

TUNABLE WHITE FLEXIBLE LIGHT SHEET

BACKLIGHTING // FLEXIBLE LIGHT SHEETS // AURAGAMI

PART #: AG2-24-TW-1224

Product Description: Auragami Gen 2 Tunable White gets a distinct upgrade with an improved selectable CCT range from ultra soft, warm white 1800K to energizing, bright white 6500K.

FEATURES

- New extended range tunable white from 1800K to 6500K
- 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

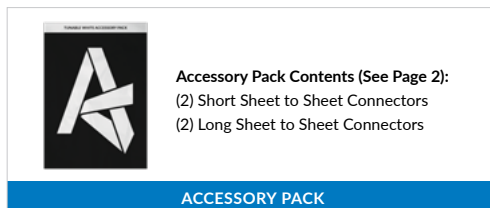
Input Voltage	24VDC - Constant Voltage
Power Consumption	17.2W per sheet (8.6W/ft ² , 93W/m ²); 0.034W per LED
Wires	20AWG 3-wire ((CW) white wire -, (WW) yellow wire -, black wire +)
Connections	IP67 premium grade terminals and plug-in sheet connectors
Certifications	UL Listed (E495221), CE Compliant (EMC and LVD), RoHS Certified, UKCA

PHYSICAL

Color Temperature	Wide range adjustable white from 1800 - 6500K
CRI	95+ (92+ ≤2700K)
Light Output	1720 lumens per sheet
Mounting	Use mechanical fasteners through marked mounting holes. Adhesive backing is a supplementary method.
Operating / Working Temperature	Operating: -22°F to 122°F (-30°C to 50°C), Working: 93°F (34°C),
Surface Temperature	LED: 97°F (36°C), PCB: 90°F (32°C), Resistor: 93°F (34°C) (Measurements taken at ≥ 2 hours of operation)
Environment	IP67 - Wet and dry locations
Coverage	2ft ² (0.19m ²) per sheet / up to 10ft ² (0.93m ²) per Class 2 guidelines
Cut/Fold Line Spacing	0.75" (19.5mm) short axis / 0.75" (19.5 mm) long axis
Dimensions	12" x 24" (304.8mm x 609.6mm), Field cuttable
Weight	0.65lbs / 10.5oz / 297g

PRODUCT CONTENTS

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



FEATURES

Field Customizable	Maintains UL Listing when cut
Full Integration Support	From concept to completion
Unique Power Distribution Grid	LED groups can be cut from anywhere on light sheet
Flexible / Foldable PCB	Polyimide film substrate
Consistent Light Quality	Tight ANSI bin control LEDs
LED Quantity / Density	1024 SMD type 2835 LEDs per sheet
Energy Efficiency	100 lumens per watt
Long Lifespan	50,000+ hours
Advanced 5-Year Warranty	Visit section 19 of evo-lite.com/legal-documents#terms

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

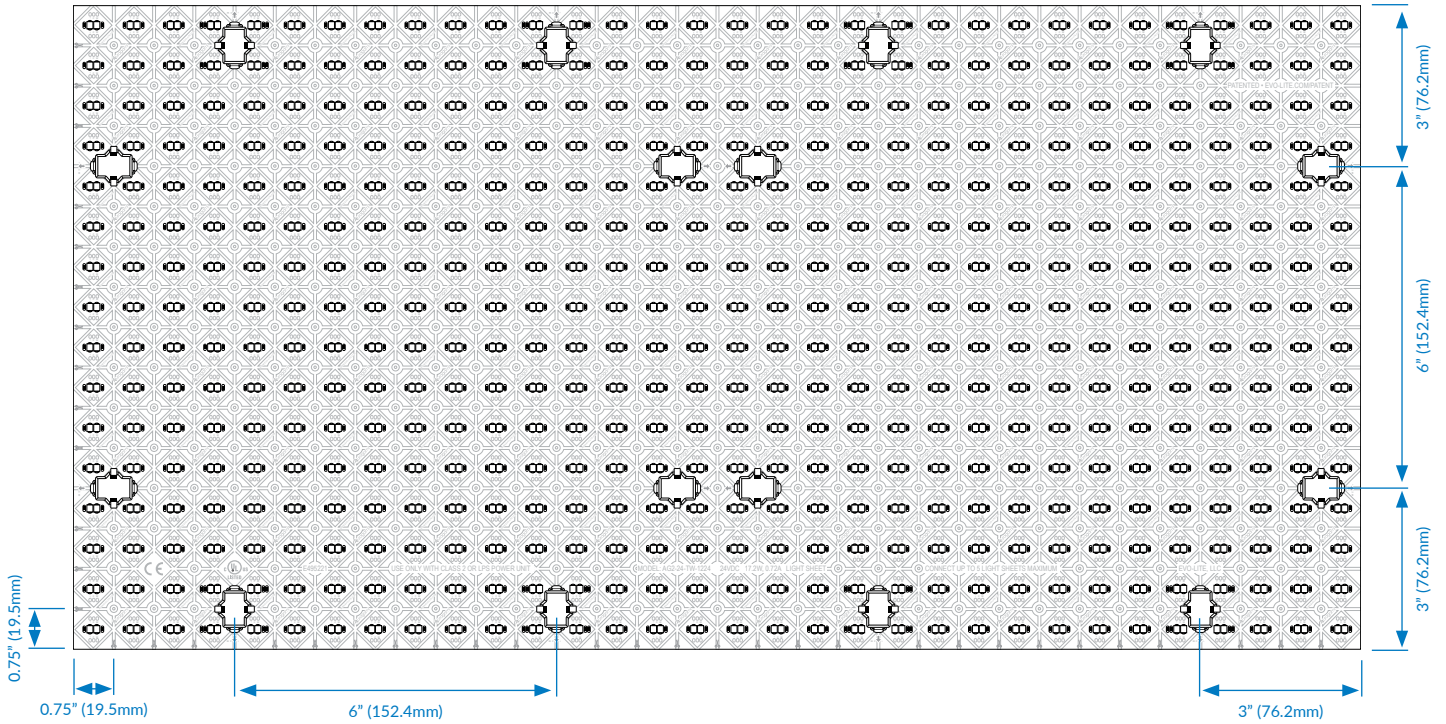
Use Class 2 power supplies with a maximum power output of 96W (per channel/circuit) to retain UL Class 2 Listing compliance. Best practices include allowing headroom for power supply longevity.

