Auragami GEN2 | SPECIFICATION SHEET

evo-lite ADVANCED LUMINOUS SOLUTIONS

Project Details

Name: Location:

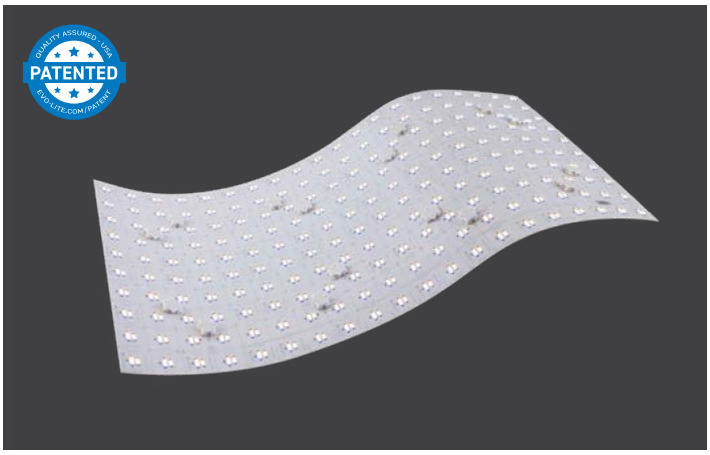
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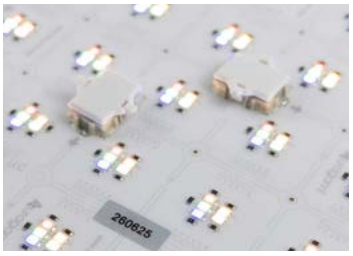
Additional Accessories: ☐ Power Input Kit ☐ Bumpers ☐ Power Supplies ☐ Controls ☐ AG Roller ☐ Silicone

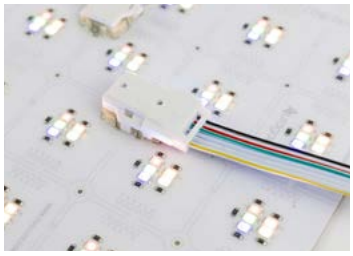
Part Number Specification | RGBCW (RGB + 1800-6500K)

Model	Voltage	Color (check box)	Sheet Size
AG2.1 - Auragami Gen 2	**24** - 24VDC Constant Voltage	☐ **RGBCW** - RGB + 1800-6500K White	**1224** - 12in x 24in

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











Auragami Gen 2.1 (AG2.1)

Second Generation Flexible Light Sheet

RGBCW (RGB + 1800-6500K)

Product Description: Auragami Gen 2 RGBCW delivers billions of saturated colors and extended range 1800-6500K tunable white. Choose a fun color for themed events or pick your favorite level of warm/cool white for every day use.

Highlights

- Billions of deeply saturated RGB colors + dedicated tunable white LEDs for complete spectrum performance
- 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 RGBCW LED group while maintaining UL Listing
- Easy installs with plug-in light sheet connections
- Patented design offers a variety of exclusive innovations

c UL us LISTED CE RoHS COMPLIANT UK CA | 24VDC Low-Voltage | Dimmable | 5-YEAR Warranty

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

Input Voltage	24VDC Constant Voltage
Power Consumption	17.2 watts (8.6W/ft²)
Color Temperature	RGBCW - full RGB color range + 1800-6500K tunable white
CRI	95+ (5000K)
Light Output	1,066 lumens (all LEDs on)
Efficiency	62 lumens per watt (all LEDs on)
LED Information	**Type:** SMD-2835 LEDs. **Count:** 1000 LEDs. **Beam angle:** 120°
Wires	20AWG 6-wire (black + / red – / green – / blue – / white 6500K – / yellow 1800K –)
Connections	IP67 premium grade terminals and plug-in sheet connectors.
Mounting	Adhesive backing and/or mechanical fasteners through precut mounting holes.
Temperature	**Operating:** –22° to 122°F. **Working:** 93°F
Surface Temperature	**LED:** 118°F. **PCB:** 108°F. **Resistor:** 106°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	1.2in / every LED group
Weight	0.66lbs / 10.6oz / 300g
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


