

Project Details

Name:

Location:

Specifier:

Date:

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

Part Number Specification | Basic RGBW (5000K)

Model	Voltage	Color (check box)	Sheet Size
AG2B - Auragami Gen 2 Basic	24 - 24VDC Constant Voltage	RGBW - RGBW (5000K)	1224 - 12in x 24in

Example: AG2B-24-RGBW-1224. Customizable options available. See last page for full details.



Auragami Gen2 Basic (AG2B)

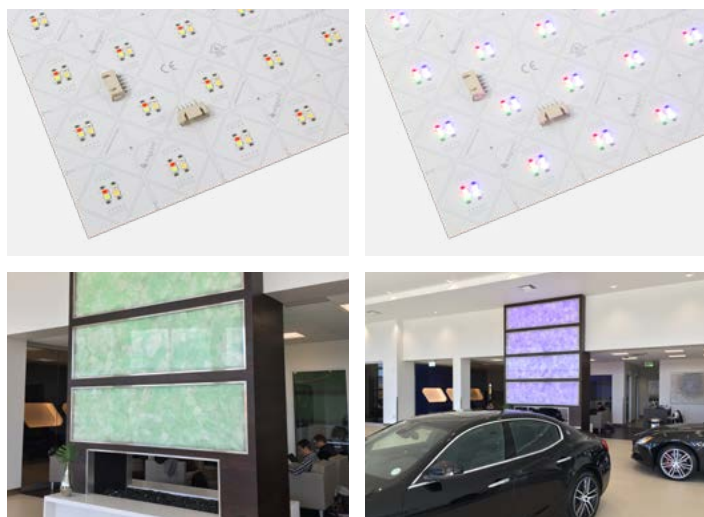
Basic Flexible Light Sheet

RGBW (5000K)

Product Description: Auragami Gen 2 RGBW is a streamlined version of the standard AG2 light sheet. Use it in applications where diffusion space is available or when an economical solution is needed.

Highlights

- Billions of colors available plus dedicated 5000K white diodes for every day use
- New and improved cut lines and patented quad bumpers for material support
- Standard XHP plug-n-play connections
- IP20 Rated for dry locations only
- Field-cuttable down to a single LED group while maintaining UL Listing
- Easy installs with plug-n-play light sheet connections
- Measures 1 x 2ft, fits standard building materials



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

Input Voltage	24VDC Constant Voltage
Power Consumption	17.2 watts (8.6W/ft²)
Color Temperature	RGBW (5000K)
CRI	Up to 95+
Light Output	1,152 lumens
Efficiency	67 lumens per watt
LED Information	Type: SMD-2835 LEDs. Count: 512 LEDs. Beam angle: 120°
Wires	20AWG 5-wire: black wire +, red -, green -, blue -, white -
Connections	Standard XHP plug-n-play connections
Mounting	Adhesive backing and/or mechanical fasteners through precut mounting holes.
Temperature	Operating: -22° to 122°F. Working: 93°F
Surface Temperature	LED: 97°F. PCB: 90°F. Resistor: 93°F (Measured at ≥2 hours of operation).
Environment	IP20 - 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	1.5in / every LED
Weight	0.42lbs / 6.7oz / 189g
Rated Life	50,000+ hours
Warranty	5-year warranty (view terms online at evo-lite.com)

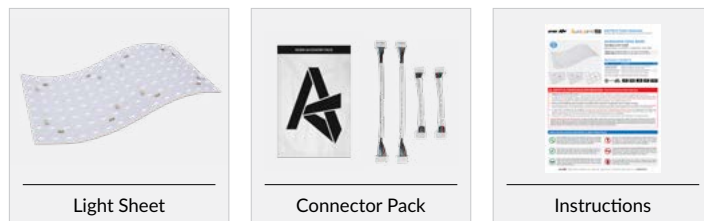
Power & Controls

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.

