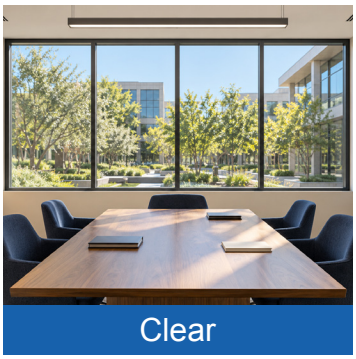
HUEE
DYNAMIC GLAZING

PRODUCT DATA SHEET

A dual-active dynamic glazing system combining solar-control tint and instant privacy, available as laminated glass for interior applications and insulating glass units for exterior applications.


Clear


Privacy


SunControl


Shade

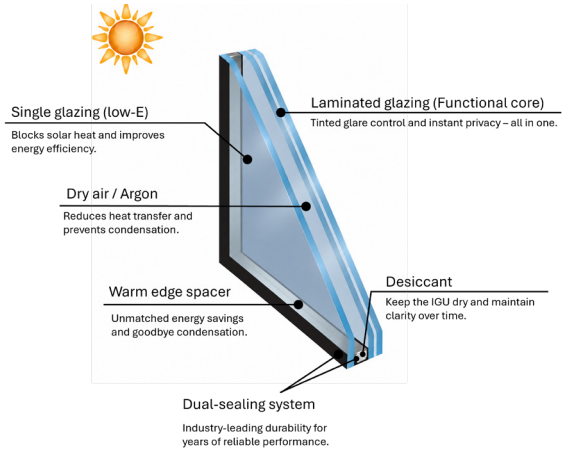
Four Operating States

Clear - Daylight and outdoor views.
Privacy - Visual privacy with diffuse light.
SunControl - Solar shading tint with an outdoor view.
Shade - Blackout for maximum light reduction.

Performance Highlights

Mode	Visible Light Transmittance	SHGC
Clear	36–66%	0.55
SunControl	1–2%	0.31
Privacy	0–4%	0.14
Shade	0%	0.11

Values apply to the Huee IGU test configuration.
Clear-state haze: approximately 4%. UV blocking: 99–100%.



Exterior IGU Construction

Assembly	Dynamic insulating glass unit; optional Low-E coating
Dynamic layers	Solar-control (SPD) and privacy (PDLC) films
Interlayer	0.76 mm EVA
Spacer	Flexible warm-edge spacer with desiccant
Cavity	½″ (12.7 mm) standard; ¼″ (6.35 mm) optional
Gas fill	Dry air standard; 90%+ argon optional

Applications

- Facades and curtain walls
- Windows and doors
- Architectural roof glazing
- Conference rooms and offices
- Healthcare and education
- Hospitality and residential
- Glare-sensitive environments
- Adaptive daylight spaces

Configurations and Dimensions

Available constructions	Interior laminated glass; exterior IGU
Glass options	Clear, low-iron, or body-tinted
Glass treatment	Annealed, heat-strengthened, or tempered
Glass thickness options	5/32 in., 3/16 in. (standard), or 1/4 in.
Overall IGU thickness	Nominal 1-3/16 in. (approximately 30.2 mm) with standard 1/2 in. cavity; range 28.1–33.4 mm
Maximum width	1.5 m (approximately 5 ft.)
Custom fabrication	Shapes, holes, and notches; project review required
Framing compatibility	Project review required

Electrical and Switching

Film operating voltage	60 V AC
System input supply	120 V AC to control unit
Power consumption	Approximately 5.7 W/m²
Switching time	Approximately 10 ms–15 s, depending on mode
Power-loss state	Shade (blackout)
Control-unit capacity	Up to 32 sq ft of connected glass per current controller

Control Options

- Optional four-button momentary dry-contact wall station.
- Connected panes on one controller operate together.
- Compatible BMS integration through momentary isolated dry-contact commands; no status feedback.

Installation Coordination

- Coordinate controller locations, power supply, and concealed wiring before glazing installation.
- Each pane requires four conductors: two for tint and two for privacy.
- Follow approved project wiring and installation instructions.

Warranty & Service Life

Warranty coverage is subject to written terms.

- **IGU Seal Integrity Warranty** 10 years
- **Electronics, controls, and dynamic films** 5 years
- **Service Life** 20 years