HALIO®

Smart Glass

AIRPORTS

Contemporary airport architecture needs to be efficient and immerse the traveler with the world. Walls and ceilings of glass are a way to achieve this.

An airport is the start and end of your trip. It's a destination and part of the traveler's experience. Multi-level window walls are the norm, but the challenge is to maximize the daylight while managing glare and solar heat gain rather than block it out leaving a concourse in the dark.

With an unparalleled tint performance and natural color, HALIO is the solution for airports.

Solution

Electrochromic Device integrated into IGUs.

Sky Camera to sense daylight changes.

Tint Drivers to execute Tvis changes.

System Gateway for Cloud communications.

HALIO Cloud-based Intelligence and Control Dashboard.

Mobile Device and Tint Selector for local override control.

Operators

Operators benefit from HALIO Smart Glass:

- Lower energy costs by up to 20%.
- Reduced maintenance costs.
- Cleaner, healthier environment without blinds.
- 83% longer traveler dwell time boosting potential revenue.

Travelers and Employees

HALIO enhances the travel experience:

- Daylight is maximized throughout the day, not blocked and views are unobstructed while glare is eliminated.
- Solar Heat Gain is managed for a more comfortable environment lowering surface temperatures by 15°F.
- Occupants are 68% more likely to be very satisfied with a concourse environment.
- Employee absenteeism is noticeably reduced, and wellness is enhanced a 63% reduction in headaches, 56% reduction in drowsiness, and 51% reduction in eyestrain.

Distinguishing Features

Speed — Typical tint cycle is 30 seconds or less.

Color — As colorless as low-e when clear and cool gray when tinted.

Uniformity — Tints uniformly across a window or entire facades.

Granularity — Unlimited tint levels to optimize energy savings, maximize daylight, and minimize glare.

Architects

Architects choose HALIO to realize their project vision:

- Uncompromised use of daylight as an amenity.
- Maximize Window-to-Wall Ratio and help achieve Net Zero designs.
- Reduce upfront costs by eliminating exterior shades/interior blinds and downsizing HVAC.
- Wide selection of glass coatings from HALIO or Viracon.

halioinc.com

HALIO®

Control Your Daylight.