

SageGlass®

# OPTIMIZE DESIGN with SageGlass®





# WITH SAGEGLASS YOU'RE GETTING MORE THAN JUST OUR PRODUCT OR OUR TECHNOLOGY, YOU'RE GETTING OUR ENTIRE TEAM.

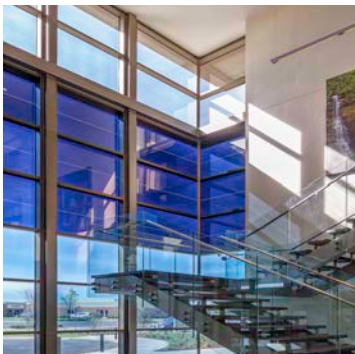
SageGlass gives you the ability to control natural light. We do it without blocking the view to the outdoors, without disruptive glare, drastic temperature extremes and without the clutter or expense of window treatments. That's the short answer to what you get, but the truth is, you'll be getting so much more. From the time you're just considering our product until after the doors of your project have been opened, our Architectural Solutions Team is at your disposal to ensure you're making the most of SageGlass' amazing capabilities. No matter the question we're here to help.

- Modeling glass performance
- Identifying optimum glazings and zone design
- Reviewing installation details with window, skylight and curtain wall manufacturers
- Helping design and specify wire routing through framing systems
- Assisting with selection and evaluation of framing systems
- Developing control system wiring diagrams and schematics
- Supporting the integration of SageGlass controls with building automation systems
- Assisting with the specification and design of control system configurations
- On-site training and telephone support for glazing and low-voltage contractors
- Building energy and daylight design consultation



# SAGEGLASS® GIVES YOU THE POWER TO CONTROL LIGHT ITSELF

Daylight is our planet's most basic, abundant and critical resource. It warms us, motivates us and makes life itself possible. Left to its own devices, however, too much daylight can be a challenge for a productive workplace. SageGlass is advanced dynamic glass that can be electronically tinted or cleared to optimize daylight and significantly reduce energy consumption without the use of blinds or shades. Its versatility and functionality goes beyond controlling sunlight and glare. Dynamic glass enables you to always maintain your view to the outdoors, while improving people's comfort and well-being.



## ZONING TO MAXIMIZE DAYLIGHT

Zoning is critical to optimizing daylighting within a space. SageGlass can be zoned in numerous configurations to meet your needs at all times of the day. Only SageGlass provides you with the ability to create variable tint zones within a single pane of electrochromic glass. We call this product SageGlass LightZone™. SageGlass LightZone provides much greater flexibility for managing neutral light, solar heat gain and glare. Employing a zoning strategy in your design allows specific areas to be tinted as required for heat and glare control, yet allows other

areas to remain in the clear state to provide more neutral daylight in the space. Zoning can be set up in any configuration desired: by room, by building orientation, or by rows and columns. Thoughtful zoning can help moderate seasonal and geographical extremes, resulting in a more comfortable and energy efficient environment. The design is limited only by your needs and imagination.

## TOTAL CONTROL

SageGlass control systems serve as the brains behind our award-winning glazing. The glass can be tinted or cleared manually by building occupants, directly by the control system or in conjunction with a building management system (BMS). Whether your project contains a few panes or 100,000 square feet of SageGlass, we can help you design the control

architecture that suits your requirements and addresses your specific challenges. For more information and details about SageGlass control systems, please visit the Product & Technical Literature section on our website and download our Control Systems brochure.

# GUIDELINES TO OPTIMIZE YOUR DESIGN

The use and design of SageGlass provides a myriad of options to the architect, and designers have often requested guidelines to help optimize the design in order to present the most efficient use of the glass. This design guide has been created to help provide those key aspects to consider when incorporating SageGlass in your project.



## MAXIMIZE THE USE OF COMMON SIZES

Before design begins, we recommend researching glass sizes. Our pricing directly relates to maximizing the use of common sizes. Therefore, as the number of common glass sizes increases and the number of unique glass sizes decreases, the more cost efficient SageGlass is for your project.

## MINIMIZE THE USE OF UNIQUE GLASS SIZES

Our state-of-the-art facility is equipped to produce any size or quantity of glass you want. We can produce glass up to 5' x 10' or as small as 10 inches. When possible, we recommend avoiding unique (one-off) panes of glass in your design. Can we produce them – absolutely. We just want to make sure they are an essential element of your design so you can weigh the cost trade-offs up-front.



