

Project Details

Name:

Location:

Specifier:

Date:

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

Part Number Specification | Basic Single Color White with Lens

Model	Voltage	Color (check box)	Lens	Sheet Size
AG2B - Auragami Gen 2 Basic	24 - 24VDC Constant Voltage	27 - 2700K	L175 - 175° lens	1224 - 12in x 24in
		30 - 3000K		
		35 - 3500K		
		40 - 4000K		
		50 - 5000K		

Example: AG2B-24-35-L175-1224. Customizable options available. See last page for full details.



Auragami Gen2 Basic (AG2B)

Basic Flexible Light Sheet

Single Color White with Lens

Product Description: Auragami Basic is a streamlined version of the standard AG2 Light Sheet. It's perfect for applications where diffusion space is available or when an economical solution is needed.

Highlights

- Available in five single color white temperatures with 175° light dispersing lens.
- New and improved cut lines.
- Standard XHP plug-n-play connections
- IP20 Rated for dry locations only
- Field-cutable down to a single LED or LED group while maintaining UL Listing
- Easy installs with plug-in-play light sheet connections
- Measures 1 x 2ft, fits standard building materials
- 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	2700K, 3000K, 3500K, 4000K, 5000K
CRI	Up to 95+
Light Output	1,720 lumens
Efficiency	100 lumens per watt
LED Information	Type: SMD-2835 LEDs. Count: 128 LEDs. Lensed: 175° beam angle
Wires	20AWG 2-wire (grey striped wire +)
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	0.58lbs / 9.3oz / 263g
Rated Life	50,000+ hours
Warranty	5-year warranty (view terms online at evo-lite.com)

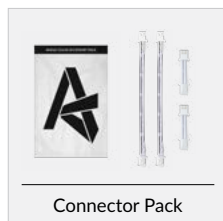
Power & Controls

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

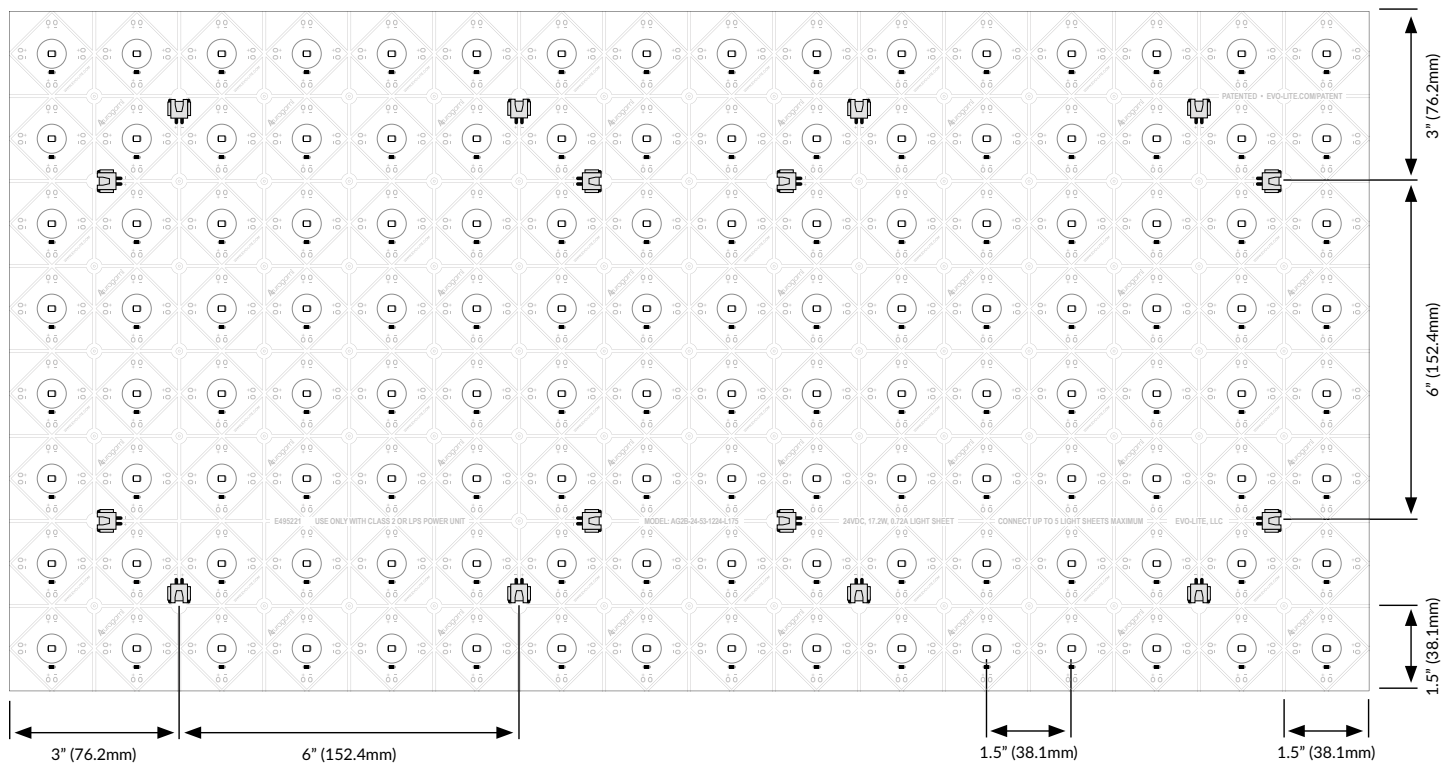
Use Class 2 power supplies with a maximum power output of 96W (per channel/ circuit) to retain UL Class 2 Listing compliance. Best practices include allowing headroom for power supply longevity.

