

Omni Cloud Series
Acoustic Lighting

OMNI

Omni Cloud

Why Acoustics Lighting?.....1

APPLICATION

- Open Office2

- Conference Room3

- Restaurant4

- Aviation5

SPECIFICATION

- Shapes and Configurations6

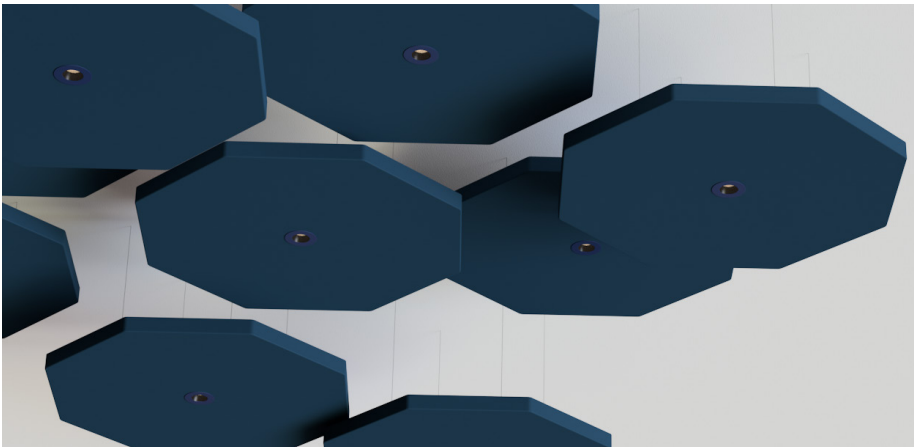
- Color Options7

- Speakers8

Panel Comparison9

Why Acoustic Lighting?

A silent environment is a basic human need, yet we are continuously exposed to noise. An estimated 21% of adults have difficulty following a conversation amid background noise. The acoustics of an environment impacts productivity, quality of interactions and stress levels.



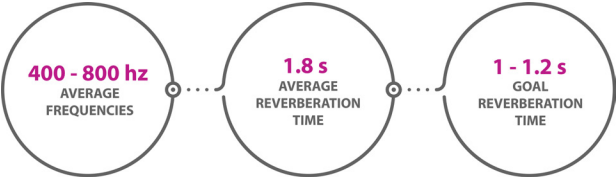
Balanced space acoustics improve the ability to concentrate by reducing distractions and stress. By decreasing indoor noise levels and improving speech intelligibility, along with sound privacy, the acoustic design of a space are known to impact the quality of human engagement and general well-being.

Open Office



Acoustic challenges are evident in open-plan offices, where a distraction takes an average employee 25 minutes to get back on task and another 8 minutes to return to their original concentration level. Office interactions and phone conversations require speech intelligibility while the remaining employees must be able to focus on their work without distractions.

Sound comfort is achieved with a well-balanced acoustic design. Distracting sounds are absorbed to reduce reverberation and sound masking is used to reduce noise distractions, both of which promote concentration. Studies show that when distractions were reduced, 75% of employees became more productive, 57% were more motivated and 49% became happier at work.



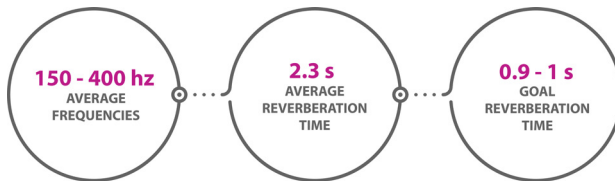
Reverberation time - the time required for the sound in a room to lower over a specific dynamic range.

Conference Room



Conference room acoustics should enable employees to hear without straining, which is especially true for phone and video conferences, where reverberation produces unwanted feedback. The use of acoustic panels directly above the conference table has been found to improve speech intelligibility.

Sound masking ensures that private discussions remain private. Sound masking, with a background frequency of 150-400 hz, prevents eavesdropping, both intentional and unintentional. Meetings are kept private and within the conference room.



Restaurant



In a restaurant environment, sounds come from every direction, between the kitchen, the bar, and the patrons themselves. Acoustic panels reduce the spread of table conversations while sound masking creates a bubble around the tables, keeping discussions private. This allows patrons to feel more comfortable in their own spaces while still maintaining the restaurant experience.



Aviation

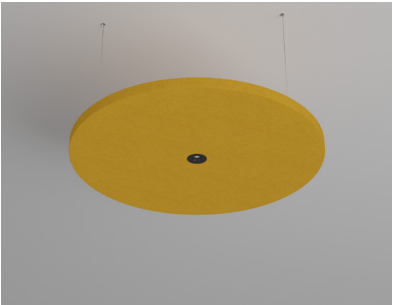


Travelers experience discomfort, stress and headaches as a result of long layovers combined with excessive noise and a lack of privacy, such as during phone calls.

Acoustic panels eliminate reverberations caused by high ceilings, smooth surfaces, and functional furnishings, while sound masking is necessary due to incessant airport noise such as idle chatter, luggage noise and repetitive announcements.



