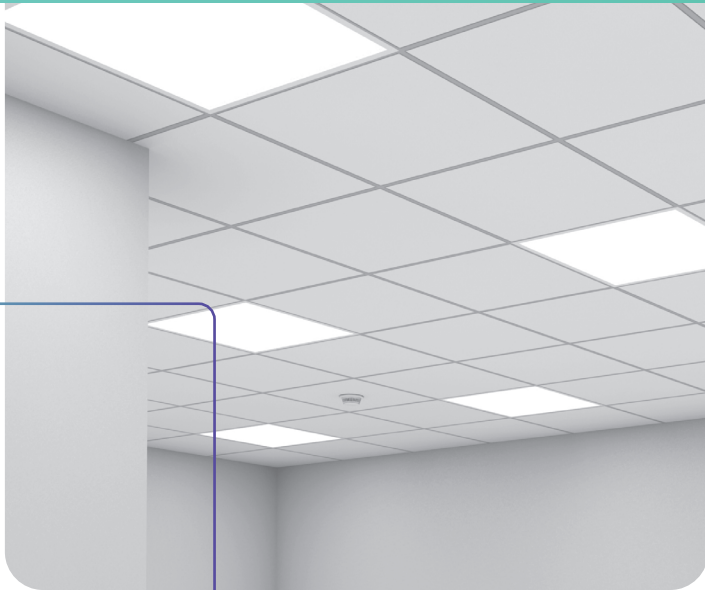




Perspex® Edge

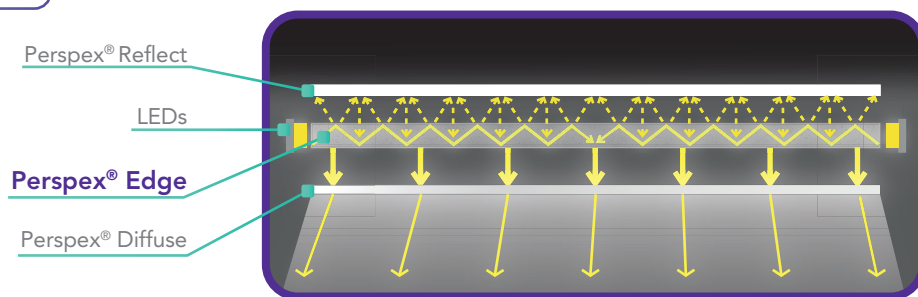
Cell cast acrylic sheet optimised for light guide panels in LED edge illumination applications.



Potential.

Perspex® cast acrylic has excellent long path light transmission, compared to other thermoplastics. Combined with the latest particulate filler technology, Perspex® Edge has been designed for producing LED light guide panels in luminaires, in particular those used to light up a room or an area. Its high light output with even illumination comes from the specially developed technology within the sheet and is optimised for individual panel sizes so that no further fabrication is required, reducing overall luminaire production costs.

Edge Illuminated LED Light Panel:



Product Range/Availability:

Perspex® Edge has been specifically optimised in four grades for double edge illumination of panels in specific widths.

Our in-house product development and flexible manufacturing capability means that bespoke variants are easily available with small minimum quantities, as well as other sheet sizes.

Surface Finish:
Gloss / Gloss

Sheet Size:
2550 mm x 1800 mm
(gives optimal efficiency for
600 x 600mm panels)

Product Code	Panel Width (mm)	Thickness (mm)		
		4	5	6
E03B	~300	■	■	■
E06B	~600	■	■	■
E09B	~900	■	□	□
E12B	~1200	■	□	□

■ Standard □ Made to order

Potential.Performance.Perspex®

Performance.

Perspex® Edge combines particulate technology with a gloss finish to control the reflection of emitted light, resulting in even light distribution across the light guide panel surface.



Optimised performance	Benefits
Superior edge lighting performance with long path light transmission and high optical clarity	Maximum light output and evenness giving good luminaire efficiency
	No laser etching, engraving or printing required, thereby reducing costs
	Potential for lower energy costs
Different grades for different panel sizes	Optimised for maximum light output and evenness
Excellent illuminated colour	Good colour correlation and no yellow 'banding'
Superior laser cutting performance	Good quality edge in one step process, cost effective means of fabrication
10 year guarantee against yellowing	Supports luminaire warranties, no unscheduled maintenance to replace panels through light drop off.
Superior surface hardness and scratch resistance	Better resilience against accidental damage during luminaire assembly, packing, shipment and handling
650°C Glow Wire performance	Meets standard luminaire performance requirement
100% Recyclable	Environmental performance

Technical Properties:

The general physical properties of Perspex® Edge are identical to Perspex® acrylic. Please consult the Perspex® Edge Technical Data Sheet.

Perspex® Edge sheet is supplied with PE masking which is unbranded clear on the show surface and white on the rear surface.



Perspex® Brand

For more details on any of the products or applications featured here, please contact our sales team.

+44 (0) 1254 874000
 info@perspex.com
 www.perspex.com



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