

BARLO® CAST

lumina

Product information

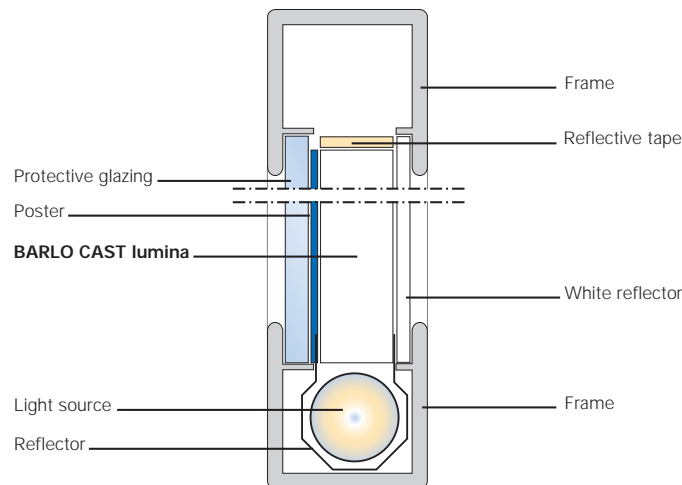


BARLO CAST lumina is the latest evolution of our PMMA cast sheet - with unique light diffusion characteristics. Its innovative properties make BARLO CAST lumina the best choice for new designs in lighting applications and publicity glazing media.

BARLO CAST LUMINA CHARACTERISTICS

- BARLO CAST lumina has even transmission of light across the whole surface when the sheet is illuminated through its edges.
- BARLO CAST lumina allows a reduction in final frame dimensions. Perfect for use in ultra-slim frames, allowing slim fluorescent tube fitment.
- BARLO CAST lumina is suitable for use with any light source - tubes, LEDs, CCFLs and optical fibres.

BARLO CAST LUMINA FRAME CONFIGURATION



BARLO CAST LUMINA GUIDELINES

In order to obtain the best lighting performance using BARLO CAST lumina, remember the following guidelines:

- Edges should be flat-cut and polished (preferably diamond polished)
- Non-illuminated edges should be protected by a reflective adhesive tape (mirror or white reflector).
- Light sources should be as close as possible to the edge of the sheet. Any accessory designed to focus light into the sheet, will enhance the material's properties.
- A white reflector behind BARLO CAST lumina will increase surface illumination.

BARLO CAST LUMINA TECHNICAL INFO

Property	Method	Units	BARLO CAST lumina
Density	ISO 1183	g/cm ³	1.19
Modulus of elasticity	ISO 527	MPa	3300
Vicat temperature	ISO 306 A50	°C	115
Coefficient of linear expansion	ISO 11359-2	10 ⁻⁵ x K ⁻¹	7
Thermoforming temperature		°C	160-190
Charpy unnotched	ISO 179	kJ/m ²	15

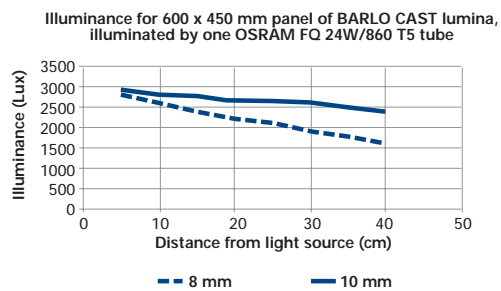
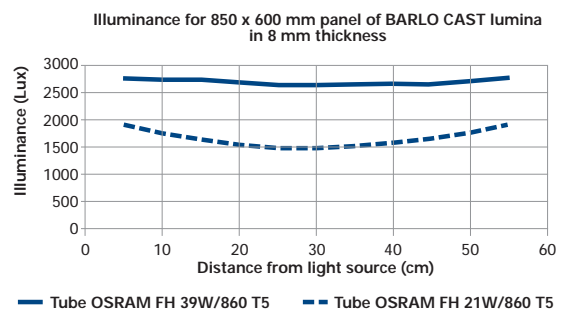
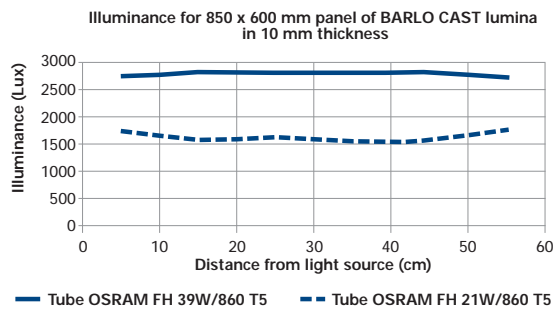
BARLO CAST lumina has the same processing and technical specifications as BARLO CAST standard sheet. Please refer to our "BARLO CAST" Technical Manual for further details.



BARLO CAST LUMINA APPLICATIONS

- Ultra-slim frames
- Urban displays, such as bus shelters and poster mounts
- Double-sided poster frames
- Safety signage
- Decorative lighting

BARLO CAST LUMINA TECHNICAL SPECIFICATIONS



BARLO CAST LUMINA PRODUCT RANGE

COLOUR	FEATURES	SIZE in mm	SHEETS PER PALLET		
			Thickness in mm		
			8	10	15
■ Lumina	Light diffusion	3000 x 2000	15	10	8



SPECTAR
sheet

BARLO XT

BARLO PC

BARLO SPC

BARLO CAST

BARLO SAN

BARLO PS

PRODUCT OVERVIEW

Quinn Plastics is the producer of a range of thermoplastic sheets, marketed under the BARLO product name.

Quinn Plastics offers a wide range of plastic sheets which give the widest choice to the industry as far as gauge, size, pattern, colour, coating and opacity are concerned.

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