

OKALUX+ Light diffusing 2-pane insulating glass for even, shadow-free and nearly glare-free illumination

Outer pane

Glass type and thickness according to static and/or construction requirements with heat or combined sun and heat protection layer.

Cavity

18 mm with hermetic insulating glass edge seal according to German Standard DIN EN 1279 consisting of 10 mm capillary slab, additional glass fibre tissue, circumferential retainer profiles and 8 mm gas filling depending on Ug-value requirements. All inserts must be free of volatile materials such as oil, grease, etc. This must be tested and verified by a Fogging Test according to German Standard DIN EN 1279-4.

Capillary slab of transparent Plexiglas® with a guaranteed UV stability (fastness to light) of 30 years. The three dimensional insert diffuses the direct sun light for an even illumination of the room with daylight. This prevents the direct sun irradiation from hard shadows in the room. Glare through direct sunlight is prevented.

The capillary slab prevents convection in the pane cavity so that a consistent Ug-value is achieved under all installation conditions.

Inner pane

Glass type and thickness according to static and/or constructive requirements.

Technical data as required:

The structural values are to be verified by appropriate calculations and/or measurements.

Light transmission	%
TSET	%
Ug-value	W/m ² K