Acoustics & Lighting

ALPHAcoustic-Sky.Fos

ACOUSTIC-LUMINOUS CEILING

ALPHA ACOUSTIKI

In TUNE with YOUR needs

DESCRIPTION

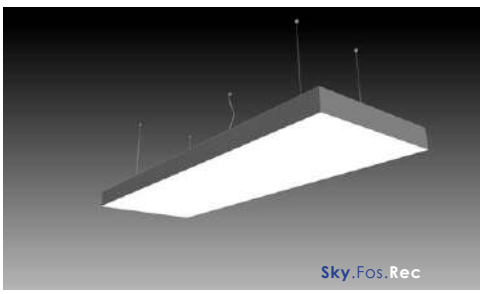
ALPHAcoustic-Sky.Fos is a new series of acoustic panels that combines acoustics with lighting. Named after the Greek word "ΦΩΣ" which means Light, these Acoustic/Luminous ceiling panels can either be suspended horizontally from the ceiling, or attached vertically to the wall. The hidden LEDs with high intensity, spread light evenly on the front panel fabric surface.
The panels are meant to not only provide excellent acoustics, but give complete acoustic and illuminative solutions.

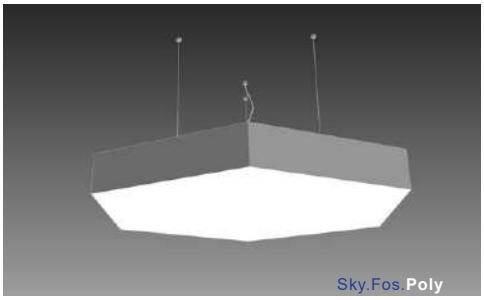
Typical applications:

- Reception areas
- Waiting rooms
- Offices
- Restaurants
- Classrooms
- Teleconference Rooms

MAIN CHARACTERISTICS

- Invisible light source, create a day-light-like illumination
- Intense and homogeneous lighting
- Improve room acoustic
- High daylight capability
- Robust Aluminum frame
- Modular / flexible system
- Fire rated fabric



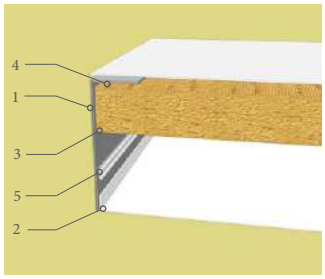


- Internal led technology light
- Low energy consumption.
- Long life
- Reduce disturbing sound reflections.
- Unlimited fabric print choices
- Ability to easy change the fabric
- Internal invisible Acoustic slab

TECHNICAL SPECIFICATIONS

Standard Technical Features:

- Front textile-Printing fabric: High technology digital UV printing, translucent white polyester fabric (not a PVC Stretch Membrane ceiling). Enhanced with flame-retardant characteristics (flammability rate B2 s1 d0 according to EN 13501) and a silicone profile sewn parametrically. It is very easy to replace without tools or trained personnel.
- Application: Internal use
- Acoustic characteristics: aw =0.8, Class B, according to EN 11654
- Eco-friendly: Recyclable
- Indicative Weight: 10-13 kg/m^2 in relation with dimensions and lighting accessories
- Light diffusion coating - Good fluoroscopy and intensive colors printing effects
- Input voltage current: 220-230 V / 50-60 Hz
- Consumption: Related to dimensions (please ask)
- Aluminum color frame: Anodize as standard, can be painted in any color
- CCT Led color: 4000 K as standard. Other colors on request
- Light Intensity: 4000 Lm/m^2
- Color Rendering Index (CRI): = > 80
- Digital Addressable Lighting Interference (DALI): On request
- Dimmable:On demand



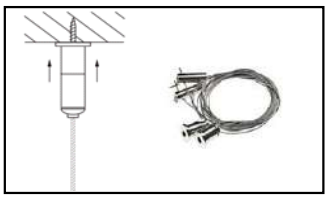
SECTION DETAILS

1 Aluminum frame
2 Front Acoustic/light transparent Fabric
3 Internal Acoustic slab
4. Back cover
5. High intensity Led lighting system

150 mm 80 mm 50 mm

HANGING SYSTEM:

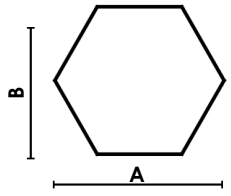
Vertical hangers with stainless steel wire and height adjustable roof suspension mechanism.



