



Auragami[®]

FLEXIBLE LIGHT SHEET **GEN2**

PRODUCT OVERVIEW



evo-life[®]
ADVANCED LUMINOUS SOLUTIONS

LIGHT SHEETS EVOLVED

The second generation of Auragami (AG2) debuts as a testament to the power of imagination, engineering, and determination. We have harnessed years of research, enriched by the wisdom of customer insights and validated by the rigors of real-world testing, to craft a masterpiece that propels the light sheet category to unprecedented heights.

Auragami Gen 2 is more than a product; it is the embodiment of our unwavering commitment to pushing boundaries and creating the extraordinary. Explore the pages ahead to learn about AG2, the pinnacle of light sheet technology.

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THE AG2 PRODUCT LINE



Single Color



Tunable White



RGB + White



Basic Single Color
(Optional 175° Lens)



Basic Tunable White



Basic RGB + White





IMPROVED CONNECTORS INNOVATION

Advanced connectors completely eliminate moisture ingress and resist corrosion for long, reliable performance in most environments.

NEW PROTECTIVE COATING INNOVATION

AG2's ultra-thick protective light sheet coating is the most robust coating ever introduced to the category.

PATENTED QUAD BUMPERS INNOVATION

Another category-first, our new AG2 Quad Bumpers were meticulously engineered to offer better protection, easier installations, and up to 4x more weight support.

EXTENDED TUNABLE RANGE INNOVATION

AG2 Tunable white now provides a greater range than ever with selectable tones from relaxing 1800K candlelight to focused 6500K bright white.

DOUBLE CUT-LINE PATH INNOVATION

The double cut line paths of AG2 make getting the perfect cut incredibly easy. Simply stay between the lines with a clean, straight cut for reliable results.

PREDRILLED MOUNTING HOLES INNOVATION

Predrilled holes make fastening the light sheet more straightforward and user-friendly.

EASY SQUARE FOOT DIMENSIONS

Gen 2 light sheets are available in 12" x 24" (2ft²), making it easy to match standard building dimensions or calculate the bill of materials.

NEW PERFORMANCE OPTIONS

Now available in two performance grades: standard (AG2) and basic (AG2B). Choose AG2 for everyday projects or AG2B as an economical alternative.

ADVANCED UL LISTING & CUSTOMIZATION

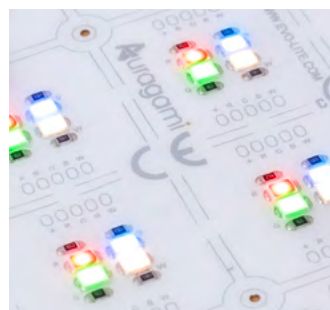
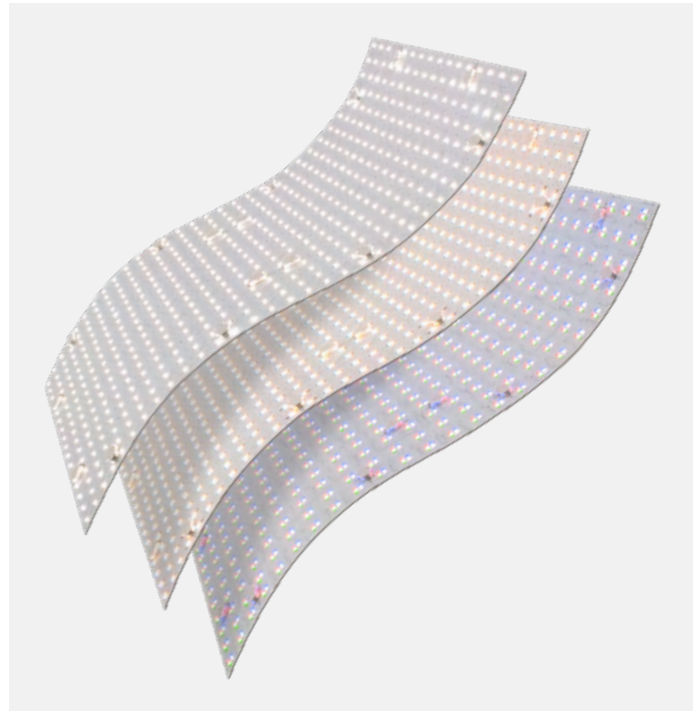
This fully-customizable flexible light sheet maintains its UL Listing, even after being cut. Sheets can be customized at the factory with no need for UL recertification.

