



HALIO[®]

The World's Most Advanced
Smart-Tinting Glass for
Windows, Walls, & Skylights.

Halio looks just like natural glass
and then the magic happens.

Halio smart-tinting glass magically tints to a neutral cool gray when the sun gets a little too hot or a little too bright. The first and only smart glass that's responsive and looks natural at the same time.



Fastest-tinting electrochromic
glass, bar none.

Halio's tinting speeds are unrivaled—10 times faster than other electrochromic window options. Halio begins responding within 15 seconds to provide immediate relief from glare and solar heat—achieving the darkest tint level within 3 minutes. Fast tinting combined with fast clearing is the only way to truly keep pace with fluctuating weather.

Windows in sync with technology.

Imagine windows and skylights that tint and clear depending on the sun's brightness. Tinting can be fully automated or manually controlled with a mobile app, desktop app, wall-mounted tint selectors, and voice assistants. The Halio Cloud system was designed to co-exist with best-in-class technologies. With its secure API, Halio's capabilities can be extended—no need to worry about obsolescence. Halio windows are ready for anything the future might bring.



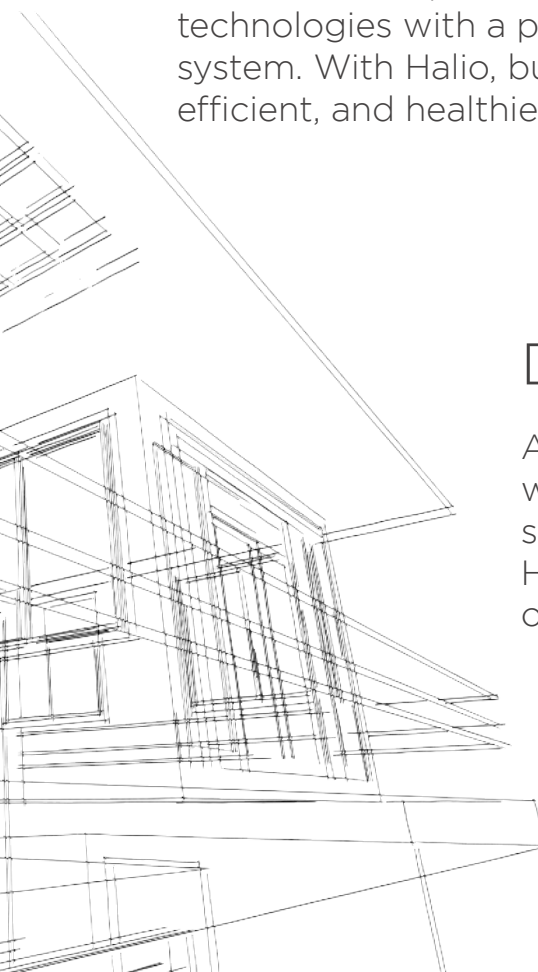
Better for you, better for the environment.

Halio is the best thing to happen to windows since, well, ever. Halio has no equal. It combines the most advanced electrochromic technologies with a powerful, secure, easy-to-integrate cloud-based system. With Halio, buildings and homes are greener, more energy-efficient, and healthier.



Design without restraint.

Architects, designers, and building owners now have a way to manage natural light so they can create amazing spaces that become excellent places to live and work. Halio can be configured to work with just about any type of glass to meet your performance goals.



Performance Overview

	Halio ¹		Halio Black ²		High Performance Glazing ³
	Clear	Tinted	Clear	Tinted	
Visible Light Transmission (VLT)	63%	2%	52%	0.1%	62%
Solar Heat Gain Coefficient (SHGC)	0.49	0.1	0.39	0.09	0.28
U-Factor	0.28		0.28		0.24
UV Transmission	<0.1%		<0.1%		15%
Reflectance Outside	15%	6%	18%	6%	14%
Reflectance Inside	17%	13%	20%	12%	13%
Sound Transmission Class (STC)	42		42		35
Response Time	≤ 15 seconds		≤ 15 seconds		—
Switching Time	≤ 3 minutes		≤ 3 minutes		—
Tint Color(s)	Cool Gray		Cool Gray		—
Number of Tint Levels	Unlimited		Unlimited		—
Privacy	No		Yes		No
Blackout	No		No		—
ASTM E2141 Durability & Reliability Tested	Yes		Yes		N/A

1. Halio data based on a 1.125-inch thick IGU with 10mm spacer, 90% Argon filled gap, and Vitro Sungate 400 on low-iron for the interior pane
2. Halio Black data based on a 1.25-inch thick IGU with 10mm spacer, 90% Argon filled gap, and Vitro Sungate 400 on low-iron for the interior pane
3. High performance glazing data based on a 1-inch thick IGU with 12.7mm spacer, 90% Argon filled gap, and Energy Select 28 low-E coating on Surface #2