ALPHAcoustic-HS

Standard Dimensions

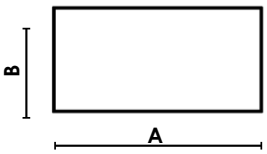
ALPHAcoustic-Sky.Fos Type: **POLY**gon



For Acoustic panels: - A/B= 500/433, 750/650, 1000/866mm
- Thickness H= 50, 80, 150 mm

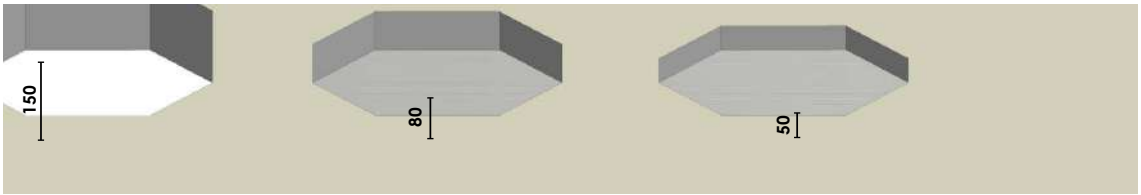
For Light & Acoustic panels: - A/B= 500/433, 750/650, 1000/866mm
- Thickness H= 150 mm

ALPHAcoustic-Sky.Fos Type: **REC**tangular



For Acoustic panels: - A/B min1200x600, max 1300x3000mm
- Thickness H= 50, 80, 150 mm

For Light & Acoustic panels: - A/B min1200x600, max 1300x3000mm
- Thickness H= 150 mm



COEXISTENCE ACOUSTICS & LIGHTING

In case there are no requirements for large illuminated surfaces, but a need to improve room acoustics, the **ALPHAcoustic**-Sky.Fos panels can be combined with the purely acoustic panels **ALPHAcoustic**-Fabric , which provide a similar aesthetic.
As such, it is possible to combine different rectangular/polygon frame shapes of varying thicknesses (50.80,150 mm) and cover their external surface with a wide variety of acoustic fabrics. *(pls refer to ALPHAcoustic-CL)*.

Based on our many years of experience in creating innovative solutions for room acoustics since 1980, we are now able to offer a modern, flexible and efficient system to meet lighting and acoustic needs, enabling unlimited architectural choices.

