
Eglass
ELECTRIFIED GLASS
Electric powered glass technologies by
GLAW
GROUP

The latest technologies for electronic glass control

The latest technologies and innovations in electric glass control, transparent solar control systems, transparent multimedia screens and transparent photovoltaic glass.

SMART GLASS - switchable privacy glass

Smart glass Smart film Dynamic smart glass

PDLC ;si PNLC

Dual smart glass - privacy and solar control

LED STAR Glass - glass with LED lights

Transparent LED SCREEN DISPLAY glass

Transparent LED DISPLAY GLASS Transparent LED flexible film Transparent LED fixed film

SOLAR PROTECTION GLASS

Electrochromic Glass Photochromic glass Electropolarized glass

Transparent Solar powered glass

Nano cloaking film - privacy film

Through these cutting-edge technologies in the modern glass market, we aim to bring together solutions that digitize glass – enhancing its thermal functionality while bringing it to life with the latest innovations, while offering the potential to generate profit.

SMART GLASS - Smart glass and film

The fastest way to privacy

e-Glass - Smart glass

glass that changes its appearance at the touch of a button

- Privacy at the touch of a button
- Instant control
- Low energy consumption
- Affordable prices
- Elegance through simplicity
- Operated via remote control, button or app



Smart railing with smart-glass





- Various delivery options
- Fully protected laminated liquid crystal PDLC glass
- Self adhesive film for retrofitting existing glass
- PDLC version: clear when powered
- PNLC version: opaque when powered

DINAMIC SMART GLASS - Dynamic smart glass

Smart glass with different shapes

e-Glass - Dynamic smart glass

Patterned, shaped and personalized smart glass

- Animated smart-glass shapes
- Fully or partially opaque elements
- Visual exclusivity
- Advertising potential
- Fully or partially frosting, with full benefits of standard smart glass





Dynamic smart glass – smart blinds







Advertising with dynamic glass







- Images that appear or disapnamipear completely or partially at the touch of a button
- Customized patterns
- Can be operated partially or totally

DUAL SMART GLASS - Privacy and solar control

Colored smart glass

e-Glass - Dual Smart glass

solar protection smart glass



- Same functionality as smart glass
- ....with additional solar protection
- Dark tint even in transparent state
- Dark color in opaque state



Power On



Power Off

- Over 70% heat rejection
- Glare reduction and energy savings

  Ideal for windows, curtain walls, or skylights
- Can be used successfully in automotive industry.

LED STAR GLASS

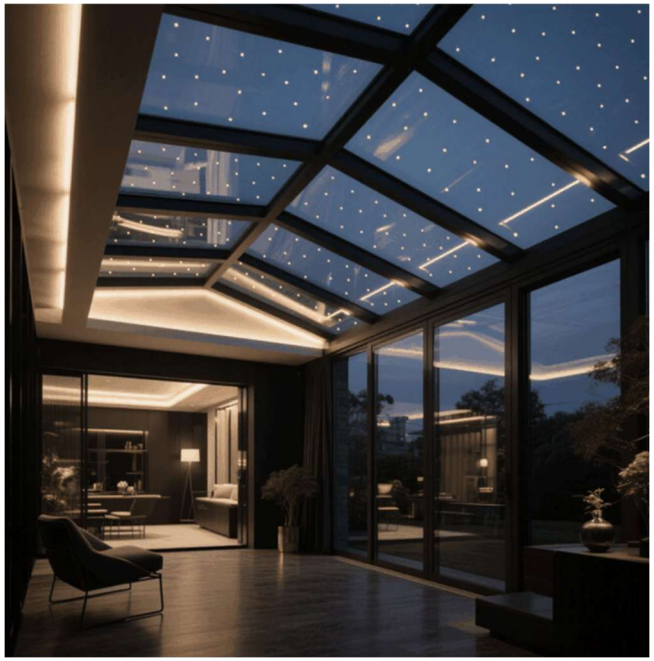
Light in glass

e-Glass - LED Star Glass

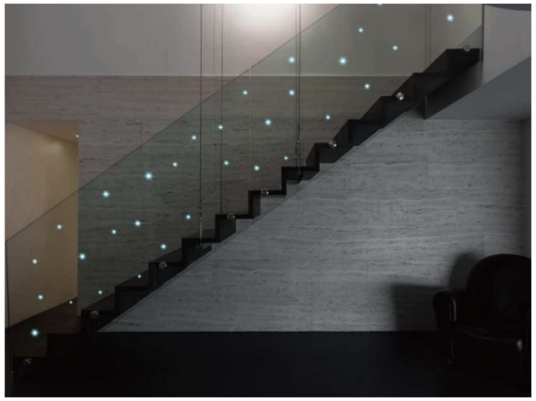
invisible LED lights in the glass

- Small LED light inside the glass
- Invisible wires, bright lights
- Tiny LEDs, invisible when turned off
- Transparent glass with LEDs on or off
- Unique ambient lighting









