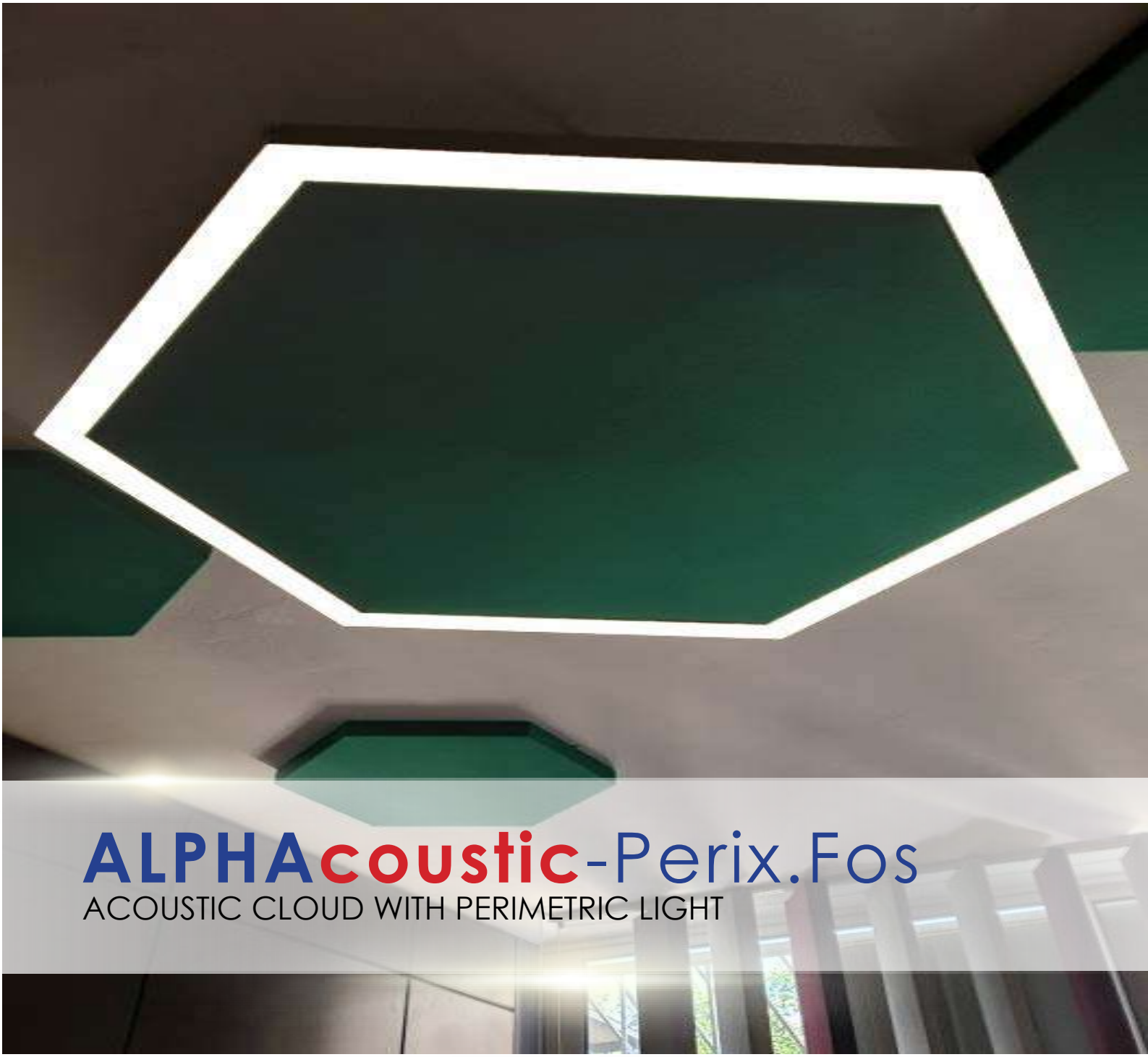
Acoustics & Lighting



ALPHAcoustic-Perix.Fos

ACOUSTIC CLOUD WITH PERIMETRIC LIGHT

ALPHA ACOUSTIKI

In TUNE with YOUR needs

DESCRIPTION

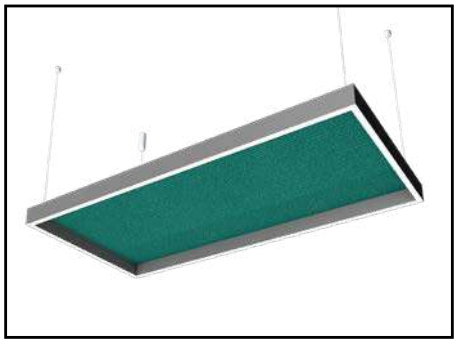
ALPHAcoustic-Perix is a new series of acoustic panels that combines acoustics with lighting. Named after the Greek word "Πέριξ" which means Around, these ceiling fixtures include a frame light in a border pattern around the acoustic panel to create a modern and bright space. They can be hung horizantally below the ceiling in order to provide complete acoustic and illuminative solutions. Due to their acoustically transparent fabric enclosure and 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:

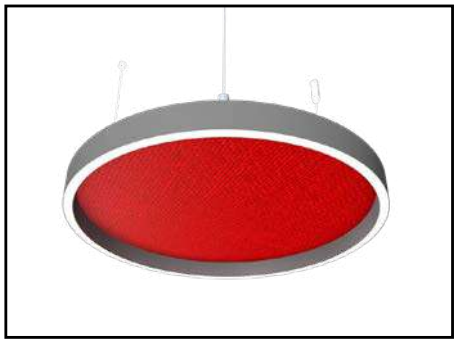
- Reception areas
- Offices
- Restaurants
- Waiting rooms
- Classrooms
- Teleconference Rooms

Perix panels come in **three** design styles with the same acoustic characteristics, but with different aesthetic profiles, as illustrated below:

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



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



ALPHAcoustic - Perix.Fos
Type: **Kiklos**

ACOUSTIC CHARACTERISTICS

ALPHAcoustic - Perix.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 - Perix.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:

- Nominal voltage 220-240 V
- Mains frequency 50/60 Hz

Photometrical data:

- Color temperature 4000 K (Cool White)*
- Color rendering index (CRI) > 80
- Beam angle 120 ° *
- Digital Addressable Lighting Interference (DALI): On request
- Dimmable (on demand)

Colors & materials:

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

Multiple-alternative options available upon request.

ALPHA AKOUSTIKI S.A. in collaboration with the best lighting manufacturers, provides a full customizable product. 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.

ALPHAcoustic-Perix.Fos can be produced in multiple dimensions and other lighting characteristics upon request.

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 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

ALPHA ACOUSTIKI S.A.
EUID: ELGEMI.004207401000

T: +30 210 6779875

info@alphacoustic.com
www.alphacoustic.com

Eco-friendly
Recyclable

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