

- **combined lighting and acoustic solutions in the room optimise speech intelligibility and reduce noise levels**
- **absorption of unwanted sounds and reflections**
- acoustic material is part of the light
- acoustic board made of non-woven polyester fabric, thickness 50 mm
- the product meets high requirements for fire resistance, ČSN EN 13501-1:2019
- the possibility of colour and surface treatment of acoustic boards
- dimensions 600 to 1,200 mm

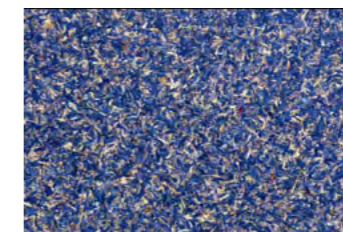


ACOUSTIC LIGHT





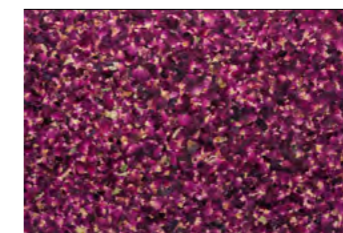
Organic decorative materials



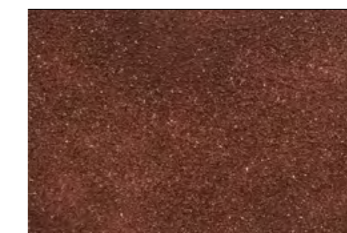
cornflower



moss



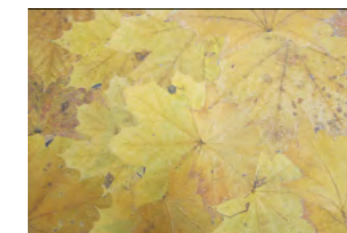
rose



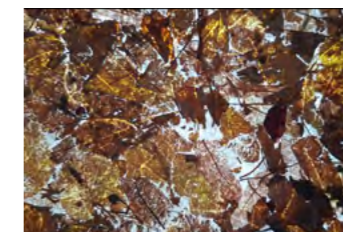
coffee



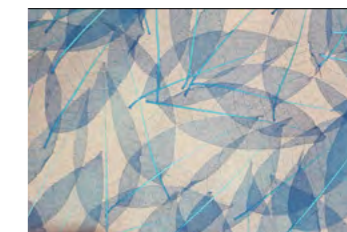
hay



autumn leaves



leaves



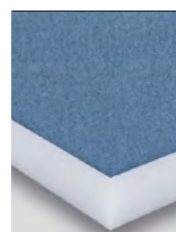
leaves

Colour variants

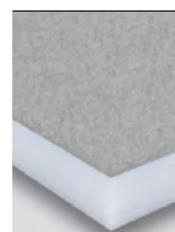
non-woven polyester fabric laminated with coloured polyester fabric



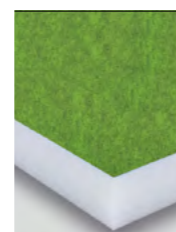
beige



blue



grey



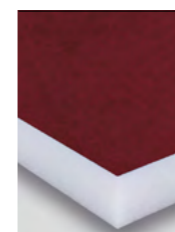
green



pink



orange



red



black



Multiline 111 CC
mounted, suspended, DI



Profile height: 111 mm
Diameter: 700, 1,200 mm
Optics: Satin, microprism
Lumens: 2,800 – 8,800 lm

Multiline 111 QC
mounted, suspended, DI



Profile height: 111 mm
Dimensions: 600x600, 900x900, 1,200x1,200 mm
Optics: Satin, microprism
Lumens: 2,800 – 12,400 lm

Multiline 111 TC
mounted, suspended, DI



Profile height: 111 mm
Dimensions: 900, 1,200 mm
Optics: Satin, microprism
Lumens: 5,500 – 11,600 lm

Multiline 111 EC
mounted, suspended, DI



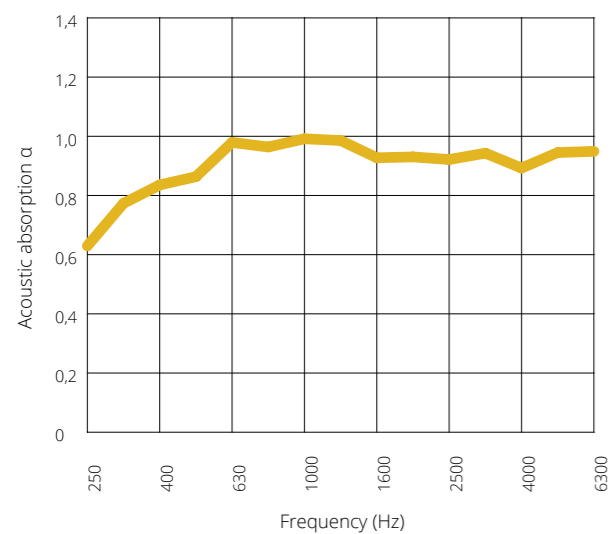
Profile height: 111 mm
Dimensions: 800x500, 1,300x750 mm
Optics: Satin, microprism
Lumens: 5,500 – 12,500 lm

Our offer includes optimal visual and noise comfort for facilities such as offices, meeting rooms, classes or canteens.

CASAMBI



Sound absorption



The way to acoustic comfort

Have you defined the space in terms of activities, number of people and construction parameters? Then it is high time to get the right acoustic solution. It will be easier for you to find your way around when you know the input parameters.

Sound propagation

Sound spreads in space. If you do not obstruct it, it will spread freely, which will cause an increase in acoustic pressure that a human individual will feel as interference. Acoustic absorbers located in lights can be such an obstacle.

Comfortable distance

The distance the call travels until it begins to be perceived at half intensity (58 dB to 48 dB). The shorter this distance, the better. Appropriately selected acoustic absorbers and their combinations can shorten the comfortable distance in the room.

Sound intensity

A combination of all sounds present in the room. When the sound level is high, it forces people to raise their voices to be heard and to overcome the surrounding noise. This phenomenon is sometimes referred to as the "café effect" and can be suppressed by ingeniously placed acoustic absorption elements, placed for example in lights which – at the same time – constitute the room design.

Resonance

Sound that bounces back. In smaller rooms and in large rooms with hard surfaces, sounds and speech are easily reflected from surfaces and create echoes that reduce speech intelligibility. Resonance can be prevented by placing the optimal number of acoustic absorbers, while the lights represent an ideal and discreet solution that can be applied to the entire area of the room.

Speech intelligibility

The ability to be heard and to understand the spoken word without having to raise one's voice. Speech intelligibility is reduced by delayed echoes and background noise caused, for example, by office equipment or air conditioning. Acoustic absorbers located in suspended or mounted lights in combination with absorbers located in wall-mounted lights will make it possible to create a room with high intelligibility of the spoken word.

All acoustic parameters are based on ISO 3382-1, ISO 3382-2 and ISO 3382-3 standards.