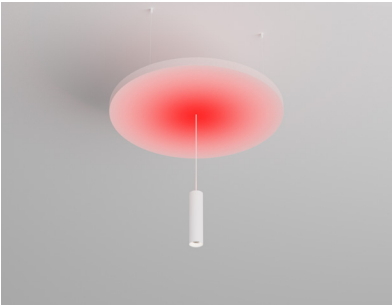
Shapes and Configurations



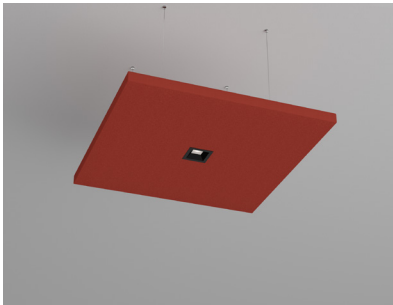
Omni CC



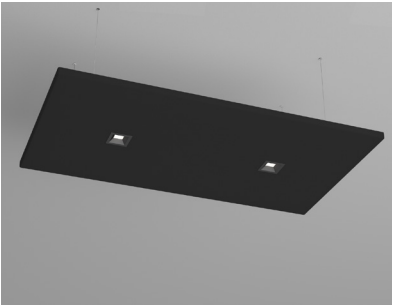
Omni CO



Omni CP



Omni CS



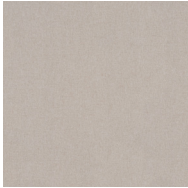
Omni CR



Omni CH

Color Options

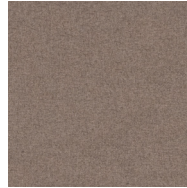
Panel colors play an important role in achieving a designers vision. The acoustic clouds come in varying shapes, such as round, square, hexagon, octagon and rectangle, and a variety of sizes, providing over 10 million customizable options.



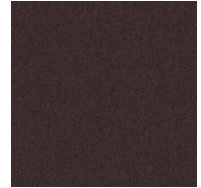
CM: Creme



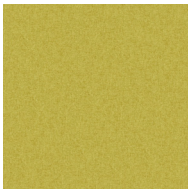
AL: Antelope



MB: Medium Brown



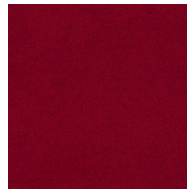
BW: Brown



YD: Yellow Green



YG: Yellow Gold



DR: Dark Red



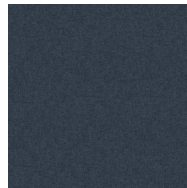
WN: Wine



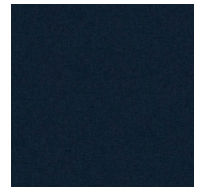
BS: Blue Stone



TQ: Turquoise



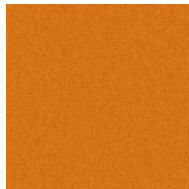
BL: Blue



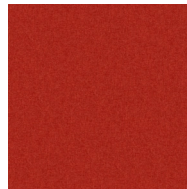
NV: Navy



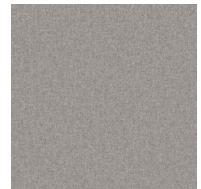
SP: Snap Pea



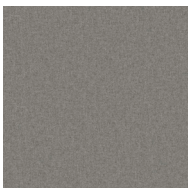
TG: Tangerine



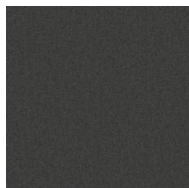
FL: Flame



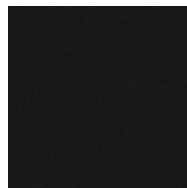
LG: Light Grey



MG: Medium Grey



CK: Charcoal



BK: Matte Black



CC: Custom Color



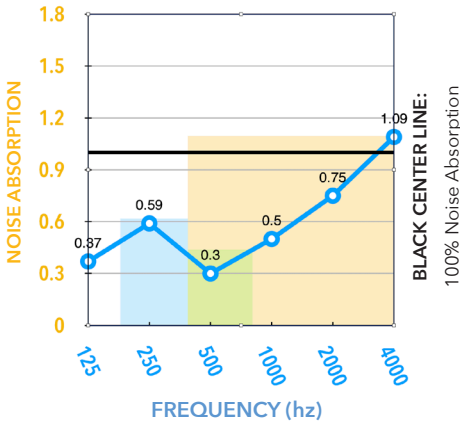
Speakers

The Omni acoustic panels are 2" in depth, precisely designed for optimal absorption. The core is made of white recycled polyester and covered with premium brushed flannel.

The Omni Cloud allows for an active acoustic treatment with speakers concealed behind the fabric. This enables streaming of your favorite background music as well as noise generation for sound masking. The same sound can be replicated in multiple rooms using multi-room technology.

Commercial Acoustic Tiles

- NRC (Noise Reduction Coefficient) = 0.55
- Mineral fiber
- 5/8 inches thick
- Only available as surface mounted.



HVAC
155 Hz



Voice
255 Hz



Traffic
1000 Hz



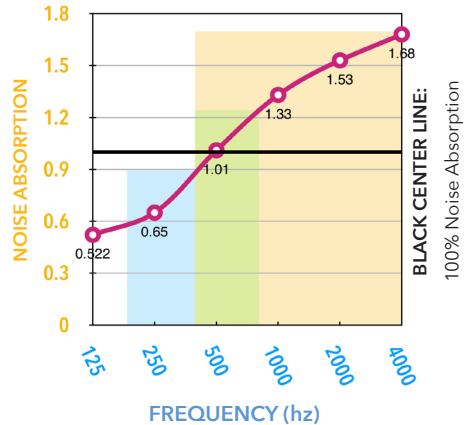
Ringtone
2000 Hz



Airplane
3500 Hz

Zaniboni's Acoustic Panels

- NRC (Noise Reduction Coefficient) = 1.12
- White recycled polyester – one Omni panel = 357 reused plastic bottles.
- 2 inches thick
- Pendant mounted increases noise absorption by 30%.





Omni Product Page



Acoustic Calculator

For inquiries, contact us at omnipm@zanibonilighting.com

ZANIBONI[®]
LIGHTING

101 North Garden Avenue, Clearwater, Florida 33755

info@zanibonilighting.com +1.727.213.0410

Copyright © 2022 Zaniboni Lighting