MEDICAL SHIELDING CLEARSHIELD™ SHIELDED WINDOWS

CLEARSHIELD SHIELDED WINDOWS

- **The Industry's Highest-visibility RF Window**
- **Functions as a Wall, Skylight, or Observation Window**
- **RF Shielding Screens**
- **6.44 mm (.25 in) Laminated Safety Glass Available**
- **Lightweight Aluminum**
- **Custom Sizes**
- **Option ClearShield S-Glass Privacy Glass**
  - **Easy to Clean and Maintain**
  - **Ultra Low Haze: Avg. 2.5%**
  - **Minimal Decay and Increase of Haze Over Time (Haze After 14 Yrs: Avg ~10%)**
  - **Operating Voltages: 35 - 70 VAC**
  - **Switching Times: 10mS**

ETS-Lindgren's ClearShield RF Shielded Windows are high-visibility, architectural windows that will expand the horizons of your MRI shielded enclosure. The patented ClearShield design offers the industry's best combination of performance and clarity. The individual window designs are made of extruded aluminum with a double layer of RF shielding screen. The double layer of safety glass provides superior visibility and enhanced acoustic properties.

The Clearshield Window Walls RF attenuating properties block RF interference while providing clear views of the surrounding landscape, allowing you to increase patient comfort and create a unique MRI experience. Whether you are thinking of a skylight, ClearShield window, or a full wall of windows, your creativity is unlimited. Safety glass is standard on both sides; however, frosted or other types of glass can be used.

ETS-Lindgren's ClearShield Observation Windows provide a combination of clear viewing with high RF attenuation levels. You can see perfectly, yet the transmission of RF interference is attenuated to industry standards.

Product Features

High-Visibility RF Windows

ClearShield windows are the industrys highest-visibility RF windows and are available in spacious modular components. The windows RF shield screens have been acquired through the worlds finest manufacturing organization to provide optimum clarity. The 6.4 mm (.25 in) laminated safety glass can encase the shielding medium to prevent damage and dust which could accumulate.

Acoustic Performance

The design has an inherently great acoustic performance, achieving ratings of STC 40 in testing.

Superior Strength

The lightweight aluminum extrusion sections give the window superior strength.

Aesthetic Appeal

A powder coat finish gives an aesthetic appeal to the window and durability in the window configuration.

Applications

All ClearShield windows are suitable for MRI applications and meet all major OEM requirements. NOTE: RF windows are not exterior windows and require an exterior window in front of them if they are to be used for exterior views.

Technical Specifications

Physical		
Model	Maximum Size per Individual Window	Mullions
Observation Window	1.2 m x 2.4 m (4.0 ft x 8.0 ft)	2.86 cm (1.125 in)[1]
Window Wall	1.2 m x 1.5 m (4.0 ft x 5.0 ft)	7.62 cm (3.0 in)
Skylight	1.2 m x 1.5 m (4.0 ft x 5.0 ft)	7.62 cm (3.0 in)

[1] Only Required on Windows Greater than 183 cm (6.0 ft)

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Transparent

Semi-Opaque

Opaque

Options

Switchable Glass (S-Glass)

ETS-Lindgren's Clearshield Switchable Glass (S-Glass) provides customers with a privacy option for windows that can be incorporated directly to the glass eliminating the need for blinds or ancillary options for covering windows in order to provide privacy.

ClearShield S-Glass uses Liquid Crystal (LC) technology embedded in the window's glass providing customers with the ability to convert the glass from transparent to opaque with a simple switch. S-Glass provides customers with a dynamic privacy option for windows that can be incorporated directly to the glass eliminating the need for blinds or ancillary options for covering windows in order to provide privacy. Further, ETS-Lindgren's S-Glass includes a DMX controller providing the ability to set and change the level of opaqueness of the glass.

S-Glass is available on all ETS-Lindgren windows including all ClearShield windows and door windows.

Technical Specifications: S-Glass

Electrical	
DMX Controller	110/220 VAC Input, 35 70 VAC Output
Power Pack Dimming Module	110/277 VAC
Power Consumption	Avg. 3 W/m^2

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