

Gauzy SPD and Automotive Applications

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SPD Technology

Outdoor grade, light and energy control technology blocking up to 99% of light transmission

Gauzy’s first-class LCG® (Light Control Glass) with SPD technology provides outdoor applications for the architecture and automotive industries. With SPD, glass becomes multi-functional and meets its full potential: adjustable shading with unobstructed views to the outside.

Key Features:

- Blocks 99% of light transmission when fully tinted
- Reduces glare and heat from direct light exposure
- Mitigates heating, cooling, and lighting costs
- Provides shade without fully blocking views
- Fast switching time for large glasses
- Improves energy ratings and efficiency

Specifications:

- Haze: min. 2.5%
- Switching Time: avg. 2 seconds
- Operating Frequency: 25, 32, 50 Hz
- Operating Temperature: -30° to 90° C
- Rolls or cut-to-fit films: up to 1.2m wide
- Operating Voltage: 100V AC Square Wave

Gauzy Controller

With a small form factor and footprint, the Gauzy SPD controller powers 10sqm of LCG® with WIFI/DMX/RE-485 compatibility for easy control with smart devices.

SPD Partner Training & Certification

Gauzy is offering select glass processors worldwide the opportunity to become our SPD Certified Partners. This onsite training program includes an SPD specific ATE, accessories, technology education, and lamination trials, ensuring partners are equipped to produce quality LCG® for end users.





Gauzy's new LCG® technology is ideal for exterior glass. With Gauzy SPD, visible light and overall temperature of a space can be customized and mitigated, providing sophisticated light control solutions.

Automotive:

Instantly reduce glare with SPD sunroofs, sun visors, and passenger windows. Support refined designs, while saving material costs and valuable in-vehicle space. Reduce discoloration of interiors by shading and protecting from prolonged sun exposure.

Marine, Aviation, Trains:

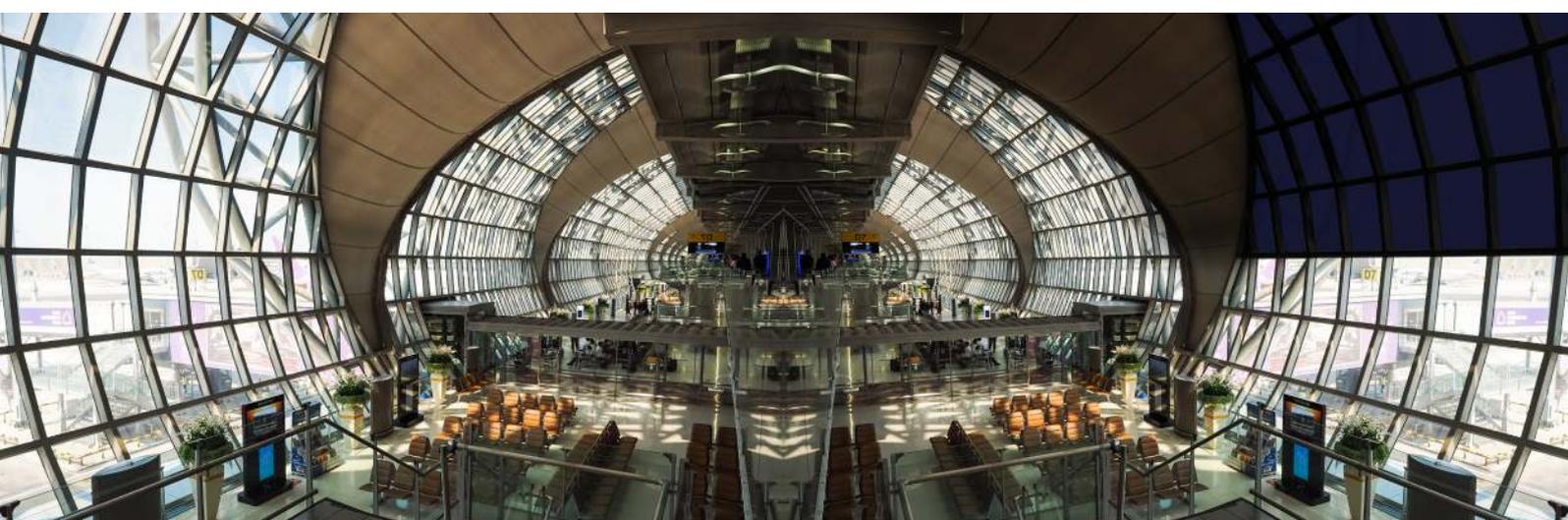
Sky facing windows in these sectors benefit from SPD's dimmable properties, allowing passengers to choose when and how they want to use natural light, while still being able to enjoy outside scenery.

Skylights:

Whether in malls, airports, museums, offices or homes, skylights open a space, and optimize natural sunlight to reduce costs while being environmentally conscious. SPD replaces complex shade systems that are hard to clean with high maintenance fees.

Facades:

As the most preferred building façade material, glass supports sleek designs, provides natural light and unobstructed views of surroundings. SPD eliminates harsh rays and glare during peak daytime hours, and reduces energy consumption, resulting in more efficient building with high end architectural designs.





