



Overview

The PLEXIGLAS® LED family of specialty Acrylic consists of various grades that take full advantage of the lighting benefits offered by LEDs.

Versatile Light-Emitting Diodes (LEDs) provide new options for lighting design combined with energy savings & low maintenance.

The range covers Back Lighting, Edge Lighting as well as Block for routed letters.

Main Benefits

- Excellent illumination properties
- High weather resistance with a 10 year warranty
- Whiter & brighter in appearance
- No LED hot spots
- High luminous efficiency
- Ideal for shallower lightboxes
- Ideal for channel letters
- Cost saving
- Lightweight

Typical Applications

- Illuminated Signs
- Sign boxes
- Routed letters
- Light fixtures
- Point of sale
- Partitioning
- Furniture & Joinery

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Product Range/Dimensions

Type	Thickness	Length x Width	Surface
Back Lighting (White WH14)	3mm & 4.5mm	2440mm x 1220mm & 3050mm x 2030mm	Gloss/Gloss
Back Lighting (White WH14)	6mm	2440mm x 1220mm	Gloss/Gloss
LED Block (White WM51)	20mm & 30mm	2440mm x 1220mm	Gloss/Gloss
LED Edge Lighting (Clear)	4mm	2464mm x 1245mm	Gloss/Gloss

Colours



Note: Colours may not represent the physical product.

Panel Physical Properties

Property	Result
Density	1.19g/cm ³
Weight (3mm)	3.69kg/m ²
Gauge Tolerance	+/- 8%
UV Performance	Excellent*
Impact Strength	Good*
Illumination	Excellent*
Service Temperature	80°C
Vicat Softening Temperature	115°C
Forming Temperature	160°C - 175°C
Expansion/Contraction Rate	5mm/m
Fire Rating	Group 4*
Cleaning	PSP Cleaner, or warm soapy water & soft cloth

*More detailed technical information available upon request



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