



Overview

Non-adhesive Switchable Smart Film (also referred as Lamination switchable smart film) is mainly used for manufacturing switchable glass, it acts as the switchable function interlayer laminated inside of the electric privacy glass. It also can be applied to any existing glass surface with special glue. With 10 years of technology improvement with PDLC liquid crystal material and smart glass lamination process, it offers switchable glass excellent performance, clarity and consistency. Eb Glass supplied it to many glass plants for smart glass manufacturing. Max width: 1800mm (70.87"), max length: 50meters, Color: White, Light Grey, Dark Grey. It provide a wide selection for final electric privacy glass panel size to designers.

Tech Specs

- Input voltage: 36-240vac. 12v Dc
- Frequency: 50/60Hz
- Work voltage: 36-60vac
- Switching time: Less than 1 second
- Power consumption: 6watt/square meter
- Operation: On-Transparent/Off-opaque
- Visible Light Transmittance: 83%(On) / 57%(Off)
- Parellel light transmittance:78%(On) / 5%(Off)
- Hazz: 7%(On) / 90%(Off)
- Thickness: 0.38mm
- Visible angle: 120degree.
- Work temperature: -50/60 centigrade degree.
- Max roll size: 1.8*50meters

Benefits

- Easy installation
- Easy maintenance
- Instant privacy
- Thermal & Solar insulation
- UV block 99%
- Sound insulation
- Energy efficient
- Flexible bespoke manufacturing into any size and shape.
- Multiple control: Switch, dimmer, remote control, wifi app.
- Low energy consumption

Application

- Window & doors
- Bathroom
- Glass partitions
- Meeting room
- Projection screen
- Automotive
- Yacht Marine
- Furniture
- Glass wall.
- Skylights
- Sun Room
- Privacy & security glass
- Window blinds and shades