



Dynamic Liquid Crystal Glazing

MERCK

instant privacy and lightwellness

eyrise® i350 Invisible Privacy Glazing



eyrise.com

HIGH TRANSPARENCY TO INSTANT PRIVACY

DISCOVER NEW WAYS TO ENJOY YOUR SPACE

Maximize the natural light, sense of space and a comfortable environment that fosters creativity, productivity and wellbeing.

Fully transparent glass partitions provide visually appealing and very flexible workspaces.

Switch the glass into the privacy state and any workspace **instantly** transforms into a private meeting room, without loss of **natural daylight**.

eyrise® privacy glass resolves the conflicting and intermittent needs for a bright space with a visual connection to people and for **confidentiality**.





ONE SPACE, MULTIPLE FUNCTIONS

SOLVE THE CHALLENGING NEED FOR BOTH OPENNESS AND PRIVACY IN ANY GIVEN PLACE.

Public and commercial venues often need to provide confidential spaces for their teams, customers and visitors, out of sight and earshot of passers by.

Add elegant **VERSATILITY** to offices, shops, airports or conference centers by using glass partitions that transform into on-demand screens for sharing information or showcasing company branding.

Provide the **SECURITY** of instant confidential spaces at hospitals, hotels or board rooms, thanks to eyrise® i350 dynamic partitioning, with a premium appearance that makes people feel valued.

When **PRIVACY** and **HYGIENE** are critical, such as in clinical setting, at a spa or a fitness studio then modular privacy spaces can help you to achieve both. eyrise® glass is easy to clean to uphold hygiene standards, whilst simultaneously making people, whether they are patients or customers, feel comfortable, safe and secure.





EASY TO USE AND TO MAINTAIN

EASY TO INSTALL

eyrise® i350 glass fits into standard window framing ; it does not require specialized training, any dedicated tools nor equipment to install.

EASY TO CONTROL

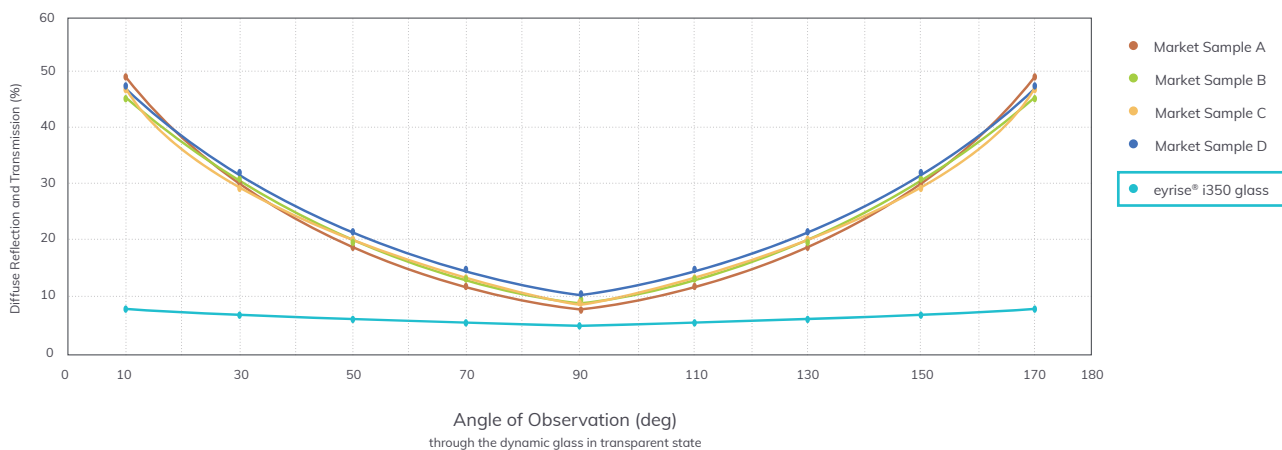
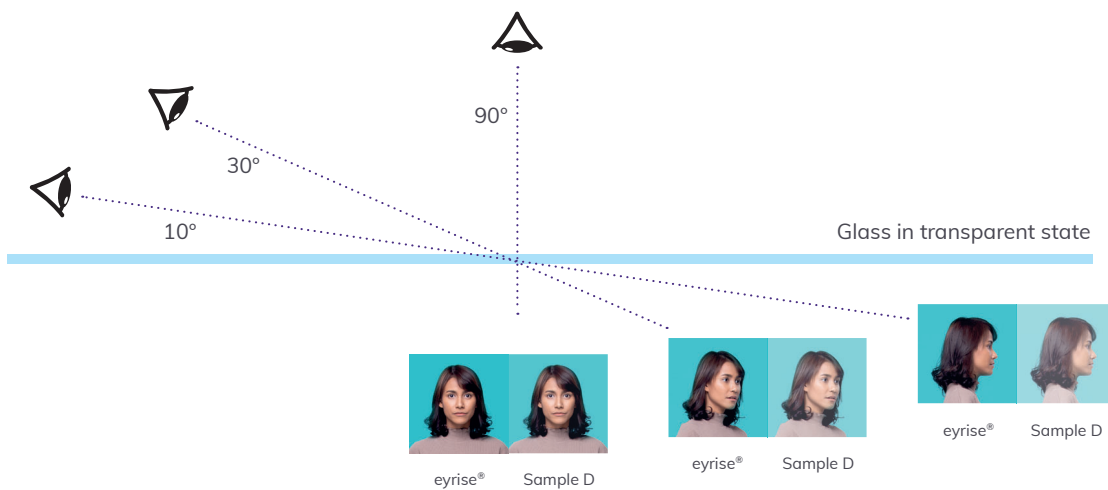
eyrise® i350 glass switch states in 1 second using a simple switch, a remote control, mobile device, or Building Management System (BMS).

