



Advantages

- High light transmission with effective diffusion
- Excellent impact resistance and durability
- UV resistant
- Easy to thermoform, cut, and machine

Arcus is a polycarbonate opal diffuser with a dual-sided textured surface – featuring a coarse matte finish on one side and a fine matte finish on the other. Manufactured from optical-grade polycarbonate (PC), it incorporates advanced optical design to deliver a soft, uniform illumination effect, making it ideal for LED panel lights and downlights. Available in 60%, 70%, 80%, and 90% transmission options. Ideal for applications requiring high impact resistance.

Product data

Material	PC
Thickness range	1,5 mm - 3 mm
Standard dimensions	3050 x 1220 mm Custom sizes on request
Weight per m ²	1,5 mm = 1,8 kg / 3 mm = 3,6 kg
Finish	2 side matte (Ra 1,5 - 2,5 µm/ Matte 4-5µm)
Transmittance	60%, 70%, 80% & 90%
Haze	94% - 93.5% ±1
Tensile strength	60 MPa
Temperature range	0 - 100°C
UV protection	UL F1 approved
Flammability	UL94 - V2
Glow wire test	850°C ASTM D648

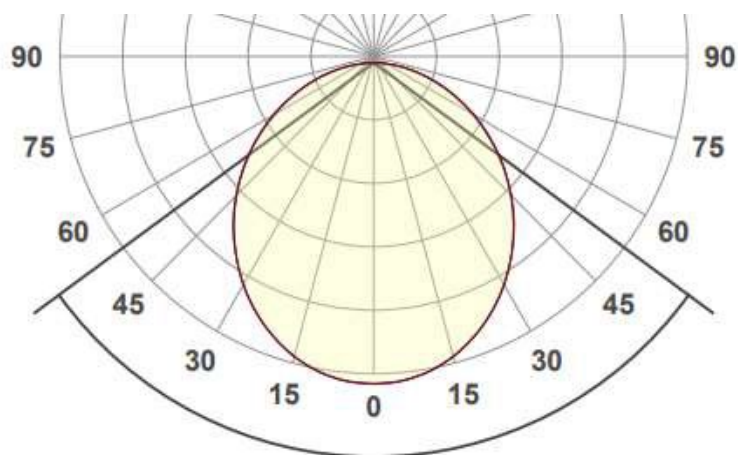
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CONTACT US

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Light distribution curve



Measured light distribution curve, Ingemann Arcus

■ C0/C180

■ C90/C270

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