

Project – Vega, Kingsway Hove
Main Contractor – Denne Construction
Photography – Stig Evans

Glass – SP26 Cast Wired
Light – EL White & Blue Gels
Inverter – 12KND, 2200NB, 600N
Control – Kinetic Lighting System



The Kingsway Hove development by Denne Construction sees forty new sustainable and affordable homes delivered for the coastal town of Hove. For each Lumaglass™ installation, five gel colours were used on the central two panels to create varying shades of blue from the ground floor up. These blue lights are synchronised with the movement of the tide as the building faces the English Channel.

lumaglass™



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What is illuminated U-Profile glazing?

Lumaglass™ is a simple yet effective concept of self-supporting U-shaped glass channels and integrated electroluminescent or LED lighting fitted into a perimeter aluminium frame.

Where can I use Lumaglass™?
The fundamental simplicity and versatility of Lumaglass™ permits the designer to create exciting architectural effects that make imaginative use of internal illuminated partitions, creating a feeling of space, and define stunning external facades.

How is it illuminated?
Our patented system provides a choice of electroluminescence (EL) light tape - the world's longest, thinnest and most energy efficient lighting technology, or the latest in LED technologies, providing a variety of white colour temperatures and RGB colour changing ability.

- What are the benefits?**
- **World's Longest Light** - up to 7 metres long to fit glass channel lengths, providing continuous uninterrupted illuminated walls of glass.
 - **Colour Range** - LEDs provide for brighter white lights and colour changing control.
 - **Environmentally Friendly** - EL provides for no glare or light pollution.
 - **Practical Design Process** - Lumaglass™ is extremely versatile in its simplicity with a range of specification variants allowing, for example, creating illuminated organic shapes.
 - **Little or no Maintenance** - both Lumaglass™ lighting options provide for long

useful-life cycles.
• **Thermal Insulation** - illuminated glazing with excellent W/m2K values.

What sizes does Lumaglass™ come in?
Standard width is 262mm with 60mm deep flanges. Widths of 232mm and 331mm available and can be combined. Lengths up to 7M.

Does it have any acoustic properties?
In a double glazed arrangement, we can achieve 42dB level, suitable for separating meeting, board or conference rooms.

What insulation properties does it have?
U values of 1.8 W/m2 K can be achieved by incorporating a low-emissivity surface coating applied to the internal surface of the glass channel.
U-values of 1.4 W/ m2 K can be achieved by incorporating a translucent glass fibre insulation material that fills the space within the channel void.

How do I know what glass type to specify?
It depends on: • Your project and the architectural effect that you want to create. • The performance criteria for the glass. • What span is required. • What colour is required. • What surface finish is required. • What level of translucency / opaqueness is required.

How do I know what lighting option to specify?
It depends on: Your project and the architectural effect that you want to create. Internal partition or external facade application. Ambient light level, colour and colour control.

Can Lumaglass™ be installed

around doors?
Yes, however, there are critical opening sizes to consider - the channel glass cannot be notch, therefore full panels are laid out up to both door jambs and full panels between them over the door opening.

What is the minimum radius for curved installations?
1.45M for single glazed arrangements, and 2.0M for double glazed arrangements.

Can Lumaglass™ be cut to fit a slope?
For vertical installed systems, we can cut the glass channels and install to a rake at the cill, head or indeed both.

How is Lumaglass™ installed?
We require a structurally sound "prepared" opening to securely fix the perimeter aluminium frame.

How do you operate Lumaglass™?
You have the option of a simple light switch, timer, solar switch, wall or remote control dimming and DMX / DALI programmable control. It is also feasible to link the system to motion sensors, pressure pads or other control mechanisms.

