

ADVANCE SUSTAINABILITY

Suntuitive® DynamicGlass



Earn LEED v4 points – see what your project and Suntuitive Dynamic Glass can achieve together.

Suntuitive Dynamic Glass helps projects achieve LEED v.4 certification, earning credits in seven different areas.

Masco World Headquarters—Livonia, MI

What makes Suntuitive Dynamic Glass more sustainable?



Windows are essential, but standard glass wastes energy and allows glare and heat gain. Suntuitive Dynamic Glass offers a more sustainable solution. Suntuitive Dynamic Glass is the world's leading sun-responsive dynamic glass product. Thermochromic technology allows the glass to tint automatically and dynamically in response to heat from direct sunlight.



Suntuitive blocks up to 90% of solar energy before it gets inside the building. The result is a thermally and visually comfortable space that occupants can enjoy in any weather while maintaining exterior views. Used strategically, Suntuitive Dynamic Glass allows designers to take full advantage of natural light without compromise.



Suntuitive Dynamic Glass blocks up to 99% of harmful UV light. This benefits occupants behind the glass, keeping them safe from harmful UV exposure and also protects flooring and furniture from fading.

Our incredible thermochromic technology allows Suntuitive to do all this without relying on external power other than direct sunlight. There are no wires and no controls. Only unobstructed views, optimal daylighting, and comfort for everyone behind the glass.



Advance your LEED category with Suntuitive Dynamic Glass

Suntuitive Dynamic Glass helps your project to be more sustainable and earn LEEDv4 credits in the following categories:



INDOOR ENVIRONMENTAL QUALITY

Thermal Comfort | 1 Credit

To promote occupants' productivity, comfort, and well-being by providing quality thermal comfort.

On gloomy or winter days, Suntuitive maximizes solar energy and light, allowing more sunshine in while blocking excess solar energy. On a hot summer day, Suntuitive mitigates glare and overheating as the glass adapts and automatically tints to block up to 90% of the sun's heat, always providing optimal comfort.

Daylight | 3 Credits

To connect building occupants with the outdoors, reinforce circadian rhythms, and reduce the use of electrical lighting by introducing daylight into the space.

Suntuitive is the only dynamic glass that works with sunlight to provide consistent daylighting throughout the day.

Quality Views | 1 Credit

To give building occupants a connection to the natural outdoor environment by providing quality views.

Suntuitive reduces the need for blinds or shading devices to establish direct sight lines to the outdoors without compromising energy-efficiency or occupant comfort.

Acoustic Performance | 1 Credit

To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design.

Through its laminated IG design, Suntuitive Dynamic Glass offers lower noise levels for those behind the glass.

Interior Lighting | 2 Credits

To promote occupants' productivity, comfort, and well-being by providing high-quality lighting.

Automatically adjusting dynamic glass optimizes daylighting and contributes to daylight autonomy in spaces behind the glass.



INNOVATION

Building Innovation | 5 Credits

To encourage projects to achieve exceptional or innovative performance.

Suntuitive Dynamic Glass allows building designers to improve the comfort and well-being of occupants while managing daylight, glare, thermal comfort, and energy use. The world's only truly smart dynamic glass, Suntuitive automatically responds to heat from direct sunlight and adapts by tinting in direct proportion to the sun's heat without the need for remote or manual control.

Self-tinting glass reduces the need for blinds and shading devices, and building occupants can maintain comfort sitting behind the glass.



ENERGY & ATMOSPHERE

Optimize Energy Performance | 18 Credits

To achieve increasing levels of energy performance beyond the prerequisite standard to reduce environmental and economic harms associated with excessive energy use.

By automatically adapting to heat from the sunlight, Suntuitive Dynamic Glass reduces heat loads in winter and cooling loads in summer. Compared to other solar control systems it also reduces the need for artificial lighting by preserving daylight autonomy, even further away from the windows. It is a passive technology that requires no wiring or electrical input in order to function.

Environmental and Wellness Benefits of Suntuitive Dynamic Glass				
Suntuitive Advantage	Well-Being	Conservation	Resource Protection	Financial Impact
Reduced heat & glare	Thermal and visual comfort	Estimated energy savings up to 43%*	Reduction in energy usage protects material resources	Energy cost savings, higher productivity, less absenteeism, lower medical costs, increased retail sales
Blocks harmful UV light	Protects occupants skin and eyes from UV light	Fading protection for interior furnishing, flooring, etc.	Conserve resources with less frequent replacement of interior materials	Lower medical costs, reduced spending on replacement materials
Reduced need for shading devices	Occupants retain connection to the outdoors	Less energy used for manufacturing shading devices	Fewer resources used for fabrication and packaging	Less cost of replacement/ cleaning
Reduced heat load	Less energy consumption means less pollution through energy production	Reduces the amount of energy needed to maintain optimal comfort	Smaller HVAC systems preserve natural resources	Lower CAPEX, lower OPEX
Solar controlled tinting level	Consistent daylighting in sync with circadian rhythms	Preserves natural daylighting autonomy**, less need for artificial lighting	Reduced energy usage for artificial lights protects resources	Energy cost savings with reduced need for artificial lighting

*Lawrence Berkley National Lab

** ILIK, University of Stuttgart



Let's Start a Conversation

Suntuitive Dynamic Glass is the world's leading sun-responsive dynamic glass product and is backed by experience with over 350 installations worldwide. Our thermochromic technology works with nature as it uses the sun's energy to automatically tint and mitigate heat and glare.

Suntuitive is a member of the U.S. Green Building Council.

To learn more about LEED certification or to see how Suntuitive Dynamic Glass fits into your project please reach out to us.

Let's start a conversation.

Let's start making the world a more sustainable place.

Let's start with Suntuitive Dynamic Glass.

Are you ready to let the light in?

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