Connector Pack


Instructions

Complete Your System | *View ordering section*


Power Input Kit


Quad Bumper Pack

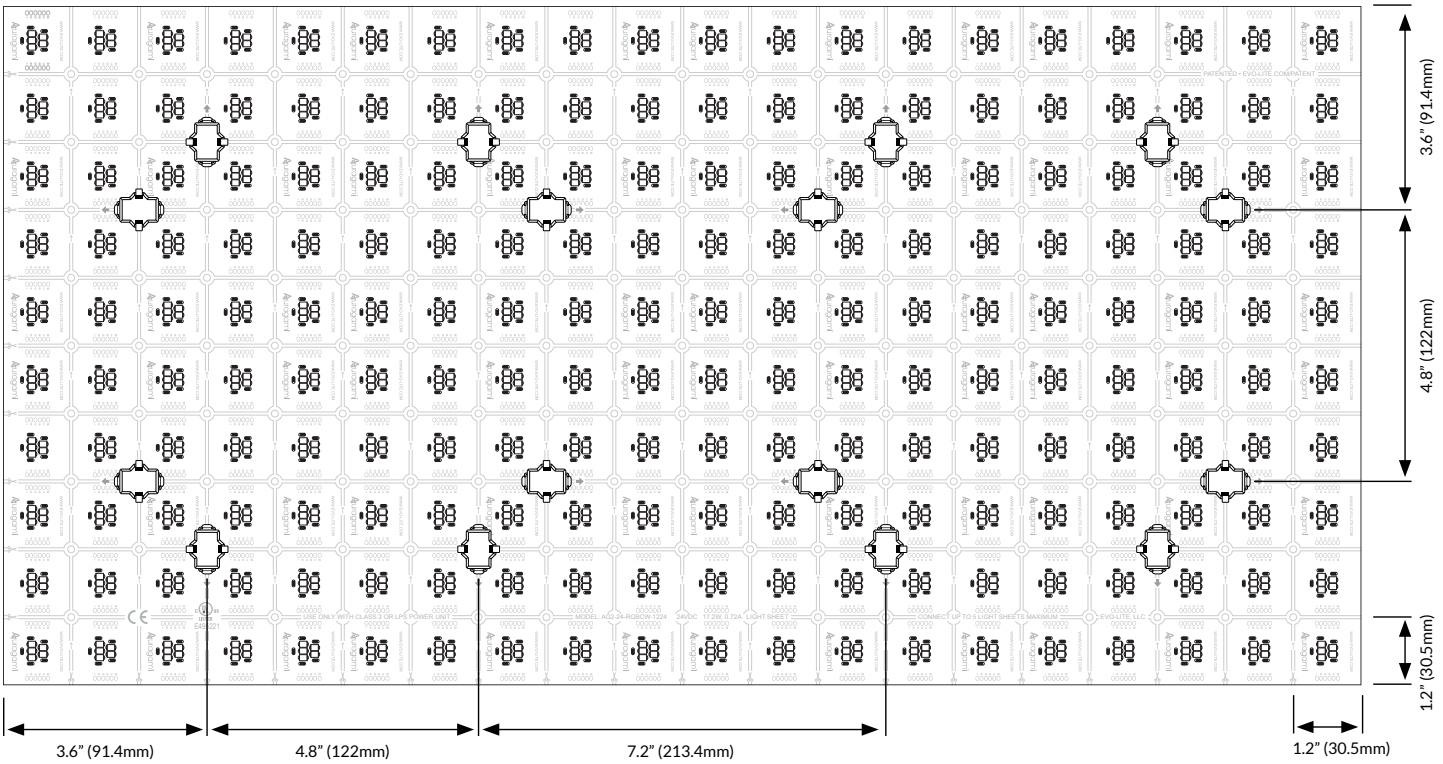

24VDC Power Supply


Lighting Control

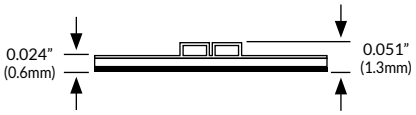

Auragami Roller


Non-conductive Silicone

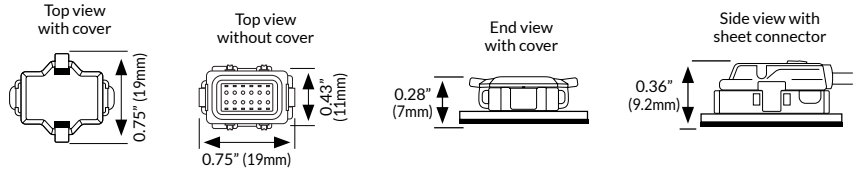
Technical Drawings



Light Sheet & LED height

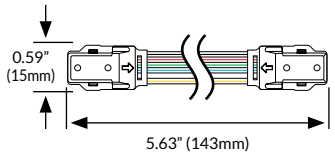


IP67 Terminal Dimensions

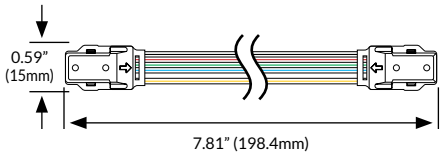


Accessory Pack (included)

