

Precision structured PMMA sheet

The unique pattern of this prism structure (registered design) opens new opportunities for the design of luminaires, especially for floor lights, as it forces the bigger share of the light into a preferred direction, depending on the assembly direction of the pattern.

R10-115 has a flat surface back side whereas R11-115 features a glossy satined back side with a slightly reduced transparency and a more diffuse appearance of the light distribution.

Shown on the right is a typical light distribution curve of the R10-115 pattern. For a description of the test setup, test results, more detailed technical specifications and material properties, please contact us.

Length: max. 5400mm

Width: max. 1000mm

Thickness: 2,0mm

Structure: 115°high precision linear prisms

Prism tip radius: typical <math><10\mu\text{m}</math>

Material: PMMA (Plexiglas® POQ62)

Temperature range: -40°C to +80°C / -40°F to +180°F

