



Product-Information

## Aluminum Louvers

Wherever non-combustible or non-inflammable materials are required in the designing of luminous ceilings or luminous rows of lights.

Aluminum louvers are suitable for all general commercial interior lighting applications, giving an attractive low brightness diffused appearance and effectively concealing the light source for visual comfort.

The standard colours are white or aluminium natural anodized. Upon request they can be powdercoated in many colours according RAL.

The installation of aluminum ceilings can be made seamless and in strip- or coffer-type installation (more details see under chapter suspension and installation).

### Aluminum Louvers for Fair Booth

Especially for individual constructions of fair booths a small cell-sized Louverlux aluminum louver is available with a lot of advantages like highest glare restriction, low volume on warehouse and in case of transportation. This louver can be delivered as a standard in white- or black-powdercoated shape in a wide range of different panel-sizes.

These sizes are suitable for most of the standard booth systems Upon request special panel-sizes as well as special colours are available. For an extraordinary appearance a c-channel can be delivered which will be mounted all around the panel.

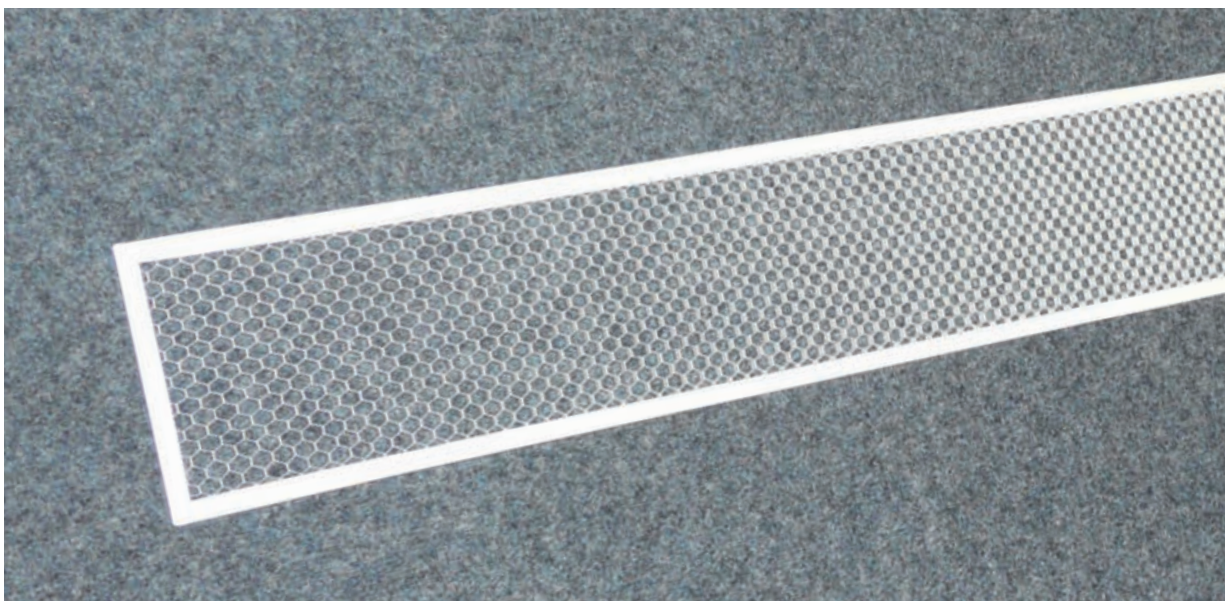


## Honeycomb Louvers

ALKUCCELL Honeycomb Louvers create, even under the strongest light sources, a glare-free and (for the human eye) a very pleasant light for the maximum in visual comfort. This effect is achieved by the efficient light shielding and the excellent light distribution of the “honeycomb” form of the cells. By these factors they comply with the German standardization according DIN 5035 for glare-free lighting.

The extremely thin aluminium material (AlMg3) and the filigree make of the honeycomb cells allows for a high rate of air flow (approx. 98%), which results in an excellent ventilation of the luminaries and thus a longer life span of the light source.

ALKUCCELL Honeycomb Louvers can as well be combined with acoustical materials or ceiling systems and air conditioners.



## Plastic Louvers

Louverlux Light Diffuser allows complete design flexibility whether installed as lay-in panels in suspended ceilings, or specified for use in fluorescent lighting fixtures.

Louverlux Light Diffuser is offered in different cell configurations and the acrylic louvers are uv-stabilizes and have non-yellowing qualities.

This simple but functional lighting control device which is made for an economical and attractive lighting diffusion does not only provide lamp concealment and glare reduction. It offers further lower brightness levels, improves visual comfort, high footcandle in the viewing zone and better ventilation for longer life and higher performance.



These and many other factors have contributed to Louverlux Light Diffuser continued success, despite the advent of many other forms of lighting diffusers. To realize special sizes, the standard panels are easy to cut on usual saws. Because of its shape this louver is suitable for seamless suspension (more details see under chapter suspension and installation).