We provide a complete design, supply, installation and aftercare service. For further information, demo or RIBA approved CPD;

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Cast Unwired

Also Available as 8 and 16 wired and Toughened



Cast Unwired Sandblasted

Also Available as 8 and 16 wired and Toughened



Clear Unwired

Also Available as 8 and 16 wired and Toughened



Clear Unwired Sandblasted

Also Available as 8 and 16 wired and Toughened



Cast Unwired Low Iron

Also Available as 8 wired and Toughened



Cast Unwired Low Iron Sandblasted

Also Available as 8 wired and Toughened



Wave Unwired



Wave Unwired Sandblasted



Macro Unwired



Macro Unwired Sandblasted



Slim Line Unwired



Slim Line Unwired Sandblasted

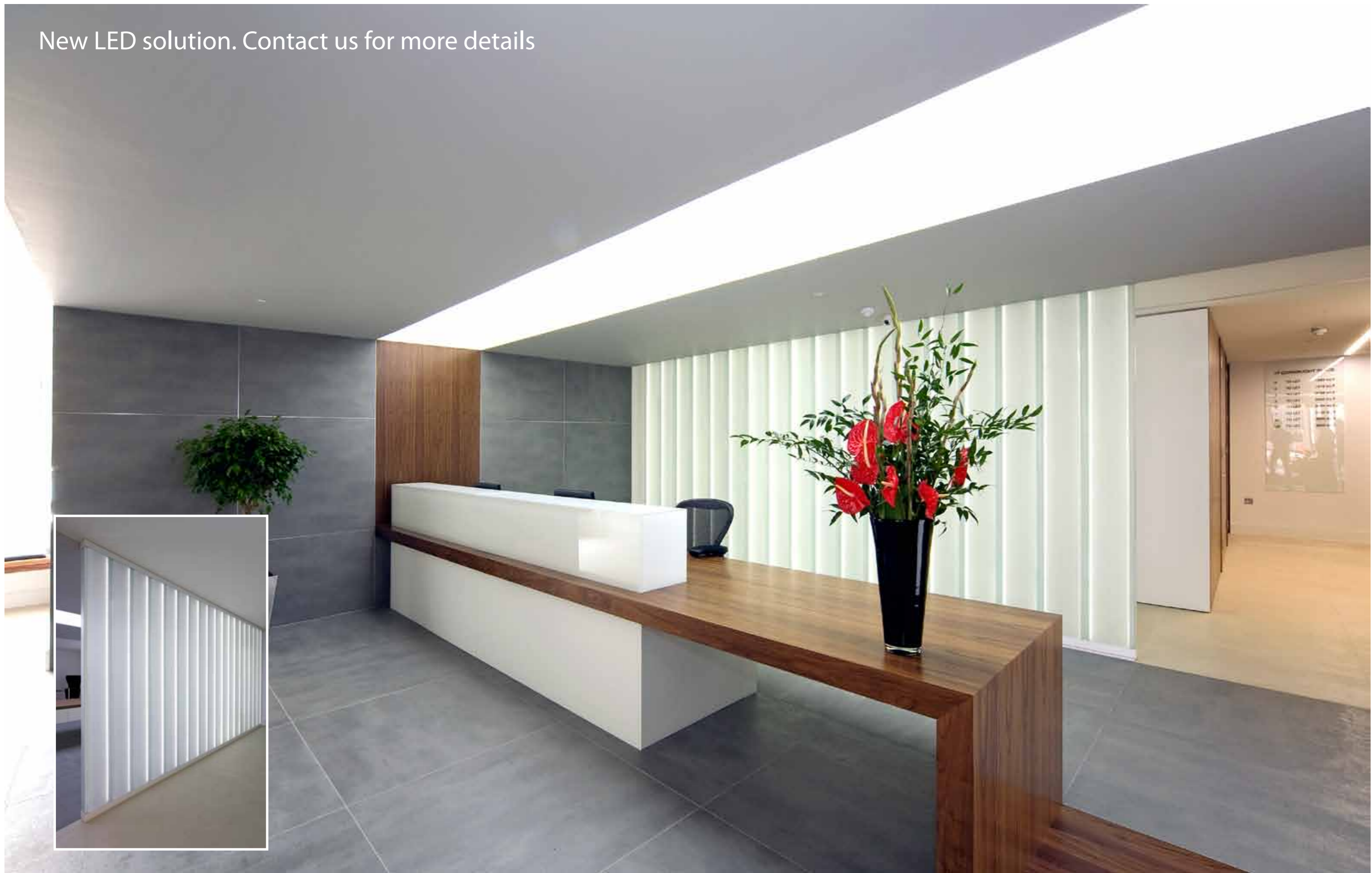


Amethyst wired



Amethyst Unwired

New LED solution. Contact us for more details



Lumaglass™ project, Connaught Place was designed by Griffiths Design and delivered by BW Interiors. Incorporating an LED light supply, this was Lumaglass™' first venture utilising this versatile technology and was hailed by all involved as a huge success. The impressive bright white screen is controlled by a dimmer switch operated from the reception area allowing the ambient to be altered to suit conditional needs.

Project –
Main Contractor –
Photography –

Connaught Place
BWI
Simon Warren

Glass – (K25/60/7) SP26 Cast Wired S/B
Low Iron
Light – Cool White LED 6,000K
