



SMARTER LEARNING ENVIRONMENTS



BOWIE STATE UNIVERSITY
MARYLAND, USA

TINTABLE GLASS. BETTER STUDENTS.





LACK OF DAYLIGHT REDUCES STUDENT PERFORMANCE

Today's Colleges and Universities are focused on delivering an overall student experience that supports learning. The buildings in which students learn and study have a big impact on that experience. Unfortunately, spaces that provide inadequate daylight compromise performance in a variety of ways:

↓ 21%

slower learning rates in rooms with lower daylight levels

↓ 15%

lower math and logic test scores in classrooms with smaller windows

↓ 20 to 26%

slower math and reading test responses in less daylit classrooms

THE ROLE OF BUILDINGS IN MENTAL HEALTH

80% of college students report occasional/frequent stress in their daily lives

Many schools have responded to the stress epidemic by increasing their mental health services, which is excellent, but buildings play a vital role too. Specifically, offering views to nature has been shown to have a restorative effect, decreasing feelings of stress and anxiety. This restorative effect is limited when views are frequently blocked by blinds or shades.

YOUR BUILDINGS ARE YOUR AMBASSADORS

Your buildings tell prospective students and faculty a story about your institution: who you are and what you care about. Students want schools that exhibit an understanding of their needs and their values. That means they want school facilities that support their academic performance, enhance their mental health and well-being while minimizing their environmental impact.

CLEAR WHEN YOU WANT IT, DARK WHEN YOU NEED IT

SageGlass tints automatically in response to the sun. Exterior sensors along with intelligent, predictive algorithms dictate the tinting of the glass to ensure occupants stay comfortable year round without the need for blinds or shades.

DARK

Maximum available glare and heat control with minimal daylight admitted

MEDIUM

Stronger heat and glare protection with less daylight admitted

LIGHT

Moderate protection from glare and heat while still allowing daylight

CLEAR

Maximum sunlight and heat when no glare control is needed

THE OUTCOMES SMART GLASS DELIVERS

The use of SageGlass will help schools deliver the environment students and staff alike will value.



Improve thermal comfort by minimizing heat better than any conventional glass



Reduce uncomfortable glare without the need for mechanical shading solutions



Provide ample daylight and unobstructed outdoor views to improve the occupant experience



Reduce energy loads by an average of 20 percent and peak energy demand by up to 26 percent



Earn LEED points for sustainable designs



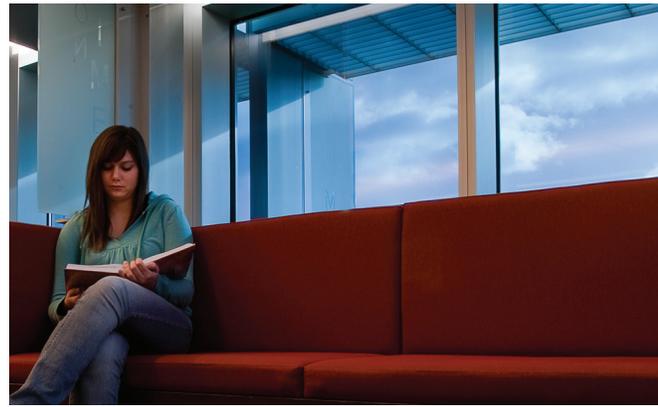
Enhance student performance



Support mental health



Showcase your commitment to innovation



HIGHER EDUCATION INSTITUTIONS THAT BENEFIT FROM SAGEGLASS

- Ball State University
- Princeton University
- University of Texas
- University of Wisconsin
- University of Minnesota
- University of New Mexico
- University of Colorado Boulder
- Colorado State University
- Clemson University
- Syracuse University
- United States Naval Academy
- Texas A&M University
- Loyola University
- Texas State University

REFERENCES

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- Heschong-Mahone Group, 2001 "Re-analysis report: Daylight in Schools. Fair Oaks, CA"
- www.stress.org/college-students
- R. Kaplan, S. Kaplan, R.L. Ryan, With People in Mind: Design and Management of Everyday Nature, Island Press, Washington, DC (1998)

WHY SAGEGLASS?

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.

To learn more about SageGlass visit:
sageglass.com/higher-education

Contact your local SageGlass representative at:
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SAINT-GOBAIN

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