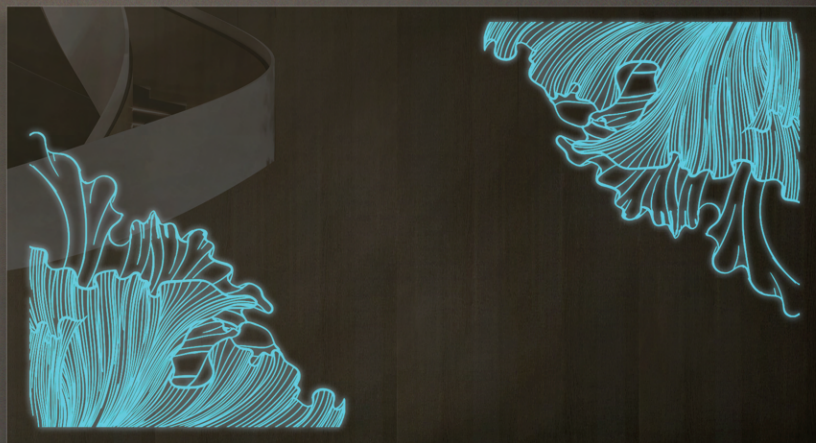


# LIGHT EMITTING SURFACE - L.E.S

An innovative bulb free lighting on glass surface.

LES surface lighting delivers a superior alternative to a conventional lightbox, making it ideal for commercial as well as residential.







# DESIGNED AND DEVELOPED IN SINGAPORE WITH THE SUPPORT OF INNOVATION GRANT FROM SINGAPORE GOVERNMENT

Glass maintenance friendly

Easily customisable to individual needs

Glare-free lighting

Warranted to work within an ambient temperature range  
of -20°C to 60°C

Enhanced sustainable energy saving

Quick and easy installation without the need of carpentry work

## LES PROPRIETARY CONTROLLER SPECIFICATION

Brightness	15 - 80CD
Voltage	60V - 120V
Frequency	200Hz - 1000Hz
Power	8W - 15 W/M2 (30% Coverage)
Current	≤ 1.2A/M2

Viewing Angle	180 Degree
Ambient temperature	-20°C to 60°C
Electromagnetic Radiation	Nil
UV, Heat, Strobe	Nil
Manufacturer's Warranty	10,000 hours

## LES OPTICAL DRIVER SPECIFICATION

Input Voltage	5V - 220V
Power	1 - 100W

## CERTIFICATION OF COMPLIANCE BY

ISTITUTO SERVIZI EUROPEI TECNOLOGICI

## PATENTED IN

China Japan Singapore Taiwan

## LES CANOPY

Provide UV Light Protection and ambient light

## LES PANEL

A bespoke façade panel or interior glass  
partition with energy-efficient features

## LES GLASS RAILING

Provide unobstructed view with light pattern  
motif

## LES MIRROR

Intelligent Mirror with integrated lighting with  
optional motion sensor and anti-fog features



TREND GLASS DESIGN PTE LTD