Sheet Connectors.
Long Sheet To Sheet Connectors	AG2-24-RGBW-LCP	(4) Additional Tunable White 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

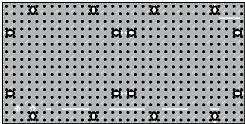
### SUGGESTED POWER OPTIONS (We stock a variety of the most popular power supplies (not shown below). Let us know if you have a preference.)

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.

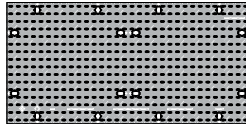
### SUGGESTED CONTROL OPTIONS

We stock and offer the most popular lighting control types and brands including, Leviton, LTECH, Sunricher, AmbienTech, Dali, DMX, and more. Please let your System Integration Specialist know if you have a control type preference or would like a suggestion. Auragami is compatible with all control types via associated control components.

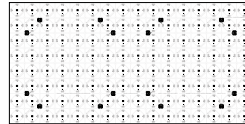
## ALSO AVAILABLE FROM EVO-LITE



**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

#### CUSTOMIZATION OPTIONS

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

- Voltage
- Wattage/efficiency
- Lumens/brightness
- Specific color temperatures
- IP Ratings
- Pre cut sheets with factory sealed IP Rating
- LED pitch and placement
- PCB material type, pre-cut sheets
- Pre-mounted to quick install substrates

This product comes with an advanced 5-year warranty. Please review section 19 of Terms & Conditions of Sale at [evo-lite.com/legal-documents#terms](http://evo-lite.com/legal-documents#terms)  
Auragami® is a patented product of Evo-Lite, LLC. For more information please visit [www.evo-lite.com/patent](http://www.evo-lite.com/patent)