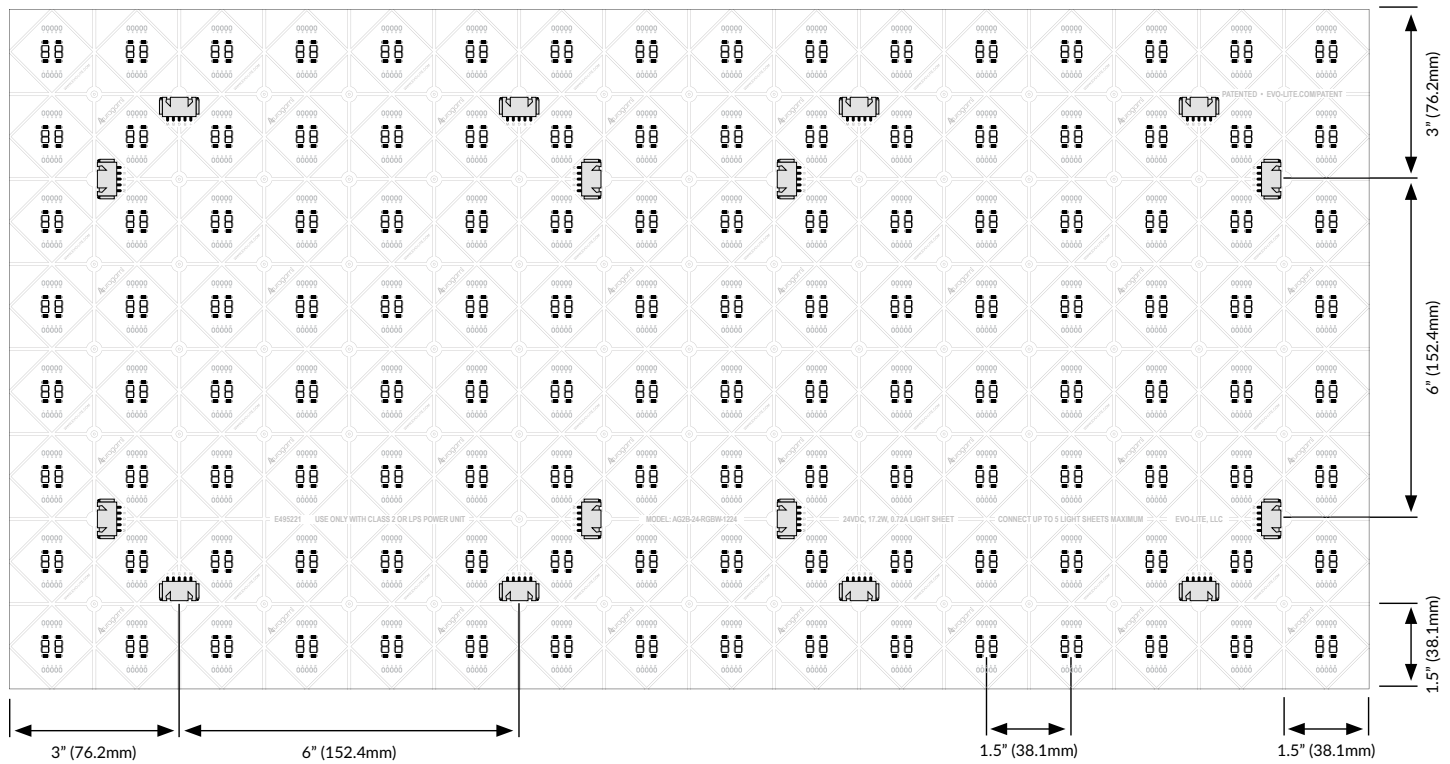
Packaging Contents



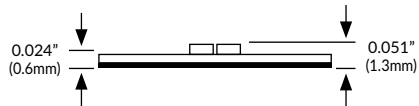
Complete Your System | [View ordering section](#)



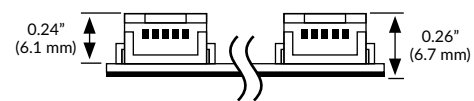
Technical Drawings



Light Sheet & LED height

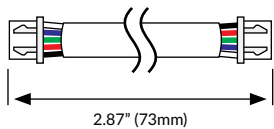


Terminal Dimensions

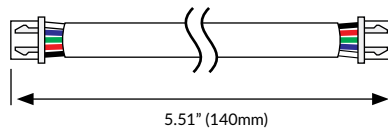


Accessory Pack (included)

Short Sheet To
Sheet Connector (Qty. 2)

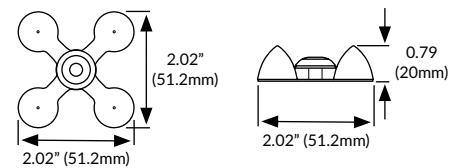


Long Sheet To
Sheet Connector (Qty. 2)



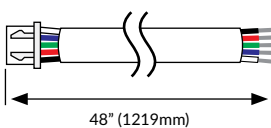
Bumper Pack (Sold Separately)

Quad Bumper Pack (Qty. 8)

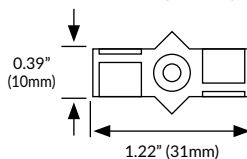


Power Input Kit (sold Separately)

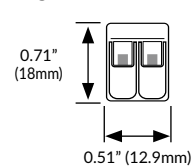
Power Input Cable (Qty. 1)



Cable Clips (Qty. 4)



Wago Connectors (Qty. 5)



Ordering | Basic RGBW (5000K)

Model	Voltage	Color	Sheet Size
AG2B - Auragami Gen 2 Basic	24 - 24VDC Constant Voltage	RGBW - RGBW (5000K)	1224 - 12in x 24in

Example Part Number

AG2B	—	24	—	RGBW	—	1224
Model		Voltage		Color Temp		Sheet Size

Accessories

ITEM	PART NUMBER	DESCRIPTION
RGBW Basic Power Input Kit (Required)	AG2B-24-RGBW-PIK	Powers one 24VDC Class 2 circuit (86W / 5 full light sheets). Includes (1) 48" single color power input cable, (5) Wago splicing connectors, and (4) wire management clips.
Light Sheet Quad Bumpers	AG2-100-078-QSB-P08	(8) Large Light Sheet Quad Bumpers.
Short Sheet To Sheet Connectors	AG2B-24-RGBW-SCP	(4) Additional RGB + White Short Sheet To Sheet Connectors.
Long Sheet To Sheet Connectors	AG2B-24-RGBW-LCP	(4) Additional RGB + 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

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

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



Auragami®

Visit us online at evo-lite.com to explore the entire Auragami Flexible Light Sheet product line and our other lighting solutions!

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



WWW.EVO-LITE.COM • INFO@EVO-LITE.COM • 1-888-887-2980 • ©EVO-LITE, LLC • ARVADA, COLORADO, USA • V2-4125