Short Sheet To
Sheet Connector (Qty. 2)

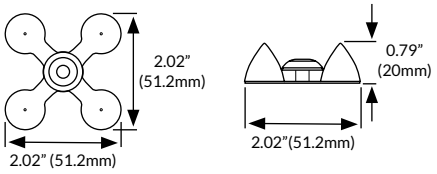


Long Sheet To
Sheet Connector (Qty. 2)



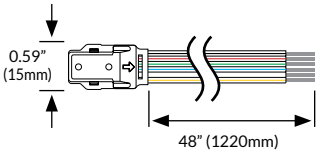
Bumper Pack (Sold Separately)

Quad Bumper Pack (Qty. 8)

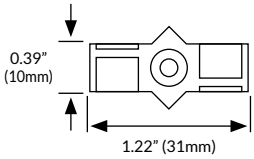


Power Input Kit (sold Separately)

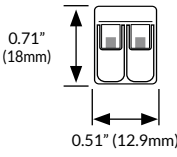
Power Input Cable (Qty. 1)



Cable Clips (Qty. 4)



Wago Connectors (Qty. 6)



Ordering | RGBCW

Model	Voltage	Color	Sheet Size
AG2.1 - Auragami Gen 2	**24** - 24VDC Constant Voltage	**RGBCW** - RGBCW (RGB + 1800-6500K)	**1224** - 12in x 24in

Part Number

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

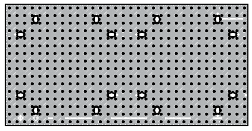
Accessories

ITEM	PART NUMBER	DESCRIPTION
RGBCW Power Input Kit (Required)	**AG2-24-RGBCW-PIK**	Powers one 24VDC Class 2 circuit (86W / 5 full light sheets). Includes (1) 48" single color power input cable, (6) Wago splicing connectors, and (4) wire management clips.
Large Light Sheet Quad Bumpers	**AG2-100-078-QSB-P08**	(8) Large Light Sheet Quad Bumpers for RGBCW light sheets.
Short Sheet To Sheet Connectors	**AG2.1-24-RGBCW-SCP**	(4) Additional RGBCW Short Sheet To Sheet Connectors.
Long Sheet To Sheet Connectors	**AG2.1-24-RGBCW-LCP**	(4) Additional RGBCW 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	**ASI-388CL-EVO**	Acid-free electronic grade silicone may be used to supplement cut edges and connection terminals

Suggested Power Options

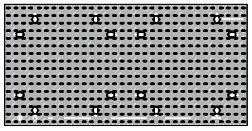
ITEM	PART NUMBER	DESCRIPTION
24V, 5-IN-1 Dimmable LED Driver (1 circuit of 96W)	**PS-5N1-1C2496-EVO**	24VDC 5-IN-1 Dimmable LED Driver. Compatible with most control protocols: Triac / Phase, 0-10V, 1-10V, Potentiometer, and 10V PWM. 1 circuit of 96W.
24V, 5-IN-1 Dimmable LED Driver (2 circuits of 96W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



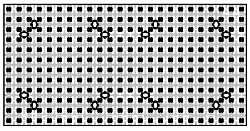
Single Color White

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



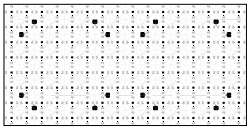
Tunable White

Adjustable white from warm 1800K to cool 6500K



RGBW

Billions of colors + dedicated 5000K white diodes.



Auragami Basic

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

Auragami Customization Options

Most 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/ft^2)	Light Output (Lm/ft^2)	Total Sheet Lumens ($2ft^2$)
17.2	533	1,066
8.6	266.5	533
4.3	133.25	266.5
2.15	66.63	133.25