



LEDGlas is a glass construction consisting of a combination of integrated light emitting diodes (LED) using transparent conductive track structures and a wireless supply of electricity. The power supply is provided through the transparent conductive coating of the LEDGlas and is invisible. Many decorative design possibilities with the light emitting diodes can be created to form various patterns, geometric designs, logos, words or even images; either statically or intermittently switched via a software interface.

LEDGlas panels can be used with embedded light emitting diodes as a laminated glass partition or incorporated into an insulating glass unit or simply suspended as an independent unit. The lighting effect can be programmed to automatically switch on and off. LEDGlas is available in thickness of 6mm and above, and can be in the form of annealed, heat-strengthened or tempered glass. It can also be customised specifically to individual requirements. LEDGlas has an extremely long life and a wide colour range in red, white, green and blue. LEDGlas is a certified safety glass.

Performance Information

Coloured LED can have a life span of up to 100,000 hours.

Operating life of LED is governed by normal degradation of semi-conductors.

Specifications

Production Sizes

Minimum Size (W/mm x H/mm)	300 x 300
Maximum Size (W/mm x H/mm)	2,500 x 5,180
Glass Thickness (mm)	6 to 22
Colours	White, Red, Green, Blue
Glazing	Monolithic, Laminated or Double-Glazed

Product Features

Design Versatility

LEDGlas is very versatile in design possibilities, virtually any design can be incorporated with the glass. Simply send us an image file and our LED experts will be able to help you to create a custom design.

Colours and Effects

LEDGlas is available in a wide range of colours which can be specially programmed to create unique lighting effects or patterns to create texture, colour shift and other unique visual effects.

Light Transmission Control

The amount of light passing through LEDGlas can be easily manipulated by adjusting the design and/or intensity of the LED to create the optimal visual effect for your environment.

Durability and Safety

LEDGlas is very durable with its long life span of up to 100,000 hours in normal use. When used as a laminated glass, it exhibits the characteristics of safety glass when it's broken: glass shards will adhere to the interlayer, thus reducing risk of injury from the sharp glass shards.

Acoustic Barrier

LEDGlas is an effective sound control product where the dampening performance of the interlayer will help keep unwanted noise outside while maintaining the quietness on the inside.

Uses and Applications

- Advertising and lighting industries
- Balustrades and railings
- Elevator cars
- Façades and wall claddings
- Furniture
- Residences
- Side panels and interior partitions
- Shopping malls
- Shops and windows
- Skylights, glass roofs, canopies and ceilings