



Experts in the interior design world declared 2014 the 'year of the bathroom' due to the changing views on how important the space is viewed within a property. This is a fact that has not gone unnoticed by the hotel industry, with many large chains going through massive bathroom revamps this year.

Bathrooms are no longer seen as 'needs only' spaces and are being seen as tremendous selling points of any home or hotel. This can be seen in the increase in the number of bathroom pictures that are being used in marketing material. According to US magazine hotel industry magazine 'Lodging' - a current trend is to blur the division between bedroom and bathroom. This is typically achieved by removing all walls and replacing with large glass panels with little or no frame creating an uninterrupted view between spaces and allowing as much natural light as possible into the bathroom. This is nowhere more so than in the hotel industry, where the bathrooms typical position is in the room, away from all windows.

This new design idea creates a modern and spacious feel to any bathroom. However, using standard glass alone removes the one thing that everyone who uses a bathroom requires - privacy. The solution to this is ESG Switchable™ LCD Privacy glass. At the flick of a switch this glass can be turned from clear to opaque giving the user the privacy that they temporarily require. At ESG, we supply the largest panel sizes on the market, making it the ideal solution for complete wall replacements and our low voltage transformers make it safe to use ESG panels in wet rooms, for example as shower cubicles. With all our panels made in our own factory, we are able to offer unique solutions and features that help make ESG Switchable™ the market leader. By using tinted glass or coloured interlayers in our lamination process we are able to create switchable glass that colour matches any environment or helps to make a feature of the glass.

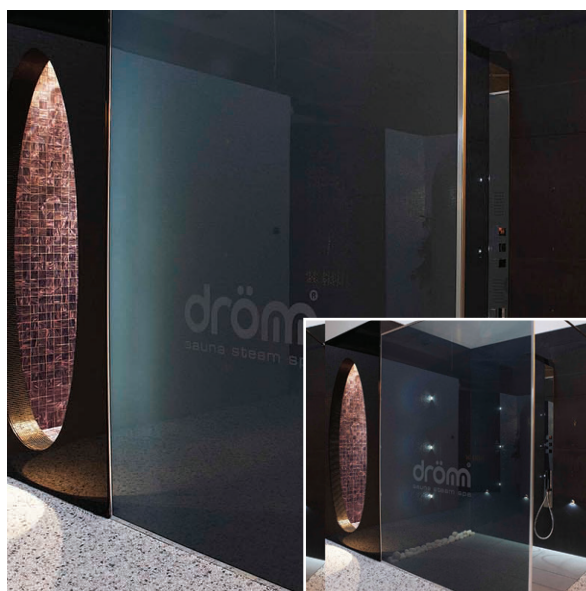
Bathroom Solutions



Our custom made low voltage transformers make it easy to wire into movement sensors removing the need for switches making ESG Switchable™ LCD privacy glass even safer to control in wet environments. All ESG panels can be coated with an anti-microbial coating (AMC) which reduces the build-up of bacteria and dirt on the glass, helping to maintain a clean and healthy environment.

Applications to using ESG Switchable™ in wet, damp environments are not just limited to bathrooms. Many swimming pools are turning to switchable glass for their viewing areas, the switchable glass allows them to conduct lessons in private and then revert back to general viewing when required. Using ESG Switchable™ glass with our anti-microbial coating creates an ideal replacement for germ harbouring curtains and doors in changing room cubicles. Other applications such as sauna and solarium doors are also suited to ESG Switchable™ glass. Concerns of safety in areas where there is the slim chance of someone slipping on a wet floor into the glass, can easily be addressed as all ESG Switchable™ is made up of toughened glass as standard. However, should the need arise, all our switchable glass can be manufactured together with any of our ESG Secure™ products for extra peace of mind. ESG Switchable™ is the most versatile switchable LCD privacy glass on the market today.

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Technical Specification

GLASS COLOUR:	Can be combined with colour interlayers or a wide range of tinted glass to meet any bespoke requirement.
ENVIRONMENTAL:	Storage -20 °C to 70 °C (-4 °F to 158 °F)
OPERATION:	0 °C – 70 °C (32 °F – 160 °F)
GLASS TYPE:	Low iron, annealed, heat strengthened, tempered (All laminated)
ELECTRICAL:	Driving voltage: 65 volts A.C.
THICKNESS:	Various from 10 mm to multi-layer
MAXIMUM SIZE:	Up to: 1,800mm x 3,500mm
SWITCHING TIME:	Approx. 100 milliseconds at room temperature
SHAPE:	Any shape including holes
LIFE:	Up to 25 Years with due care
WARRANTY:	5 years