CATEGORY-LEADING SHAPING

Cut the light sheet down to a single LED/LED group with AG2's advanced circuitry. Cut sheets horizontally, vertically, and diagonally.

LOW CURRENT CONSISTENCY

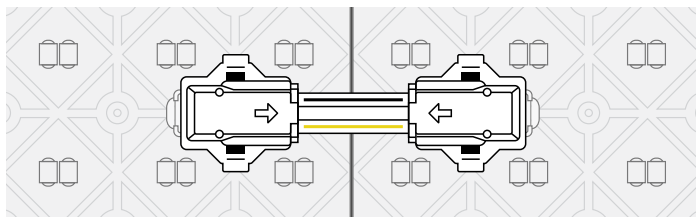
All LEDs to react equally to low current input – no stray LEDs when dimming to very low light levels.





REVOLUTIONARY NEW FEATURES

Our team has spent the last several years gathering feedback, testing new ideas, inventing better components, and realizing the next big thing in light sheet technology. The result is a variety of category-first innovations.



Upgraded Connection Terminals & Components

Auragami Gen 2 Standard sports an upgraded connection system that is waterproof and corrosion resistant per IP67 testing standards (see back page for IP Rating information). Sheet connectors snap into place for a more reliable, durable connection that won't come unplugged.

Superior Light Sheet Protective layer

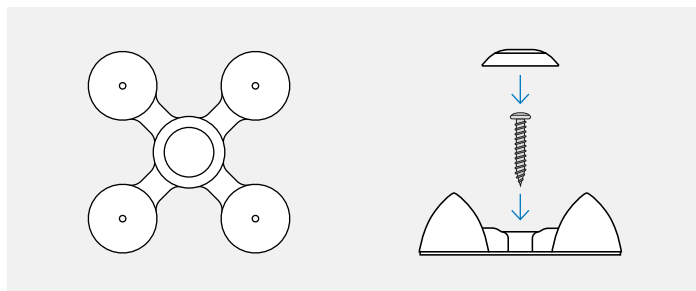
The standard light sheet now has an improved, ultra-thick protective coating. It is the most substantial coating ever applied to an LED light sheet. We upped the quality of this protective layer to provide a higher level of liquid and damage resistance while also being easier to clean.

New Double Cut Line Path

Replacing AG1's single cut line, the new double cut line path makes it easier than ever to shape the Auragami Gen 2 Light Sheet. Simply make a clean, straight cut using a sharp blade or scissors within the cut line path.

Slide-Friendly Quad Bumpers

The second generation of Auragami features the all new proprietary Quad Bumpers. These new bumpers can now be fastened to the light sheet and substrate. Simply insert a screw through the center hole and into the light sheet's marked mounting holes. This ensures that both the bumpers and light sheets don't move during the placement of the forward-facing material.



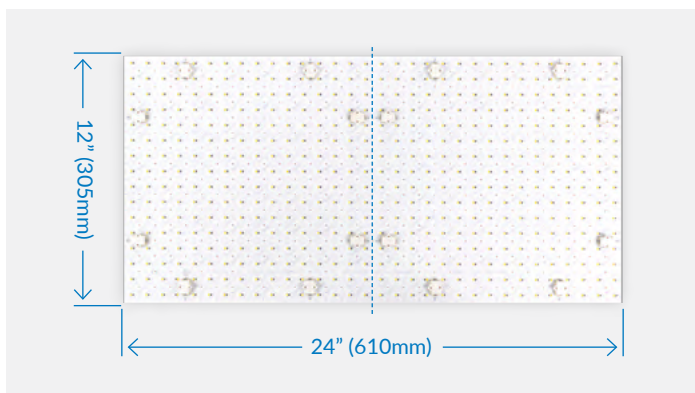
The new 4-branch design provides a more stable foundation for forward-facing materials. Quad Bumpers can support 4X as much weight (1600lbs) as the original bumpers. In addition, forward-facing materials can now be slid into place.