PSU – Meanwell 240w



Project – Iomart, London
Photography – Simon Warren

Glass – (K25/60/7) SP26 Cast Wired S/B
Light – Colour Changing LED
Control – Wall Mounted Controller

The Iomart, London project utilised Lumaglass™' latest colour changing LED technology. Screens bordering the corridor and meeting spaces have been designed to develop and flow between a spectrum of bold blues, reds, yellows and greens.

Salford

The Lumaglass™ system can be installed to a rake, in this example at the cill. It can also be installed to a rake at the head or both.



Project – Salford Station
Architect – Austin-Smith:Lord
Main Contractor – J.Murphy + Sons Ltd
Photography – Simon Warren

Glass – (K22/60/7) SP2 S/B Cast Toughened
Light – DFL - 0175- G
Inverter – 12 KND X2
Control – On/Off

Team MaCarre

The glowing, sleek horizontal channels are reflected by strategically placed mirrored columns that multiply the overall luminosity around this striking main feature, the illusion of extra depth and visual trickery coming together in a crescendo of light and abstract lines.



Project – Team Macarre
Architect – Dan Macarre
Main Contractor – lumaglass
Photography – Simon Warren

Glass – (K25/60/7) SP26 Clear S/B Wired
Light – DFL - 0175- W
Inverter – 12 KND X1
Control – On/Off

Studio 5-11

The modularity of the U-Profile channels enables the creation of this organic curve. With low iron glass and white light, a feature white canvas has been created.

