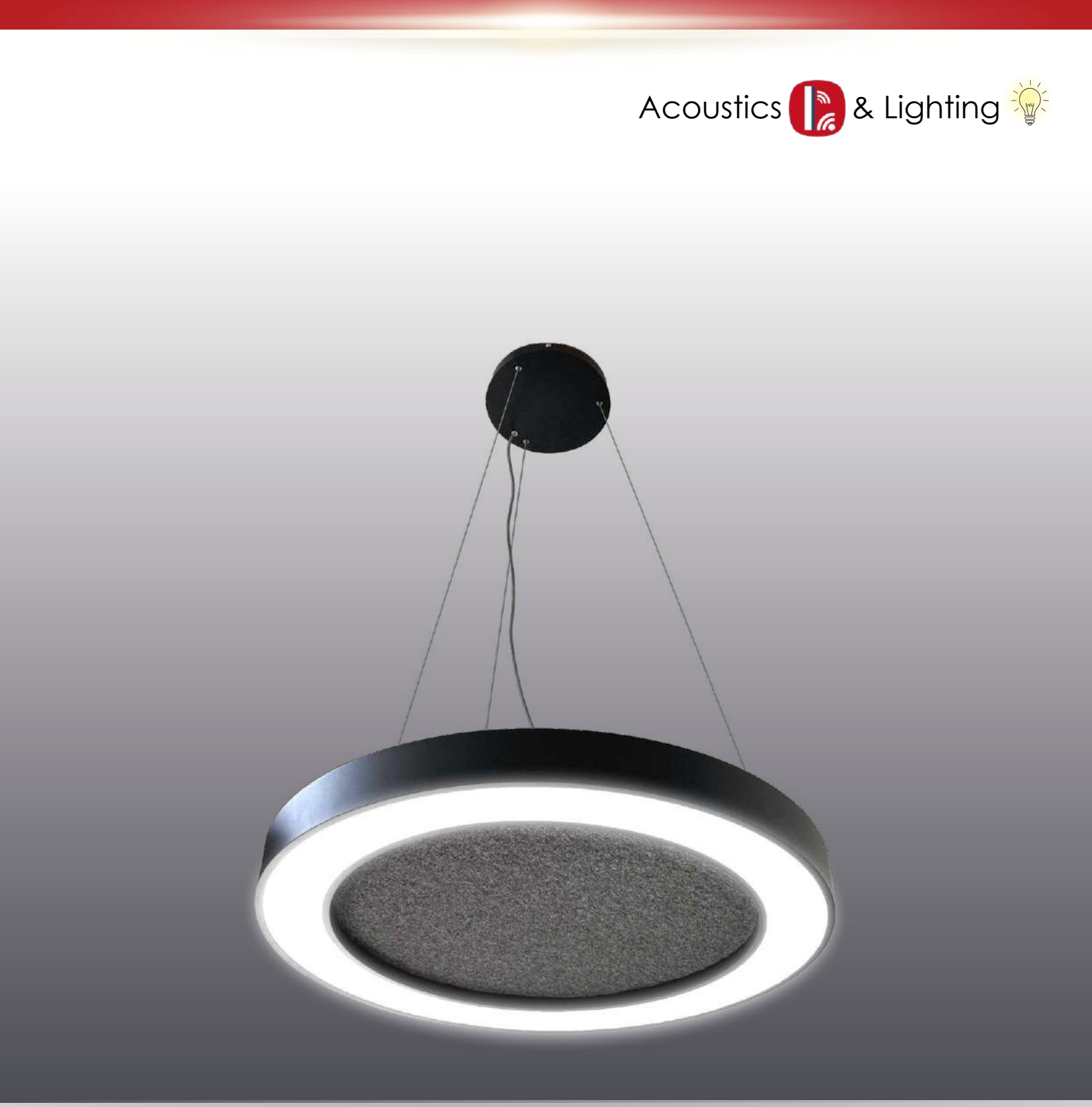
Acoustics & Lighting



ALPHAcoustic-Perix.Ring

ACOUSTIC CIRCULAR PANEL WITH PERIMETRIC RING LIGHT

ALPHA ACOUSTIKI

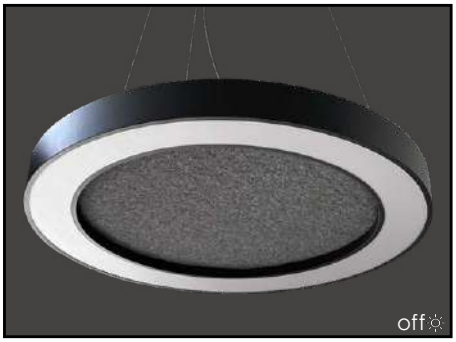
In TUNE with YOUR needs

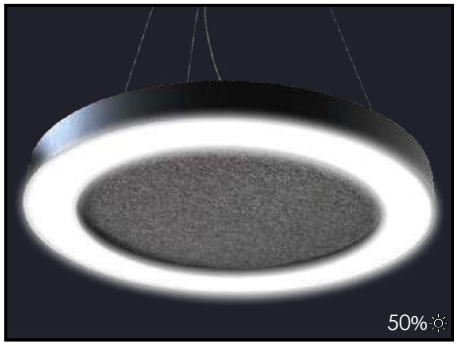
DESCRIPTION

ALPHAcoustic - Perix.Ring is a new series of circular acoustic panels that combines acoustics with lighting. Named after the Greek word "Πέριξ" which means Around, these ceiling fixtures include a circular frame light around the acoustic panel to create a modern and bright atmosphere.
They can be hung horizontally 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.

