Acoustics & Lighting

ALPHAcoustic-Kiklos.Fos

ROUND ACOUSTIC PANELS WITH LED LIGHTING

ALPHA ACOUSTIKI

In TUNE with YOUR needs

DESCRIPTION

ALPHAcoustic-Kiklos.Fos is a new series of acoustic panels that combines acoustics with lighting. Named after the Greek word "ΦΩΣ" which means Light, these acoustic panels are hung horizantally from the ceiling and wrapped with acoustic transparent fabric; they include a round lighting system that allows direct and reflected lighting. The panels are meant to not only provide excellent acoustics, but give complete acoustic and illuminative solutions.
Due to their highly absorptive material composition , they reduce disturbing noise reflections and reverberated noise, improving interior acoustics and offering a better acoustic environment.
At the same time they can be adjusted to the illuminative needs of every space.

Typical applications:

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

Standard diameter Ø 120-100-80 cm - Regular thickness 50 mm
(Other shapes, dimensions & thicknesses upon request)

ALPHAcoustic-Kiklos.Fos
Tondo type

ACOUSTIC CHARACTERISTICS

ALPHAcoustic-Kiklos.Fos is specifically designed to achieve maximum sound absorption at a specific frequency range. Our team of acoustic engineers can assist in choosing the acoustic panels with the most adequate sound absorption index for your project according to ISO 354.2003 and ISO 11654.1997.
Indicative practical sound absorption coefficient (α_p), and weighted sound absorption coefficient (α_p) can be found in the following table, expressed in flat equivalent surface:

Type: **ALPHAcoustic**-Kiklos.Fos	**Practical Sound Absorption Coefficient** α_p						**Weighted Sound Absorption Coefficient (α_w)**	**Sound Absorption Class**
	Frequency (Hz)							
	125	*250*	*500*	*1000*	*2000*	*4000*		
Thickness 50 mm	0.28	0.75	0.93	1	1	1	1	A

In order to determine the required quantity and configurations of acoustic panels, an acoustic study is recommended.

LIGHTING CHARACTERISTICS

This luminaire combines architectural style with acoustic efficiency, producing perfect lighting conditions without distrurbing reflections.
The functional design of the luminaire guarantees a long, maintenance-free service life with high luminous efficacy and energy efficinecy.

Electrical data

- Wattage per Lamp (W) 22
- Nominal voltage 220-240 V
- Mains frequency 50/60 Hz
- Total harmonic distortion < 20%

Photometrical data

- Color temperature 4000 K (Cool White)
- Luminous flux 1920 lm
- Luminous efficacy 90 lm/W
- Color rendering index (CRI) > 80
- Beam angle 120 °

Colors & materials

- Body material Aluminum
- Housing color White
- Cover material Polymethylmethacrylate (PMMA)

ALPHA ACOUSTIKI S.A. in collaboration with a well known lighting industry, provides customization of the lighting system. At the same time the acoustic study determines the required amount of sound absorption panels and the required sound absorption coefficient.
The final result is perfect acoustic and lighting coverage.

Round acoustic panels **ALPHAcoustic**-Kiklos.Fos can be produced in different shapes, dimensions and thickness and other lighting characteristics upon request.

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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 designed 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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CONTACT

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Eco-friendly
Recyclable

*Design and Production according to Quality Management System **ISO 9001.2008** & Environmental Management System **ISO 14001.2004***