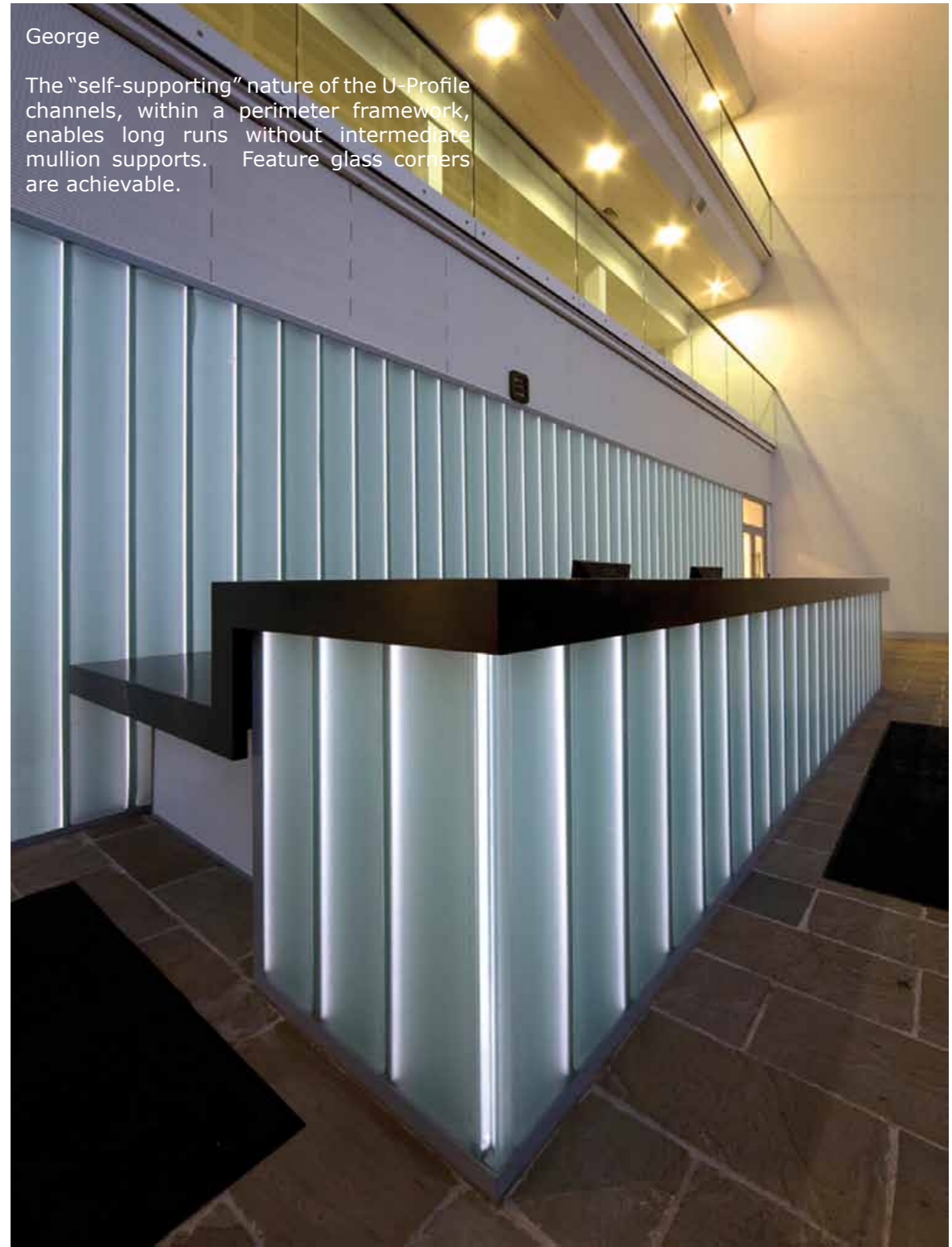


Project - Studio 5-11
Architect - Architects Design Group
Main Contractor - Lumaglass
Photography - Simon Warren

Glass - (K25/60/7) SP26 S/B Lowiron wired
Light - DFL - 0150- W
Inverter - 12 KND
Control - On/Off

George

The "self-supporting" nature of the U-Profile channels, within a perimeter framework, enables long runs without intermediate mullion supports. Feature glass corners are achievable.

