

## **OKALUX EVO Light diffusing 3-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 coating.

### **Cavity I**

8 mm with hermetic insulating glass edge seal according to German Standard DIN EN 1279 and glass filling according to Ug-value requirement.

### **Middle pane**

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

### **Cavity II**

20 mm with hermetic insulation glass edge seal according to German Standard DIN EN 1279 completely filled with 2 offset 10 mm capillary slabs with intermediate glass fibre tissue. All inserts must be free from volatile materials such as oil, grease, etc. This must be tested and verified by the Fogging Test according to German Standard DIN EN 1279-4.

The capillary structure is visible and irregular. The capillaries have a diameter of about 2.5 mm 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.

### **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<sup>2</sup>K