- LEDs are laminated between two glass panes
- Invisible wiring within the glass
- Can be installed in doors, railings, display cases, glass roofs
- Usable in the dark or daylight

TRANSPARENT LED SCREEN DISPLAY Glass

Media glass

e-Glass - Transparent LED SCREEN DISPLAY Glass

glass that turns into a transparent video screen

- Transparent video-media screen
- LEDs embedded in the glass
- Brightness and clarity
- The LEDs are visible from both sides of the glass
- Transparent glass with LEDs on or off







- Image clarity based on the number of the LEDs
- Media content fully programmable
- Lamination can be made with various glass types
- Suitable for indoor displays, facades and glass roofs
- Usable both indoor or outdoor applications.

TRANSPARENT LED SCREEN DISPLAY Film

Media film

e-Glass - Transparent LED SCREEN DISPLAY Film

Self adhesive film that becomes transparent screen

- Transparent digital content on any glass surface
- LEDs on flexible film
- Can be applied on any existing glass
- Both sides visible advertising
- Modular elements placed side-by-side







- Ideal for inside use, or on the inside of shop windows
- Interchangeable modular system
- The image clarity and number of LEDs are determined by the viewing distance
- Easy to install on any glass, including curved ones.

SOLAR PROTECTION - Smart electrochromic glass

Adjusting solar intensity with

e-Glass - Electrochromic Glass

Electrically changing optical properties of the glass

- Electrically modified color and solar transmittance
- Light and heat management for building
- Long-life film
- Stable performance even in high heat









- Glass transparency adjusted with voltage
- Switches from transparent to deep dark color
- Blocks radiation and glare
- Significantly reduces energy consumption
- Upgraded alternative to low-e glass

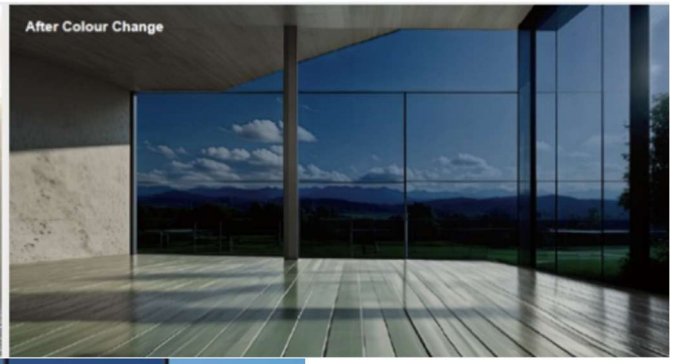
Self-adjusting glass

e-Glass - Photochromic Glass

Automatic tint adjusting glass

- Automatic sun protection
- Self adjusting glass interlayer film based on solar intensity
- Requires no electricity
- Requires no manual intervention
- Self tinting according to solar intensity











- Creates soft, pleasant, diffused light
- Simple automatic shading
- Passive light dimming
- 99% UV light blocking

SOLAR PROTECTION - Smart electropolarization glass

Sun protection at the touch of a button

e-Glass - Electropolarization Glass

Sun-blocking glass at the touch of a button

- Dynamic light management with voltage controlled glass polarization
- Sun protection via a remote control
- Energy saving via UV blocking
- Allowing light in days with no sunlight









- The electropolarization film can be laminated with various types of glass
- Maximum efficiency when combined with Low-E glass
- Commonly used for glass roofs, facades, doors.

Transparent SOLAR POWERED GLASS

Energy production

e-Glass - Solar Powered Glass

Electricity-generating photovoltaic glass

- It produces energy in every position
- Photovoltaic glass suitable for any type of integration
- Highly aesthetic and functional glass
- Transparent photovoltaic glass with almost invisible wires
- Requires no substructure, like traditional solar panels
- Meets Building Integrated Photovoltaics BIPV





- Laminated glass featuring photovoltaic interlayer film
- The energy production is lower than a traditional solar panel, but being transparent it produces energy at any lighting condition in every position
- Multifunctional glass, suitable for facades, glass skylights, roofing, railings, fences.
- Maximum panel dimensions 1600x1200 mm

NANO CLOAKING Film - Privacy film

Selective privacy with

e-Glass - Nano Cloaking Film

The film that protects your digital content and your screens

- Adhesive film that hides screen content
- No power needed
- Blocks visibility of screens
- Transparent, slightly tinted
- Ensures privacy of media content, allowing visibility for anything not digital







- A reliable and discreet way to protect privacy
- Non intrusive
- Hides the content of LCD/LED screens without obscuring anything else.

E GLASS Innovative solutions for glass

by GLAW Group

www.electrified-glass.com

SMART GLASS ENTRANCE SYSTEMS