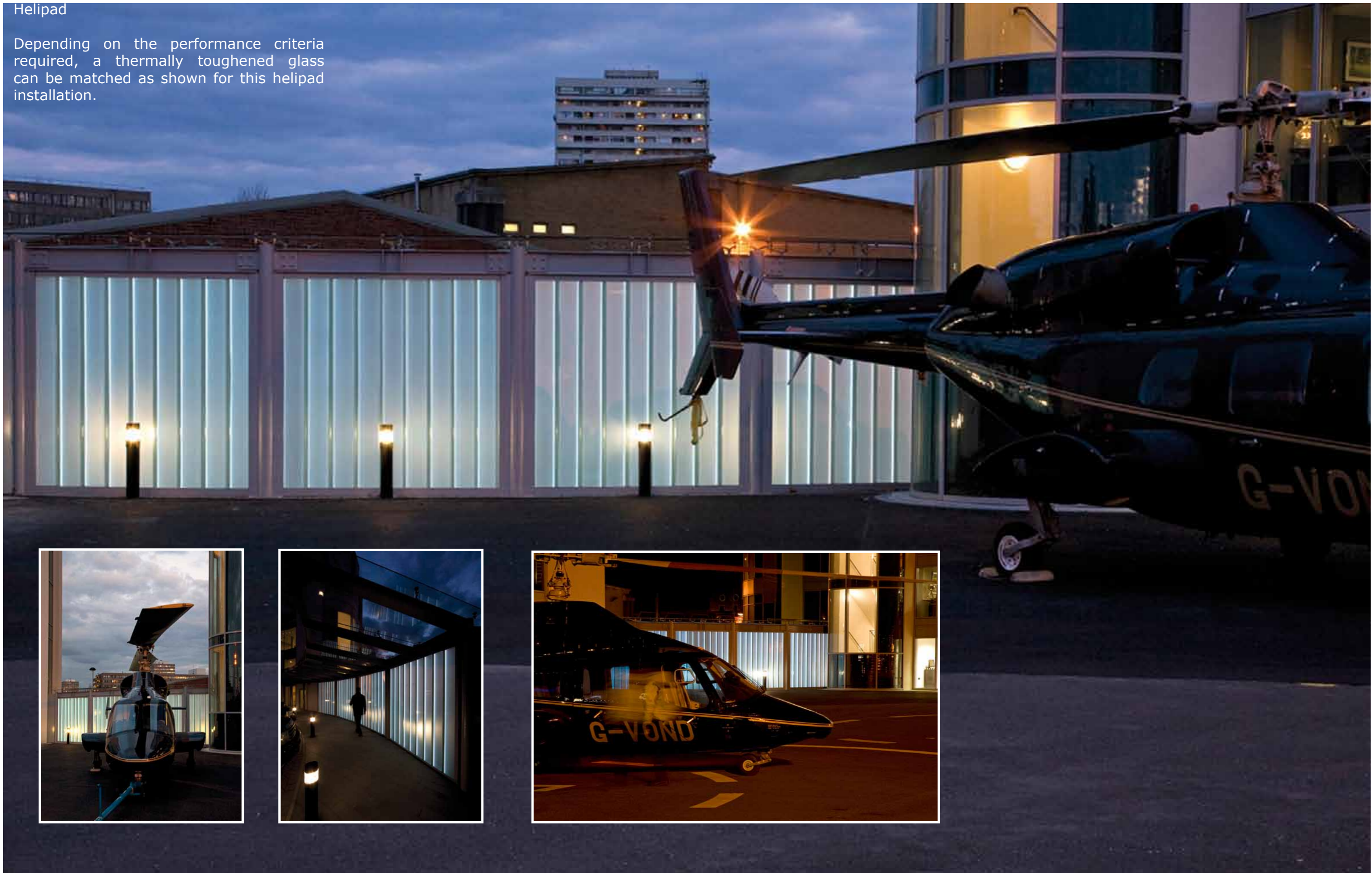


Project - Project George
Architect - Chetwoods Architects
Main Contractor - McLaren Construction
Photography - Simon Warren

Glass - (K25) NP26 Clear S/B Toughened
Light - DFL - 0100- W
Inverter - 12 KND X2
Control - On/Off

Helipad

Depending on the performance criteria required, a thermally toughened glass can be matched as shown for this helipad installation.

