

The Light Cloud

Hanging sound absorber.



The Ilmava Valopilvi "Light Cloud" is an excellent solution to the problem of unwanted noise in open plan offices and high spaces. The acoustically effective "light cloud" significantly lessens the level of noise experienced by anyone sitting under it. It also helps shorten the time that sound reverberates in the space. LED downlights incorporated into the cloud provide a new energy efficient way to light the space.

Construction

- Single acoustic panel for fixing above a desk, for example. MI-merkki
- 4.5 cm thick panel, available in sizes up to 80x120 cm. Different shapes.
- Acoustic clouds are upholstered using 100% recycled fabric (Convert 2000).
- pressed and shaped to form on both sides.
- The edge is finished with a fabric edging strip.
- Optional holes for installing LED downlights

Materials

Products are ecologically manufactured using natural and recycled materials

All materials used are safe for indoor air quality and fire resistant.

LED Downlight (Optional)

- The amount of light depends on the type and number of LED downlights fitted.
- Light clouds are available with or without LEDs.
- When ordering without lights, select size based on the diameter and number of hole/s required.

- LED downlight supplier and specifications subject to change

Installation

- Attaches to the ceiling in horizontal position with three cables. Vertical version available.

- LED downlights are fitted into holes in the cloud.

- A hidden transformer is fitted and connected to the LEDs.

- Electricity supply to the transformer is from above via the ceiling light connection.

Sound Absorption Class, ISO 11654

The Yeseco Ilmava light cloud is particularly effective in lowering the level of unwanted noise and reverberations caused by office conversations.

Close to ceiling, one side attenuates: Sound Absorption Class A, α_w 0,95

125 Hz: 0,30 1000 Hz: 0,90

250 Hz: 0,75 2000 Hz: 0,95

500 Hz: 0,95 4000 Hz: 0,95

Far from the ceiling, both sides attenuate: Sound Absorption Class C, α_w 0,65 (H)

125 Hz: 0,20 1000 Hz: 0,85

250 Hz: 0,35 2000 Hz: 0,95

500 Hz: 0,70 4000 Hz: 1,05



Cloud formfactor without hole for LED light. Sizes 120 cm x 80 cm and 80cmx60 cm



Rectangular formfactor. Sizes 120 cmx80 cm and 80 cmx60 cm



"Egg" formfactor with three LED-lights. Size 120 cm x80 cm



Cloud formfactor with two LED-lights Size 120 cm x 80 cm. Smaller 80cmx60 cm is size for one LED-light.

One acoustic material used in Ilmava clouds is hemp fibre. It received an honourable mention in the INNO-SUOMI awards 2010.