Packaging Contents

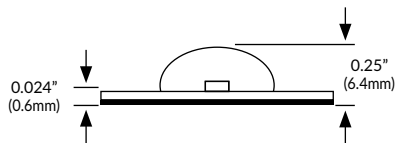


Complete Your System | [View ordering section](#)

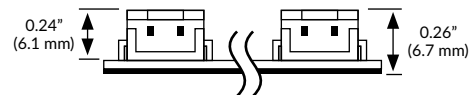
Technical Drawings



Light Sheet & LED height

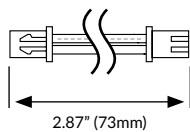


Terminal Dimensions

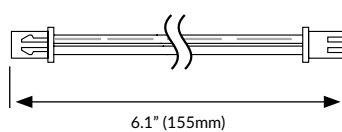


Accessory Pack (included)

Short Sheet To
Sheet Connector (Qty. 2)



Long Sheet To
Sheet Connector (Qty. 2)



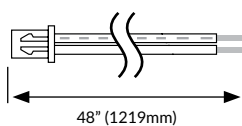
Bumper Pack (Sold Separately)

Lensed light sheets cannot be used with bumpers.

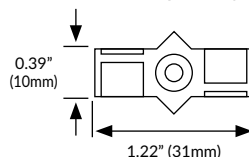
The 175° lens reflects light off the bumpers, potentially causing hot-spots. Use lensed light sheets in applications where bumpers are not required.

Power Input Kit (sold Separately)

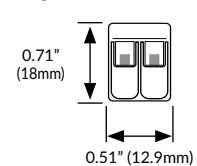
Power Input Cable (Qty. 1)



Cable Clips (Qty. 4)



Wago Connectors (Qty. 2)



Ordering | Basic Single Color White with Lens

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Example Part Number

AG2B	—	24	—	35	—	L175	—	1224
Model		Voltage		Color Temp		Lens		Sheet Size

Accessories

ITEM	PART NUMBER	DESCRIPTION
Single Color Basic Power Input Kit (Required)	AG2B-24-SC-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.
Short Sheet To Sheet Connectors	AG2B-24-SC-SCP	(4) Additional Single Color Short Sheet To Sheet Connectors.
Long Sheet To Sheet Connectors	AG2B-24-SC-LCP	(4) Additional Single Color 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

Light Sheet Quad Bumpers not recommended for use with lensed versions.

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



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