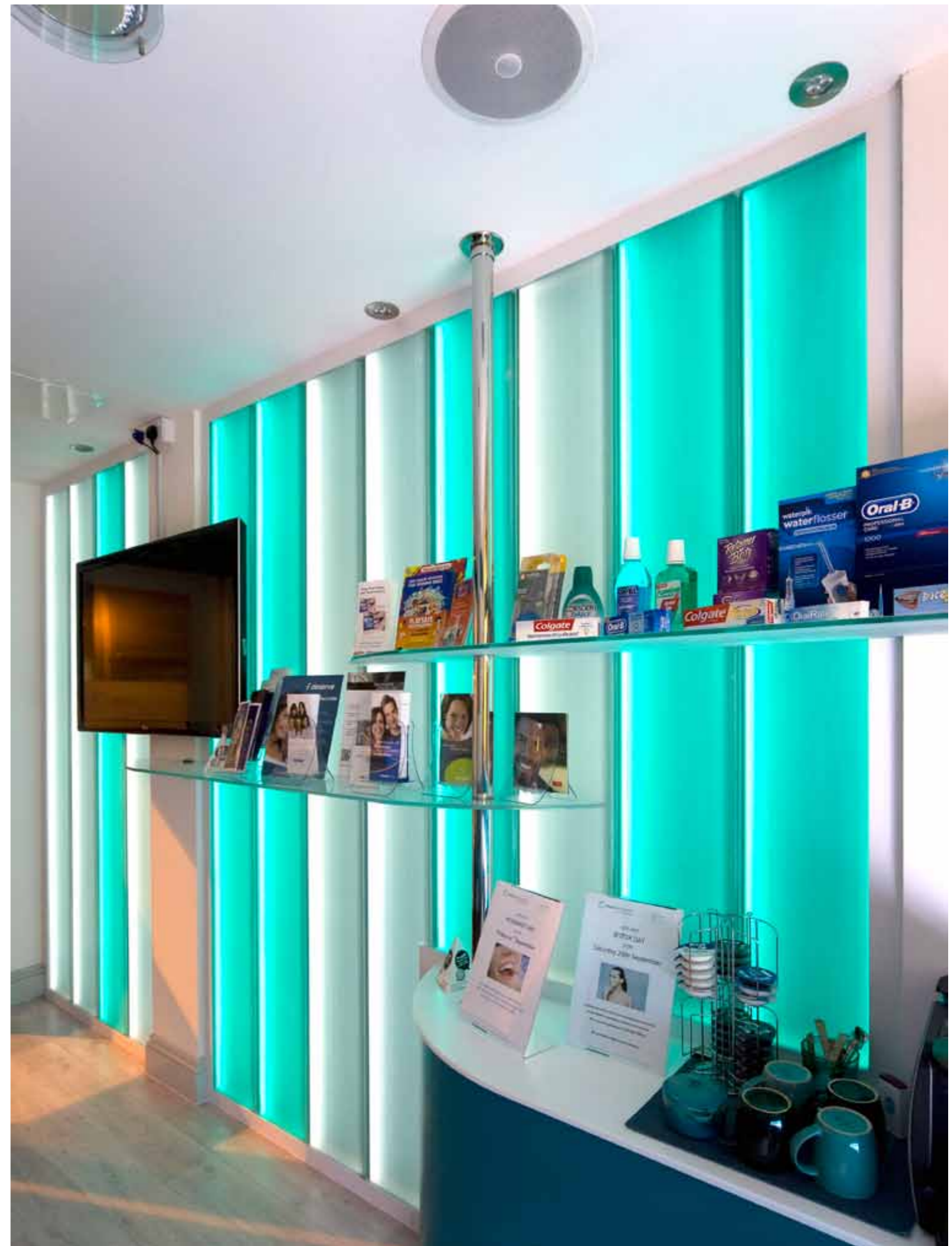


As part of the Bridges Wharf luxury hotel development, Lumaglass was specified to create a feature wall to divide and protect the road access to the hotel from the main Helicopter landing strip, while maintaining an air of elegance and exclusivity.

Project –	Battersea Heliport	Glass – (K25/60/7) SP26 S/B Cast Toughened
Architect –	Kay Elliott	Light – DFL - 0175- G
Main Contractor –	D Wilson Architectural	Inverter – 12 KND X4
Photography –	Simon Warren	Control – Solar switch



Project – Opal One
Architect – APG
Glass – NP26 Cast Wired
Light – EL Aqua
Inverter – 124N
Control – Timer



Project – Premier Orthodontics
Architect –
Main Contractor – Simon Warren
Photography –
Glass – SP26 Cast Wired
Light – EL White & Aqua
Inverter – Int - 2200NB-A Ext - 124N-A
Control – Timer