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	**27** - 2700K	**1224** - 12in x 24in
		30 - 3000K	
		35 - 3500K	
		40 - 4000K	
		50 - 5000K	

Example: AG2.1-24-50-1224. Customizable options available. See last page for full details.

Auragami Gen 2.1 (AG2.1)

Second Generation Flexible Light Sheet

Single Color White

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

UL LISTED | CE | RoHS COMPLIANT | UKCA | **24VDC** Low-Voltage | Dimmable | **5-YEAR** Warranty

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

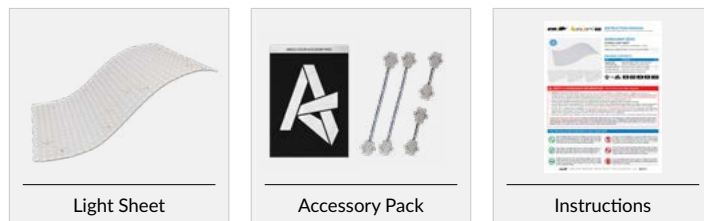|	
Input Voltage	24VDC Constant Voltage
Power Consumption	17.2 watts (8.6W/ft^2)
Color Temperature	2700K, 3000K, 3500K, 4000K, 5000K
CRI	Up to 95+
Light Output	1,720 lumens
Efficiency	100 lumens per watt
LED Information	**Type:** SMD-2835 LEDs. **Count:** 512 LEDs. **Beam angle:** 120°
Wires	20AWG 2-wire (grey striped wire +)
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:** 97°F. **PCB:** 90°F. **Resistor:** 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	2ft^2 (1x2ft)
Maximum Run	Connect up to 5 full light sheets (86W) / 10ft^2 per Class 2 guidelines
Cut / Fold Line Spacing	0.75in / every LED
Weight	0.65lbs / 10.4oz / 295g
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

Complete Your System | *View ordering section*

Power Input Kit

Quad Bumper Pack

24VDC Power Supply

Lighting Control

Auragami Roller

Non-conductive Silicone

Technical Drawings

3" (76.2mm)

6" (152.4mm)

3" (76.2mm)

6" (152.4mm)

0.75" (19.5mm)

0.75" (19.5mm)

Light Sheet & LED height

0.024" (0.6mm)

0.051" (1.3mm)

IP67 Terminal Dimensions

Top view with cover

Top view without cover

End view with cover

Side view with sheet connector

0.75" (19mm)

0.43" (11mm)

0.28" (7mm)

0.36" (9.2mm)

0.75" (19mm)

Accessory Pack (included)

Short Sheet To Sheet Connector (Qty. 2)

0.71" (18mm)

3.75" (95.3mm)

Long Sheet To Sheet Connector (Qty. 2)

0.71" (18mm)

6.25" (158.8mm)

Bumper Pack (Sold Separately)

Quad Bumper Pack (Qty. 8)

1.6" (40.5mm)

0.47" (12mm)

1.6" (40.5mm)

1.6" (40.5mm)

Power Input Kit (sold Separately)

Power Input Cable (Qty. 1)

0.71" (18mm)

48" (1220mm)

Cable Clips (Qty. 4)

0.39" (10mm)

1.22" (31mm)

Wago Connectors (Qty. 2)

0.71" (18mm)

0.51" (12.9mm)

Ordering | Single Color White

Model	Voltage	Color	Sheet Size
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		30 - 3000K	
		35 - 3500K	
		40 - 4000K	
		50 - 5000K	

Example Part Number

AG2.1	—	24	—	35	—	1224
Model		Voltage		Color Temp		Sheet Size

Accessories

| ITEM	PART NUMBER	DESCRIPTION
Single Color Power Input Kit (Required)	AG2-24-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.
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-SC-SCP	(4) Additional Single Color Short Sheet To Sheet Connectors.
Long Sheet To Sheet Connectors	AG2.1-24-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

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
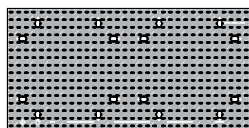
TUNABLE WHITE

Adjustable white from warm 1800K to cool 6500K
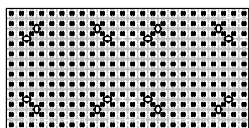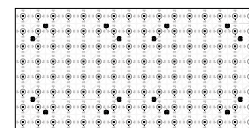

RGBW

Billions of colors + dedicated 5000K white diodes.
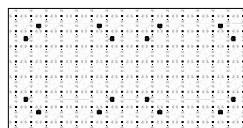
AURAGAMI BASIC

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

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/ft^2)	Light Output (Lm/ft^2)	Total Sheet lumens (2ft^2)
8.6	860	1,720
6.45	645	1,290
4.3	430	860
2.15	215	430