EASY TO CLEAN AND MAINTAIN

eyrise® i350 solution does not need any additional mechanical parts, which reduces the risk of breakdown and technical support. It only requires usual glass cleaning to uphold hygiene standards and will not incur additional time nor cost for maintenance.

EYRISE® GLASS UNIQUE TRANSPARENCY IN ALL DIRECTIONS

The total transparency of eyrise® glass particularly in the oblique view, is unique in the smart glazing market (see graph). All other samples demonstrate a dramatic loss in transparency in the oblique view.



TECHNICAL INFORMATION

- **Glass sizes:**

min. 413 x 413 mm (16.2 x 16.2 in)

max. 1508 x 2904 mm (59.3 x 114.3 in)

- **Glass shapes:**

Rectangular

- **Switching speed:**

1 second for transition between fully transparent and fully privacy states

TWO VERSIONS AVAILABLE

eyrise® i350 Element

For frames supporting on 4 sides

- Thickness: 17 mm (0.67 in)

- Weight: 38 kg/m²

eyrise® i350 Edge

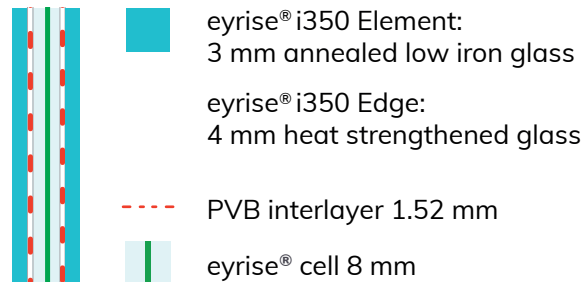
For frames supporting on 2 sides

- Thickness: 19 mm (0.75 in)

- Weight: 43 kg/m²

BUILD UP

eyrise® i350 glass is a laminated glass unit consisting of a single eyrise® cell embedded between two layers of PVB and cover sheet glass.



PERFORMANCE DATA

| | | |
|-------------------|---------------------|------------------|
| Privacy state | Light transmittance | 75% |
| | Privacy level | >96% |
| Transparent state | Light transmittance | 83% |
| | Transparency level | high (see graph) |

CERTIFICATIONS AND NORMS

CE Certification

EN 14449: 2005 Glass in building - Laminated glass and laminated safety glass

EN 12600: 2002 Glass in building. Pendulum test. Class: 1(B)1

IEC 61000: Electromagnetic compatibility EMC

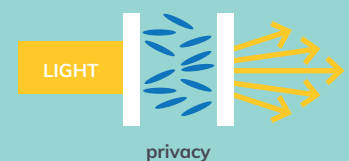
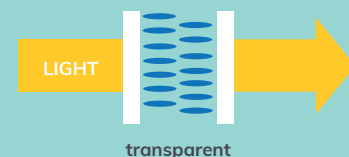
licrivation® technology, at the heart of eyrise® liquid crystal cell



licrivation® Privacy is a transparent solution of cholesteric liquid crystals. It is placed between two glass sheets that are coated with a transparent conductive film.

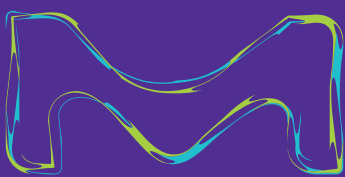
Prompted by low voltage, the liquid crystals direction shifts and moves from a random position to a well-organized orientation in a second.

This results in either a glass which is scattering the light thus providing a complete privacy state. Or a fully transparent glazing is obtained with no residual haze.

licrivation® technology in action



 Privacy liquid crystal molecules
 Glass



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