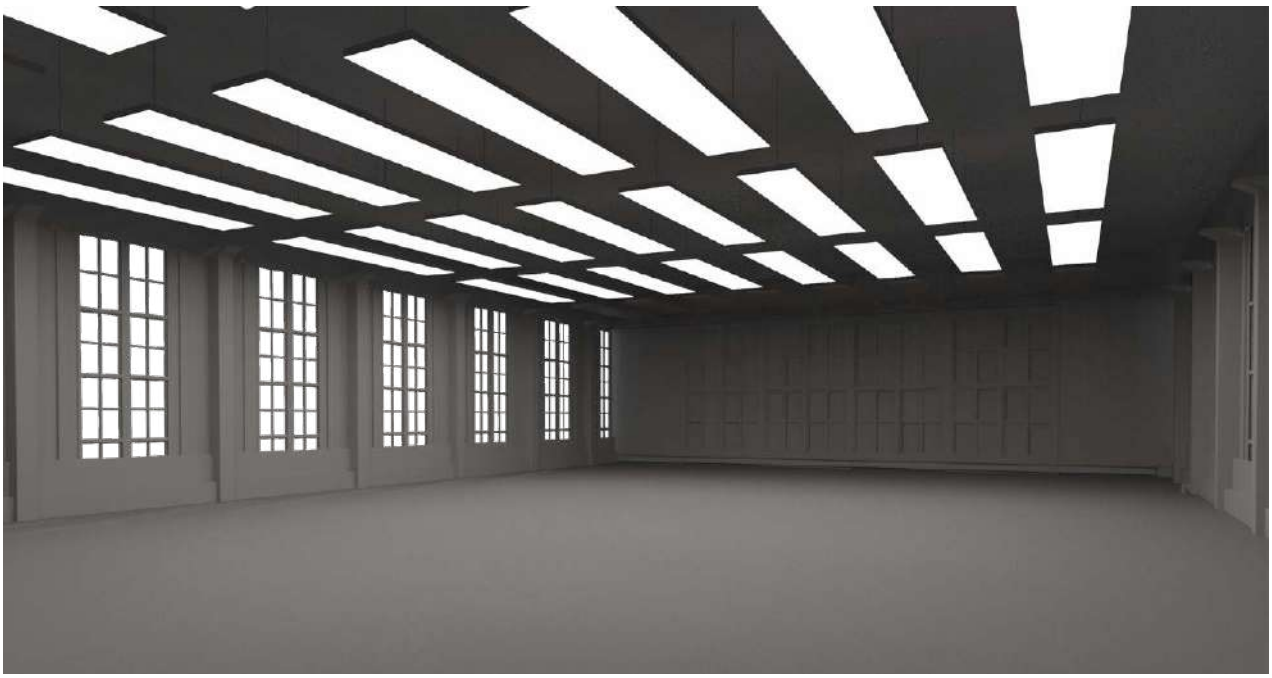
ACOUSTICS + LIGHTING + MUSIC

ALPHAcoustic-Sky.Fos gives unlimited acoustic, lighting and electroacoustic compositions, with the same aesthetic presentation.

As an optional feature, we can incorporate a hidden loudspeaker to offer *HOLISTIC* ambient treatment and satisfy not only the light-sound requirements of the space but the musical preferences of the user as well.

Let's give your imagination a chance to realize your aspirations.
We are by your side to help you make them happen.

Contact us for the integration of an ***Electroacoustic system***.



INTERNAL ACOUSTIC CORE

Trying to achieve the best sound absorption coefficient taking into consideration environmental factors, we can select various types of acoustic materials that can be used inside our acoustic panels.

Internal acoustic core materials:

FIBRANgeo® - Stonewool insulation slabs
Ultracoustic® - Mineral wool with Ecose® technology
BASOTECH® - Flexible open cell foam melamine resin
iZiFON® - Polyester fiber slabs
ISOLFON® PU - Flexible polyurethane foam
Stratocell® & Ethafoam® Whisper® - Hydrophobic polyethylene foam

ORDER DATA

For better matching our client's needs, we kindly ask to specify through your order the characteristics of the acoustic panels.

Type: ALPHAcoustic-Sky.Fos .....

Dimensions: (AxB)..... x ..... mm

Thickness: ..... mm

Internal Core Material

External Fabric Covering Type: .....Code:.....(only for acoustic panels)

Aluminum Frame Color: RAL.....

Hanging type: On the ceiling / Suspension stainless steel wire with length ……cm.

Lighting Specifications: …….

Loudspeaker specifications: .....

Additional Options: .....

LEGAL NOTICE

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Further information and updates at www.alphacoustic.com

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RESEARCH - DEVELOPMENT - INNOVATION

Our acoustic engineering team with 40 years of experiance continuously carries out applied academic research on acoustics, noise and vibration control, working closely with specialized research Institutes and Acoustic Laboratories. This contributes in designing innovative, advanced and effective acoustic control solutions.
Additionally, we carry out, sound absorption index in Acoustic laboratory, in order to determine the characteristics of new, eco-friendly acoustic materials. In order to constantly guarantee high quality, we offer solutions that are tested and certified by independent acoustic laboratories.

ALPHA ACOUSTIKI

In TUNE with YOUR needs

ALPHA ACOUSTIKI S.A. combines technical experience and scientific knowledge of its Engineers which are specialized in the field of room acoustics since 1980.

We create workplaces in which people choose to work, tailored to the specific requirements of each job, with particular attention to the ACOUSTIC & LIGHTING necessities of the employee.

DESIGNING FOR WELL-BEING

The concept design of ALPHAcoustic products puts in practice all fundamentals of well-being.
Focus on employee and workplace well-being, can result in improved productivity, increased confidence, offering a better staff concentration.
Our Acoustic products help to achieve the WELL Building Standard™ Certification.

Our technical department *(tech@alphacoustic.com)*, would be happy to help you find the best solution for your project.

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Recyclable

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