This new design makes it much safer and easier to position those heavy materials. For curved applications or other special circumstances, the Quad Bumpers may be snapped apart and used individually.

Predrilled Mounting Holes

AG2's predrilled mounting holes help with placement of mounting screws and also prevent potential sheet damage. Insert a fastener through the hole to secure the product.

AURAGAMI GEN 2 INSTALLATIONS



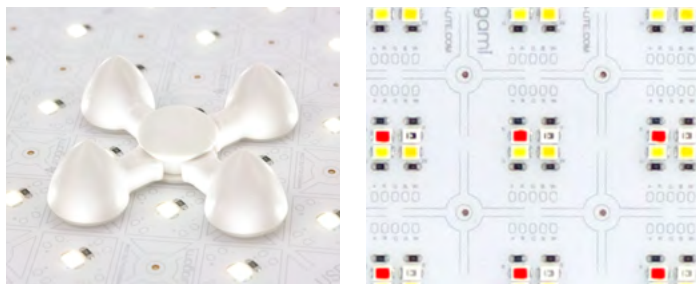
Easy Square Foot Dimensions

The updated 12" x 24" size makes fitting areas with standard North American building material dimensions much easier. Additionally, half sheets measure 12"x12" and now include connector placement around the entire square. Cutting increments measure 3/4" (AG2 SC/TW), 1.0" (AG2 RGBW), or 1.5" (AG2 Basic) – which further eases the planning and laying out of the light sheet system. AG2 can now cover up to 10ft² in one 24VDC circuit.

Mounting Light Sheets

Installations are faster and easier, while the margin for error is greatly minimized thanks to AG2's Quad Bumpers, predrilled light sheet holes, and 3M adhesive backing. In one motion, a user can insert a screw through the center of the Quad Bumper and into the predrilled light sheet mounting hole and substrate. This action will firmly secure both the light sheet and bumper from moving.

The predrilled holes simplify the mounting process by increasing accuracy and decreasing the chance for light sheet damage when fastening to a substrate.



Quad Bumpers & Forward-Facing Material Support

The wide base design of AG2 Quad Bumpers now allows for heavy forward-facing materials to be slid into position, greatly easing placement. When fastened, the bumpers won't move or roll during installation, making for a much-improved user-experience over the original bumper design.

Cutting Light Sheets

One of the most important features of LED light sheets is their ability to be cut to-size or shaped. Auragami is distinctly ahead of the pack, offering cutting increments down to a single LED/LED group.



To aide in shaping Auragami, we upgraded the cut lines. The new double-cut lines clearly mark where cuts can be safely made. Simply stay between the lines and make a clean, straight cut with a sharp blade or scissors.



Easy Sheet & Power Connections

The standard AG2 connectors and terminals have been completely revamped. Another category-first innovation, these components are superior in preventing corrosion and liquid ingress. Connect sheets and/or power by pushing the connectors into place for flawless performance throughout the lifetime of the product, no matter the environment.

Flexible & Cuttable Enhanced Protective Coating

AG2's advanced polyimide coating is not just another coating. We evolved our tooling to create something never seen before. The result is an ultra-thick IP67 coating that provides improved protection while still being easily cut and folded. It's simple to clean and provides superior liquid (when uncut), dust, and damage resistance.

TWO PERFORMANCE GRADES AVAILABLE

The Auragami Gen 2 product line features two performance options, AG2 Standard and AG2 Basic. The standard version offers all the latest advancements while the basic version was designed as a cost effective alternative. Both light sheet grades consume 17.2 watts and produce up to 1,720 lumens for a solid 100 lumens/watt efficiency.