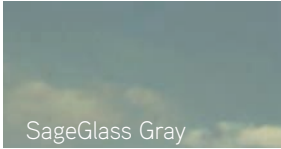
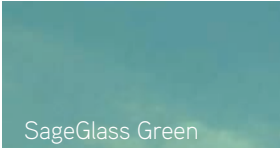
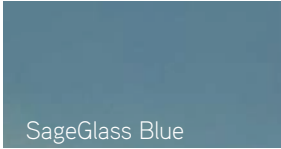
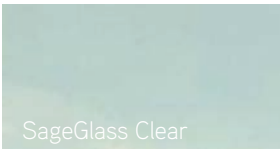
## EFFICIENT DESIGN WITH SHAPES

We embrace the use of shapes to enhance architectural design. In fact, we have been providing dynamic glass in triangles, trapezoids and parallelograms for years to enable design freedom and creativity. Optimal use of shapes represents up to 10% of the total number of SageGlass panes in your project design. For additional information regarding available shapes please visit our Product and Technical Literature library and download our Shapes Catalog.

## AMAZING, YES... COMPLICATED, NO.

As versatile and powerful as SageGlass is, it easily integrates into virtually any brand of window, skylight or curtain wall framing system. We have strong relationships with leading manufacturers and have prepared integration details for almost every type of framing system.

We also work with leading glass fabricators to provide you with unmatched color and quality options. Our SageGlass product is available in multiple colors including, but not limited to: clear, blue, green and gray. Just ask our team to learn more about our product offerings.



\*Request actual glass samples for color representation



## THE RESULTS WILL AMAZE YOU!

SageGlass has been installed in commercial buildings since 2003. We have hundreds of SageGlass installations in offices, schools, museums and healthcare facilities around the world and would like to talk to you about adding your next project to our portfolio. Visit [sageglass.com/portfolio](https://www.sageglass.com/portfolio) to see more SageGlass transformations.



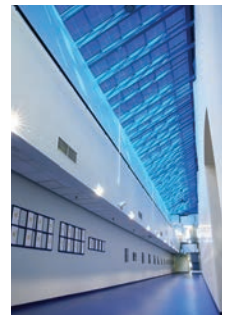
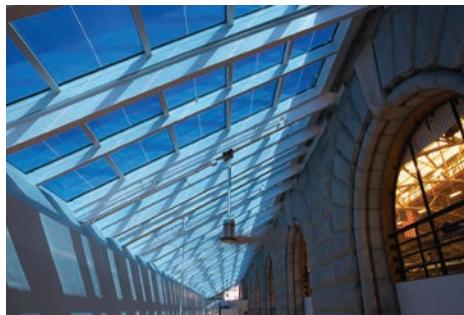
### KIMMEL CENTER FOR THE PERFORMING ARTS | PHILADELPHIA, PA

SageGlass installed in the Garden Terrace skylight transformed a sweltering indoor open terrace into an elegant, revenue-generating glass-enclosed space by providing heat and solar control.



### BUTLER COUNTY HEALTH CARE CENTER | DAVID CITY, NE

SageGlass tames the sun's glare and heat while preserving the views to a nearby park and golf course, creating a more comfortable healing environment and connection to the outdoors for patients and healthcare staff.



### U.S. NAVAL ACADEMY | ANNAPOLIS, MD

SageGlass improves energy efficiency and maximizes daylight in historic MacDonough Hall at the U.S. Naval Academy. When a metal roof needed replacement, there was an opportunity to bring daylight to a dreary interior.



## YOUR SUCCESS IS ESSENTIAL

We want to make sure your next project turns out exactly as planned and we'll do everything in our power to ensure smooth implementation and optimization with SageGlass. Helping you understand SageGlass and how to complement your project with dynamic glazing is part of our mission.

### Complementary SageGlass literature:

Architect Overview	MKT-023
Controls Brochure	MKT-061
Shapes Catalog	PRD-025
Product Guide	MKT-048

Additional product and technical literature is available at **[www.sageglass.com](http://www.sageglass.com)**.

SageGlass® is the pioneer of the world's smartest dynamic glass and is transforming the indoor experience for people by connecting the built and natural environments. Electronically tintable SageGlass tints or clears on demand to control sunlight and prevent heat and glare without the need for blinds or shades. SageGlass dramatically reduces energy demand and the need for HVAC by blocking up to 91 percent of solar heat. As part of Saint-Gobain, SageGlass is backed by more than 350 years of building science expertise that only the world leader in sustainable environments can provide.

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