PRODUCT WIRING & CONTROL ADVISORY

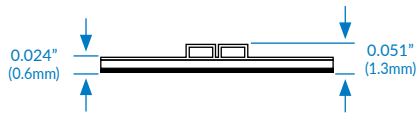
1. The light sheet's integrated connection blocks have a 4A capacity. Do not exceed the load capacity of these connection blocks in any configuration.
2. Our tunable white products utilize separate warm and cool white channels for color mixing. 3rd party controls must account for proportional balancing of the two channels. Example: if warm white = 100% ON then cool white = OFF. If the warm white channel is 25% ON, then the cool white channel can be less than or equal to 75% ON.

COMPLETE YOUR SYSTEM: POWER INPUT KIT SOLD SEPARATELY: AG2-TW-PIK

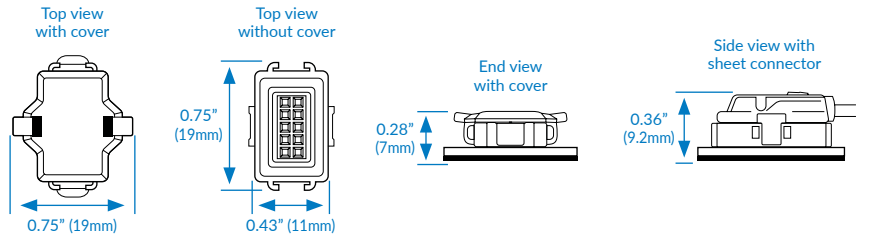
AG2 TUNABLE WHITE LIGHT SHEET (INCLUDED)



LIGHT SHEET & LED HEIGHT

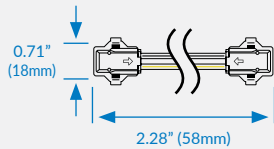


IP67 TERMINAL DIMENSIONS

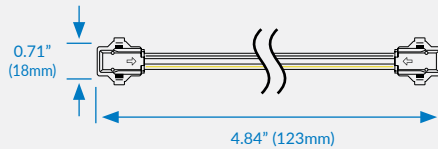


ACCESSORY PACK (INCLUDED)

Short Sheet To Sheet Connector (Qty. 2)

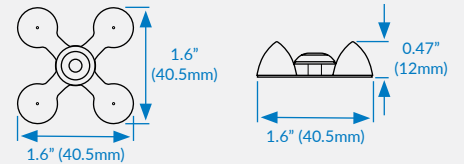


Long Sheet To Sheet Connector (Qty. 2)



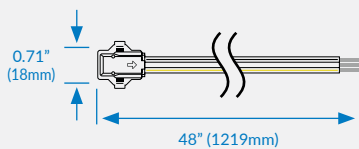
BUMPER PACK (SOLD SEPARATELY)

Quad Bumpers (Qty. 8)

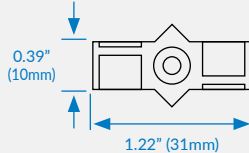


POWER INPUT KIT (SOLD SEPARATELY)

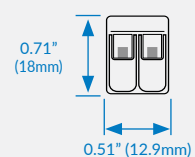
Power Input Cable (Qty. 1)



Cable Clips (Qty. 4)



Wago Connectors (Qty. 3)

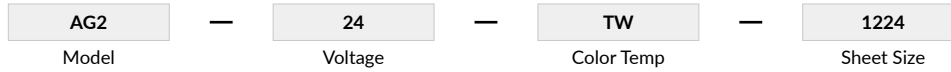


ORDERING INFORMATION

TUNABLE 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



TUNABLE WHITE ACCESSORIES (SOLD SEPARATELY)

ITEM	PART NUMBER	DESCRIPTION
Tunable White Power Input Kit <i>(Required)</i>	AG2-TW-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.
Short Sheet To Sheet Connectors	AG2-24-TW-SCP	(4) Additional Tunable White Short Sheet To Sheet Connectors.
Long Sheet To Sheet Connectors	AG2-24-TW-LCP	(4) Additional Tunable White long Sheet To Sheet Connectors.
Light Sheet Bumpers	AG2-075-047-QSB-P08	(8) Additional Light Sheet Quad Bumpers for single color and tunable white light sheets.
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

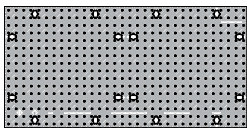
SUGGESTED POWER OPTIONS (We stock a variety of the most popular power supplies (not shown below). Let us know if you have a preference.)

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.

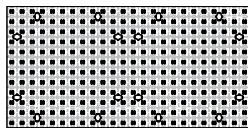
SUGGESTED CONTROL OPTIONS

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.

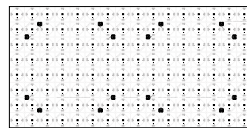
ALSO AVAILABLE FROM EVO-LITE



SINGLE COLOR WHITE
2700K, 3000K, 3500K,
4000K, 5000K



RGB + WHITE
Billions of colors + dedicated
5000K white diodes.



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