AG2 – Standard Grade

Auragami standard (AG2) features an LED pitch of 0.75" (19mm) for single color and tunable white. RGBW has a slightly larger pitch of 1.00" (25.4mm). The tight LED pitch is easily diffused for a hot-spot free final result. Standard grade features an IP67 rating on the sheet, connectors, and terminals for comprehensive liquid and dust resistance. AG2 is available in 2700K, 3000K, 3500K, 4000K, 5000K, 1800–6500K extended range tunable white, and RGB + 5000K white.

AG2B – Basic Grade

The basic version (AG2B) was designed as a cost effective solution. As a result AG2B sheets have an LED pitch of 1.5" (38mm) and feature the legacy plug-in connectors and terminals. While the sheet has less LEDs than the standard version, we've engineered the light output to be the same. The IP20 rating is ideal for dry locations only. AG2B is available in 2700K, 3000K, 3500K, 4000K, 5000K, 1800–6500K tunable white, and RGB + 5000K white. We also offer a lensed single color white version that is ideal for mounting on flat surfaces. The wide 175° lens beam angle helps spread light for better diffusion, enabling more compact installations.

FACTORY CUSTOMIZATIONS

Custom AG2 light sheets are UL Listed and can save you time on your next project. Make your very own light sheet with customization options including: wattage, brightness, PCB material type, LED pitch, specific color temperatures/ranges for all sheet types, IP ratings, pre-mounted to quick install substrates, pre-cut light sheets with factory sealed edges, and voltage. Minimum order quantities may apply.

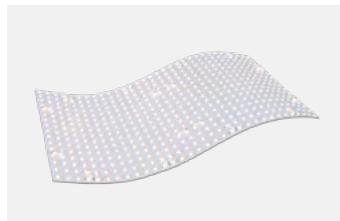
SAMPLE OPTIONS

AG2 samples are the perfect tool to learn about the product or test light your forward-facing material. Samples include a full 12" x 24" light sheet with simple in-line control or a convenient portable 5V mini sample with inline control. Affordable plug-in power source options are sold separately, helping to reduce costs and eliminate redundant components.

ORDERING INFORMATION View specification sheets for part numbers and complete product line options.



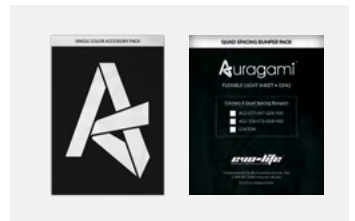
AG2 Single Color White
2700K, 3000K, 3500K,
4000K, 5000K



AG2 Tunable White
Extended range
1800K – 6500K



AG2 RGB + White
Billions of colors +
dedicated 5000K white



Accessories
Power Input Kit (required),
Quad Bumpers, and more



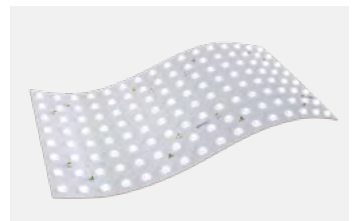
AG2B Single Color White
2700K, 3000K, 3500K,
4000K, 5000K



AG2B Tunable White
Extended range
1800K – 6500K



AG2B RGB + White
Billions of colors +
dedicated 5000K white



AG2B Lensed (175°)
2700K, 3000K, 3500K,
4000K, 5000K

*IP67: THE DEFINITION

The IP67 rating stands for the product's dust and liquid ingress rating. The #6 means that the product allows no ingress of dust particles. The #7 means the product is protected against 30 minutes of submersion at a depth of 1 meter (when uncut).

*IP67: THE LIMITATIONS

Testing for ingress protection is performed under laboratory conditions and limited, single instance time frames. Testing will never fully simulate every real world situation. All IP ratings are standard benchmarks established under and relevant to the tested metrics.

View more information on Ingress Protection Ratings at evo-lite.com/library#general



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