LCG[®] for Automotive Applications

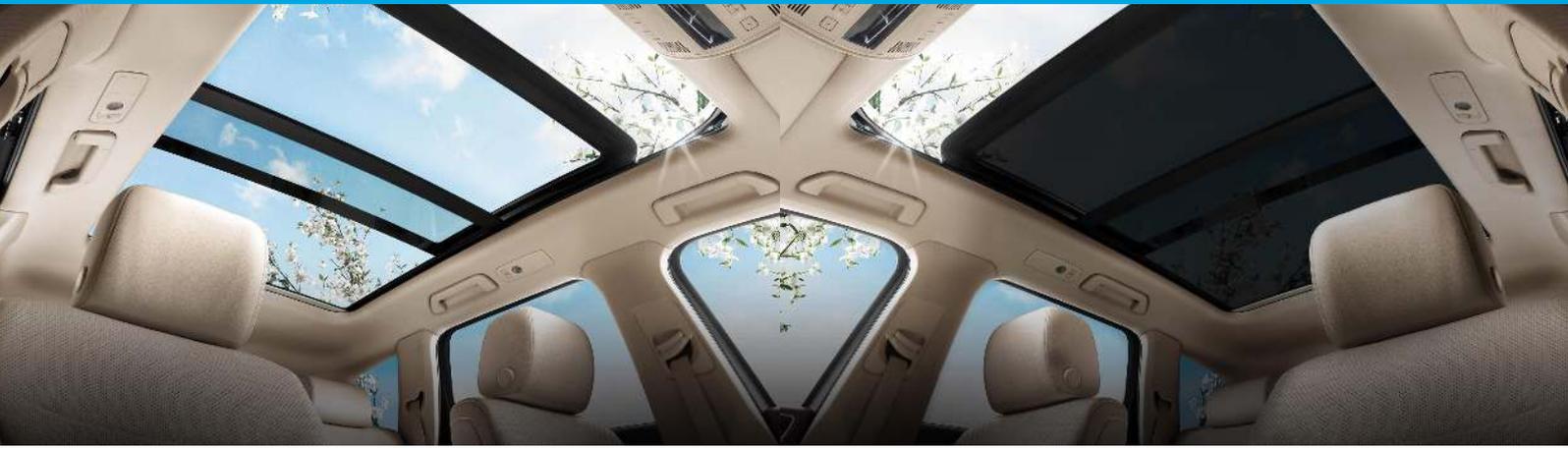
Gauzy offers OEM's and Tier 1 Suppliers a complete solution, providing cutting-edge light control technology utilizing Liquid Crystal and SPD Films. Our premium RetroFit or Laminated LCG[®], and custom controllers, enables glass to switch from transparent to various levels of opaque on demand, while controlling visible and infrared light.



Key Features:

- Available in White, Grey, Solar Control, Vizio, and Patterned
- Highest transparency: 2.5% avg. haze
- Power: < 5 W/m²
- Switching Time: 20ms
- VLT: Translucent Dark Grey – 3.5%; Clear - 63%
- Durable under extreme temperatures (-30°C - +90°C)
- Thinnest Films:
 - RetroFit with anti-scratch coating: 300μ
 - Laminated: 270μ
- Dedicated automotive grade controller with built-in redundancy that operates directly from the car's battery at 9-16 VDC

Additional technical specifications available upon request



Dynamic Applications

Polite Advertising

Dynamic location and time-based advertising in commercial vehicles, or car sharing programs featuring color rich HD images and video with 180° viewing angles. Custom controllers turn windows transparent when the engine is on or the vehicle is in motion.

In-Vehicle Entertainment

Instantly turn in-vehicle displays and screens into dynamic surfaces with the highest quality video. Interior LCG® can be easily implemented into head rests, partitions, dash displays, and more.

Privacy Partitions

Feature switchable glass in luxury or larger transport vehicles where privacy is desired between the driver and passengers. This unique upgrade adds a sophisticated touch that supports a lighter design than traditional partitions.

Sun Shading with Patterned LCG®

Pixel films can be used to replace sun visors on windshields, spider nets after pillar B, or to provide sectioned or total sun shading in all windows or panoramic sunroofs with IR blocking capabilities. Dimming controllers allow gradual control of glass opacity for a customized passenger experience.

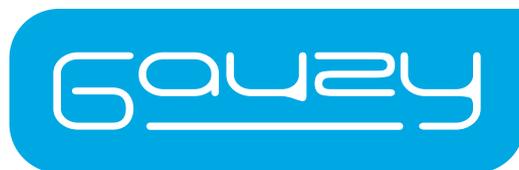
Presentation Cars

Gauzy can help in preparing your next demo, concept, or prototype car by providing raw films, or those already laminated or retrofitted into glass, Plexiglas, polycarbonate, or other materials all paired with complete control hardware systems.

Dealerships

Our products are featured in several types of projects, especially interior and architectural glass in buildings. Upgrade dealership showrooms, meeting spaces, offices, and façade glass for a tech savvy space to show any car class or type.





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