



Perspex[®] Diffuse

Cell cast acrylic sheet with the latest diffusion technology.



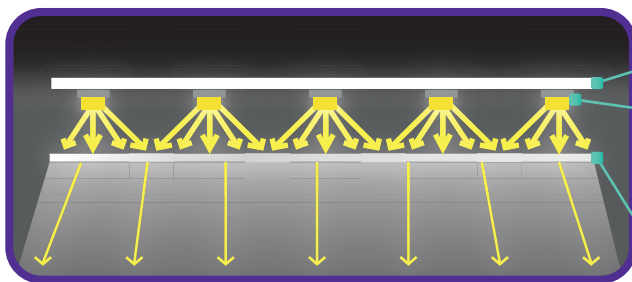
Potential.

Perspex[®] Diffuse has been developed to maximise light output and diffusion; offering superior brightness and evenness, whilst hiding LED hotspots.

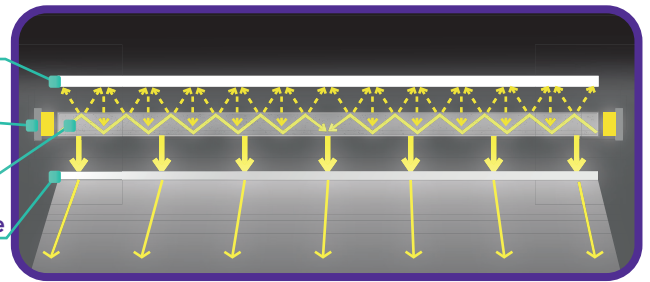
Its optimised performance is equally effective in both back and edge illuminated light panels and units in Lighting, Illuminated Advertising and Display applications.

The extensive range of grades, light transmissions and thicknesses provides ultimate flexibility, no matter what the luminaire design construction.

Back Lit Panel:



Edge Lit Panel:



Perspex[®] Reflect
LEDs
Perspex[®] Edge
Perspex[®] Diffuse

Product Range/Availability:

Sheet Size:
3050 mm x 2030 mm

Surface Finish:
Matt / Matt

Standard

Made to order

Product Code	Light Transmission (%)	Thickness (mm)							
		2	2.5	3	4	5	6	8	10
D2 DF60	60	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D2 DF70	70	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D2 DF80	80	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D2 DF90	90	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Potential.Performance.Perspex[®]

Performance.

The combination of optimised light transmission and diffusion of Perspex® Diffuse offers flexibility to reduce costs, improve panel efficiency, or simply differentiate a luminaire from others, with its distinctive matt surface.

In addition, its excellent colour correlation at different wavelengths means it can be used with LEDs, from warm white through to natural daylight, with confidence of achieving the output colour temperature required.



Floreeda Fabrications, UK.

Optimised Performance	Benefits
Unsurpassed and maximum diffusion at a fixed light transmission	Brighter giving excellent lumen/watt performance
	Most optimal lumen output and evenness performance hiding LED hotspots
	Potential to reduce LEDs and luminaire construction costs
	Various grades and thicknesses for every luminaire construction, including slimmer panels
Excellent illuminated colour	No colour correlation temperature (CCT) & colour rendering index (CRI) maintenance issues
Textured surface with high surface hardness	Potential to achieve luminaires with UGR<19
	Better resilience against accidental damage during luminaire assembly, packing, shipment and installation
10 year guarantee against yellowing	Supports luminaire warranties, no unscheduled maintenance to replace due to light drop off.
650°C Glow wire performance	Meets standard luminaire performance requirement
100% Recyclable	Environmental performance



Technical Properties:

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

Perspex® Diffuse sheet is supplied with printed high tack PE masking on one side and white unprinted masking on the rear surface.



Perspex® Brand

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

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