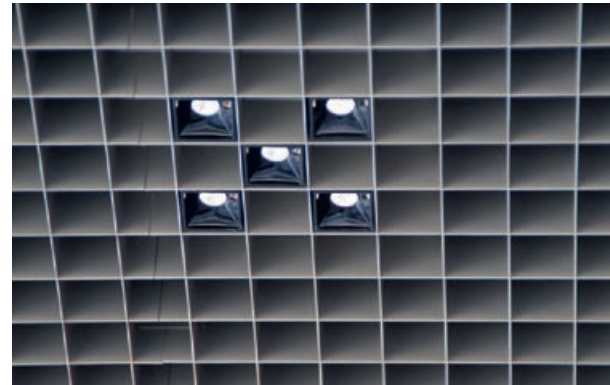
## Louverlux Louver GmbH

We at Louverlux Louver GmbH see ourselves as specialists in the field of light grid production. Only finest materials like high impact polysterene and pure aluminum will be used for the manufacturing of Louverlux-products.



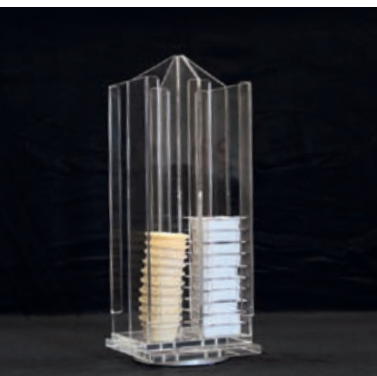
Louverlux is wellknown for highest quality of their products for:

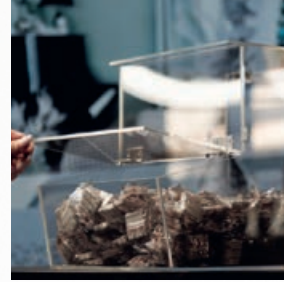
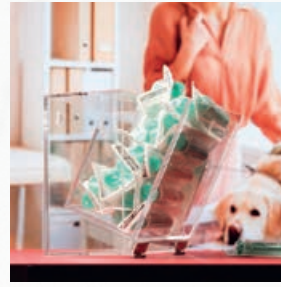
- ✓ Lighting manufacturers
- ✓ Shopfitting / Interior finishing
- ✓ Exhibition stand construction



## Acrylic glass assembly

We specialize in the bonding, milling, sawing, polishing, screwing and thermal bending and thermal bending of acrylic glass in individual or serial production. We process clear, mirrored or colored plastics, sheets, blocks, tubes, solid rods, profiles and more into sales stands, displays, showcases, covers, technical parts or special and designer furniture.





**Do you have questions about  
our products or special requests?  
We look forward to hearing from you!**

Opening hours:  Monday - Thursday 8 a.m. - 4 p.m.  Friday 8 a.m. - 1 p.m.

**LOUVERLUX**  
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## Suspension and Installation

Each Louverlux luminous ceiling consists of an underlying suspension system and the louver panels. The components are adjustable hangers, wall brackets and T-bars as well as cross-bars for coffer-type suspension.

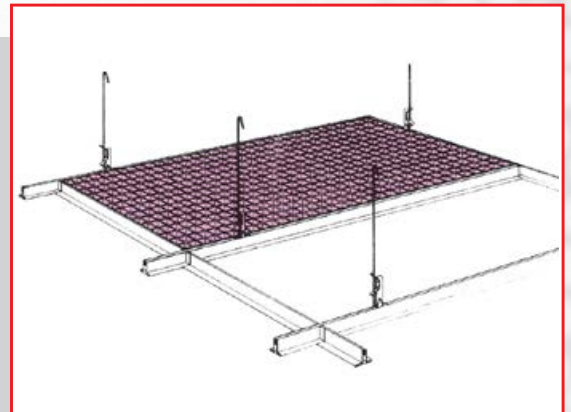
The advantage of a visible suspension structure is easy access to lighting fixtures as the individual panels can be easily lifted out of the T-bars.



For coffer-type suspension (ceiling system 2 x 4 ft or 1200 x 600 mm) the following quantities of suspension materials are required:

Louverlux panel 1210 x 602 mm or 1195 x 595 mm:

T-bar main runner	3600 mm	0.8 m.r./sq.m.
Long cross-bar	1200 mm	1.6 m.r./sq.m.
Short cross-bar	600 mm	0.8 m.r./sq.m.
Hanger		0.7 pcs/sq.m.



Most Louverlux aluminum louvers can be seamlessly suspended. This means that no T-bars or cross-bars are visible. In this case the panels have all around half ends and are fixed to each other with connection clips.

Specially shaped T-bars are installed with quick-lock hangers directly from the main ceiling and nivelled. The louver panels receive holes at all four edges in which the special springs hanging on the T-bar are pushed.



The following suspension materials are required:

Louverlux panel 1200 x 600 mm:

T-shaped bar	approx. 0.8 r.m./sq.m.
spring	approx. 3 pcs./sq.m.
clips	approx. 3 pcs./panel
hanger	approx. 1.2 pcs./sq.m.