Main advantages:
- Improved acoustics
- Integrated lighting
- Combination of aesthetics and functionality
- Flexible installation

These features make the ALPHAcoustic-Perix.Ring series a compelling choice for enhancing acoustic performance and lighting in a space, while offering both functionality and aesthetics.





ACOUSTIC CHARACTERISTICS

ALPHAcoustic - Perix.Ring the main sound-absorbing element of 50 mm thickness is placed in the center of the circle. The choice of material has been made on the basis of its high sound absorption properties in a wide frequency range.

This acoustic element is covered with a special sound-permeable fabric with a wide range of color options.

Practical sound absorption coefficient (α_p), and weighted sound absorption coefficient (α_w), according to ISO 354.2003 and ISO 11654.1997,can be found in the following table, expressed in flat equivalent surface:

Type: ALPHAcoustic - Perix. Ring	**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

An acoustic/lighting study is advised to determine the optimal number and arrangement of panels. It considers the space's characteristics and desired goals for acoustics and lighting. This study ensures effective results in both areas.

LIGHTING CHARACTERISTICS

This luminaire combines architectural style with acoustic efficiency, producing perfect lighting conditions without distrurbing reflections.
The functional design of the luminaire with LED technology guarantees a long, maintenance-free service life with high luminous efficacy and energy efficiency, with the possibility of changing the luminous intensity and thermal color K with remote control.

Electrical data:

- Nominal voltage 220-240 V
- Mains frequency 50/60 Hz
- Energy consumption 75W

Photometrical data:

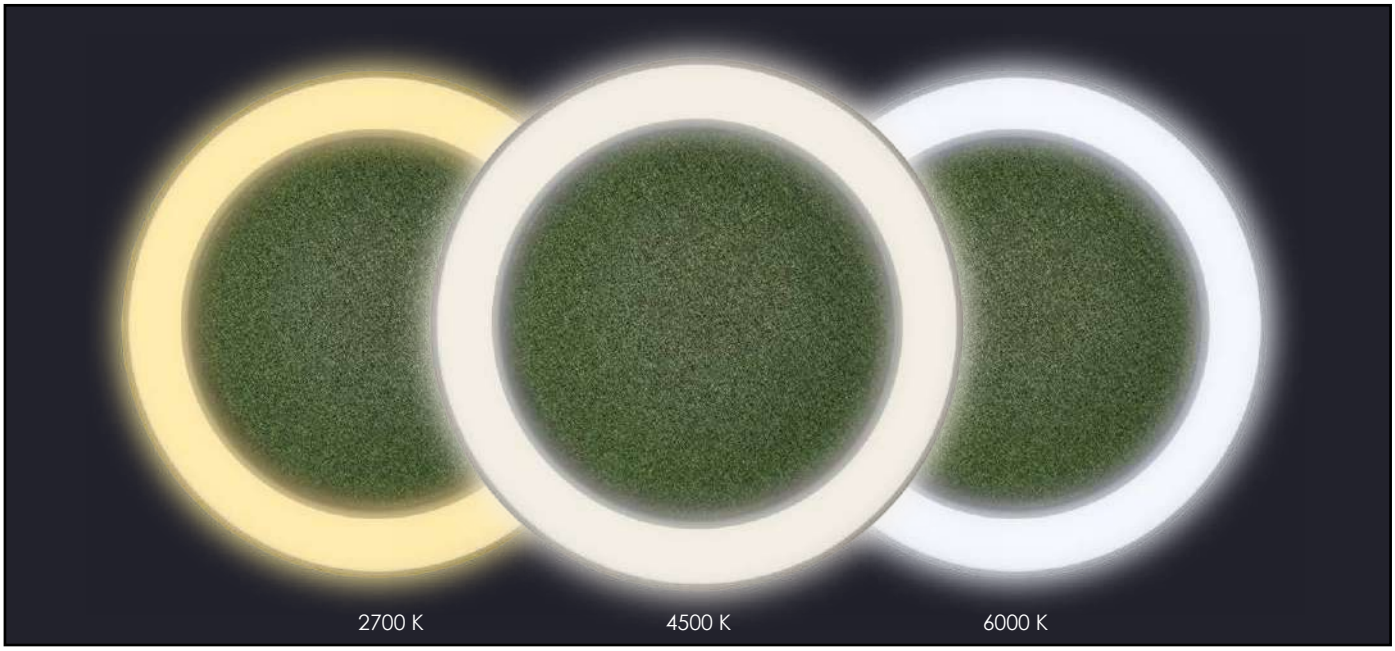
- Color temperature 2700-6000 K (CCT Changing with remote control)
- Color rendering index (CRI) > 80
- Dimmable (with remote control)
- Luminous flux 8250L m in Wide cone (120°)

Colors & materials:

- Body material Aluminum
- Housing color Black or White
- Optic/Diffuser Opal polycarbonate

Standard dimension:

- External Diameter 600mm, 800mm, 1000mm
- Height 80mm



EXTERNAL FABRIC COVERING

Acoustic panels are available with different external covering depending on the aesthetics of each project. They are available in various colours and can be self extinguished.

Please refer to our sound transparent fabric ALPHAcoustic CL collection.

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.

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

© Copyright by Alpha Acoustiki S.A. | 03-2024

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***