

[illegible]

LIGHT + SOUND + TEXTURE



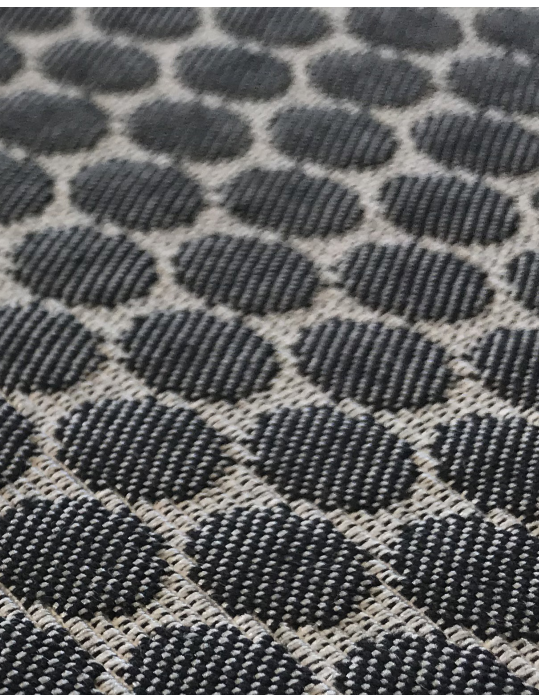
ACUSTICA identifies the new family of products designed by Metalmek Illuminazione. This is a series of professional lighting devices, integrated with high-performance sound-absorbing panels. The dual nature of the products is determined by the increasing attention of architects for the acoustic design of environments, especially in retail and office: open spaces with a high density of public. In the absence of an adequate design synergy, very often the lighting products placed within a given environment come into con-

flict with the acoustic ones.

ACUSTICA was created to solve this type of design inefficiency through an integrated, customizable and always performing solution, without compromises.

ACUSTICA guarantees, in a single product, the right amount of light and sound absorption: designed specifically for each specific application.

This is the distinctive trait of our products: **customization!**



OPTICAL DEVICE

- Spot anodized aluminum
- Opal methacrylate diffuser
- Microprismatic methacrylate diffuser

SOUND ABSORBING MATERIAL

- Low 42mm
- Medium 87mm
- High 132mm

COVER MATERIAL

- Polyester
- Recycled polyester
- Wool + polyamide

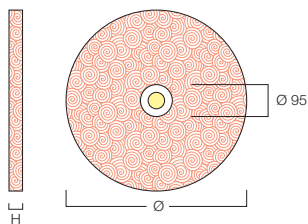
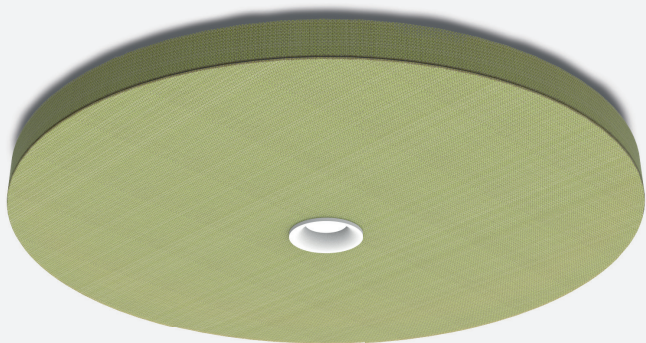
COLOR



The added value that has always distinguished Metalmek products can now also be applied to the new line of devices with integrated sound absorption. Thanks to the chosen assembly technologies we are able to modulate our new products with extreme ease: in the linear dimensions (from 200 to 3000mm), in the available thicknesses (42mm / 87mm / 132mm), in the applicable textile covering. **For each space its customized product.**

ICHOS

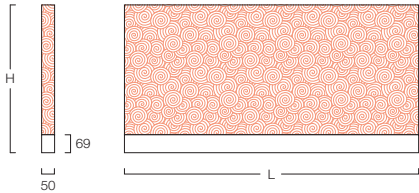
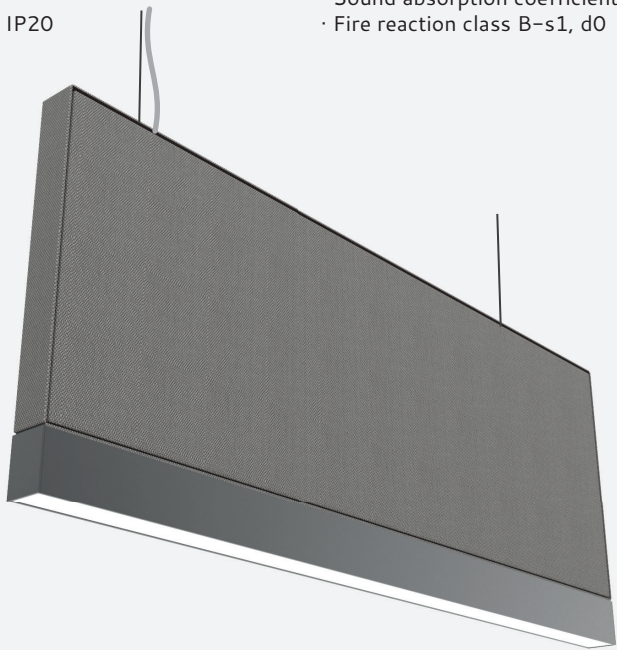
- Die-cast aluminum body
- Specular anodised aluminum reflector
- Reflector (Cut-off) in steel sheet, painted white
- Transparent glass screen
- Protection rate: IP ⁴⁴/₂₀
- Frame in extruded aluminum
- 42mm thick sound absorbing material
- Single-sided textile lining
- Sound absorption coefficient: α_w 0.85
- Fire reaction class B-s1, d0



