

# ILLUMAPANEL FR<sup>®</sup>

## DESIGNED TO WITHSTAND THE HEAT



**ILLUMAPANEL FR<sup>®</sup> IS A FIRE-RATED, ULTRA-SLIM LED LIGHT PANEL WHICH CAN BE FABRICATED TO ANY BESPOKE SIZE, SUITABLE FOR A VARIETY OF USES.**

Manufactured in the UK, the unique construction of ILLUMAPANEL FR<sup>®</sup> harnesses a patented process which creates an innovative fire certified lighting unit. The units feature an LED light sheet encapsulated in a stainless steel housing with a toughened laminated glass diffuser.

ILLUMAPANEL FR<sup>®</sup> can be manufactured to any bespoke size and shape up to a maximum of 3000mm x 1500mm. The standard panel depth is 23mm and typically weighs 48kg/m<sup>2</sup>.

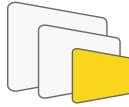
The light source is an LED light sheet available in a range of standard colour temperatures: 3000k, 3700k, 4100k, 5300k, 6000k, 6500k. RGB LEDs and full colour changing options are also available.

### **Suitable for**

- signage
- wall lighting
- escalator lighting
- poster illumination
- skirting lighting



# ILLUMAPANEL FR<sup>®</sup>



Item	Description
ILLUMAPANEL FR <sup>®</sup>	Fire Rated Luminaire
Casing	2mm grade 304 stainless steel
Diffuser	9.5mm specially formed IG265 glass
Lighting	LED sheet / panel
Max Size	3000mm x 1500mm. All bespoke sizes
Thickness	23mm
Weight	Typically 48kg/m <sup>2</sup>
Power Supply	AC/DC 12v/24v adaptor
Working Voltage	DC 12v/DC 24v
Input Voltage	AC 100-240v 50/60Hz
Luminous Efficacy	LED 120 lm/W
Colour Temperature	3000k, 3700k, 4100k, 5300k, 6000k, 6500k
Cabling	Low smoke and fume and halogen free
Fire Certification	B5 476 Part 7; BS 476 Part 6; BS 6853: Annex D.8.4
Lifetime	In excess of 50,000 hours (considerably longer when dimmed)
Warranty	5 years
Photometric Testing	BSEN 13032-4

ILLUMAPANEL<sup>®</sup> is manufactured in the UK exclusively by Evans Turner Finishes Ltd.

## Light Diffusion

The standard ILLUMAPANEL FR<sup>®</sup> has a front diffusing layer of toughened fire rated, laminated glass with an opal interlayer designed to maximise the output from the LED light sheet and provide an even distribution across the face of the panel. Other diffusion options are available, including a clear interlayer for back illumination of poster displays or a specific printed interlayer for signage etc

## Control

Remote power supplies (AC/DC 12v/24 Adaptors) are used which can incorporate a multi-protocol dimmer to convert ILLUMAPANEL FR<sup>®</sup> to a truly intelligent panel offering full LED DALI health monitoring capabilities.

## Installation

ILLUMAPANEL FR<sup>®</sup> are supplied as sealed cartridges manufactured to bespoke sizes to suit specific project requirements to minimise installation. They can also be supplied as a simple plug-and-play installation.

## Lifetime

The longevity of the LED light sheet within ILLUMAPANEL FR<sup>®</sup> is in excess of 50,000 hours (11 years at 12 hours a day) and this lifespan is greatly increased if the LEDs are used under dimming control.

## Maintenance

Once onsite and installed ILLUMAPANEL FR<sup>®</sup> is maintenance free.

## Energy Saving

The LED light sheet consumes up to 70% less power than T5 fluorescent lamps. Intelligent panel control and dimming offers considerable additional energy savings.

## Eco-Friendly

ILLUMAPANEL FR<sup>®</sup> contains no mercury or other hazardous materials. At the end of the life of the LEDs, the light sheet within the ILLUMAPANEL FR<sup>®</sup> can be replaced, enabling all other components to be re-used.

## Fire Certification

ILLUMAPANEL FR<sup>®</sup> is certified for the following:

- BS 476 Part 7 – Spread of flame
- BS 476 Part 6 – Fire propagation
- BS6853 Annex D.8.4 – Smoke emissions
- London Underground Approved Product Register (Registration Number 3771)

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