K	lm	W	Ø	H
4000	1400	10	600	50
			800	50
			1200	50

ISICHÌ

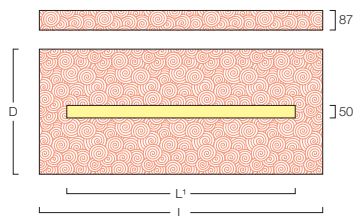
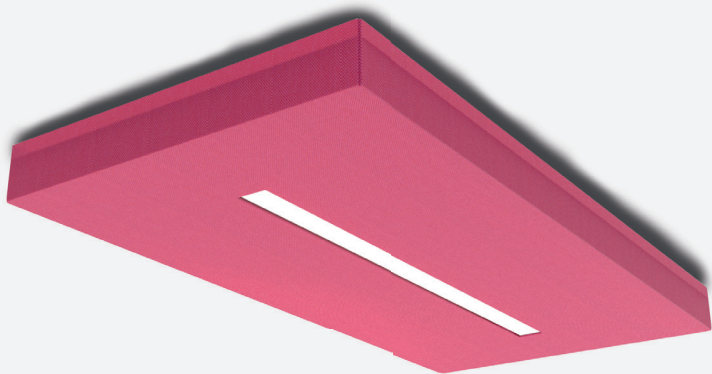
- Body in extruded aluminum
- Removable gear tray in extruded aluminum
- Injection molded plastic end-cup
- Opal / microprismatic polycarbonate diffuser
- Protection rate: IP20
- Frame in extruded aluminum
- 42mm thick sound absorbing material
- Double-sided textile lining
- Sound absorption coefficient: α_w 0.85
- Fire reaction class B-s1, d0



K	lm	W	L	H
3000	2680	16,4	1135	569
4000	2800	16,4	1135	569
3000	3350	20,5	1415	569
4000	3510	20,5	1415	569
3000	4020	24,6	1695	569
4000	4200	24,6	1695	569

YFESI

- Body in extruded aluminum
- Opal / microprismatic polycarbonate diffuser
- Protection rate: IP20
- Frame in extruded aluminum
- 87mm thick sound absorbing material
- Single-sided textile lining
- Sound absorption coefficient: α_w 0.85
- Fire reaction class B-s1, d0



K	Im	W	L ¹	L	D
3000	2680	16,4	1135	1200 ... 3000	300 ... 1200
4000	2800	16,4	1135	1200 ... 3000	300 ... 1200
3000	3350	20,5	1415	1200 ... 3000	300 ... 1200
4000	3510	20,5	1415	1200 ... 3000	300 ... 1200
3000	4020	24,6	1695	1200 ... 3000	300 ... 1200
4000	4200	24,6	1695	1200 ... 3000	300 ... 1200

ACOUSTICS

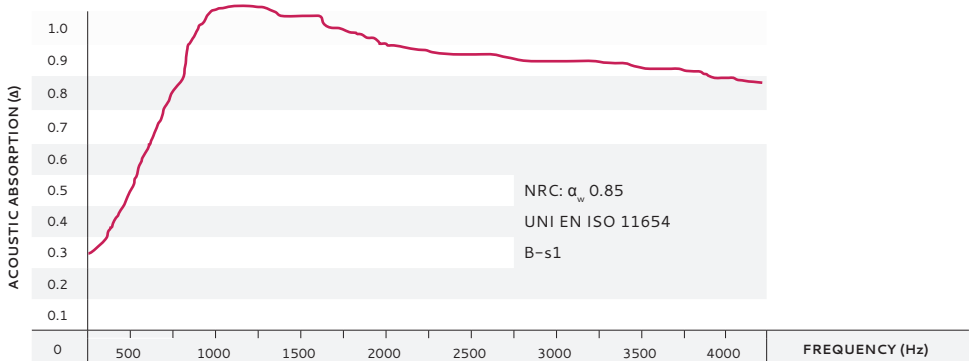
Architectural acoustics is the discipline of acoustics that deals with the generation, propagation and reception of sound within confined spaces.

The sound energy component that is absorbed by each element inside the environment represents its **Acoustic Absorption Coefficient**, that can vary between 0 and 1. If it is multiplied by the surface of the element, its "*sound absorbing power*" is obtained (absorption area equivalent).

Sound absorption is the ability of a material to absorb sound energy.

An acoustic panel is formed by a surface with high acoustic transparency and a porous filler: in this way the sound wave penetrates easily and is then dissipated inside.

The panels adopted by Metalmek are 100% Made in Italy; class A for noise absorption at speech frequencies according to the UNI EN ISO 11654 standard.





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