



ACOUSTIC LIGHTS PRODUCT CATAGLOUE



LINEAR EDGE

CUBOID

SILENCE

LINEAR EDGE - SLIM

FLIGHT



STANDING FLIGHT



TABLE FLIGHT



CRUBED



Acoustic Lights

A quiet environment is the basic demand of human being. Yet, we are exposed to noisy environment all day long from the alarm clock in the morning and sizzle talking in the office.

From this perspective, in the modern office, interior acoustic lighting are the best solution for employees and play an important role to enhance working efficiency and productivity for the organisation to consider. Study shows that acoustic lights can help to reduce the echo and noise in the office areas that may affect productivity and the quality of the communication and personal health.

Acoustic lamp is a kind of lighting fixture we create with acoustic material on the basis of our regular light. In addition to meet the requirement for the office lighting, Accoluxx offers different colors to choose to meet the demand of different space design, thus offering professional lighting effect while improving the quality of acoustic environment of the space.

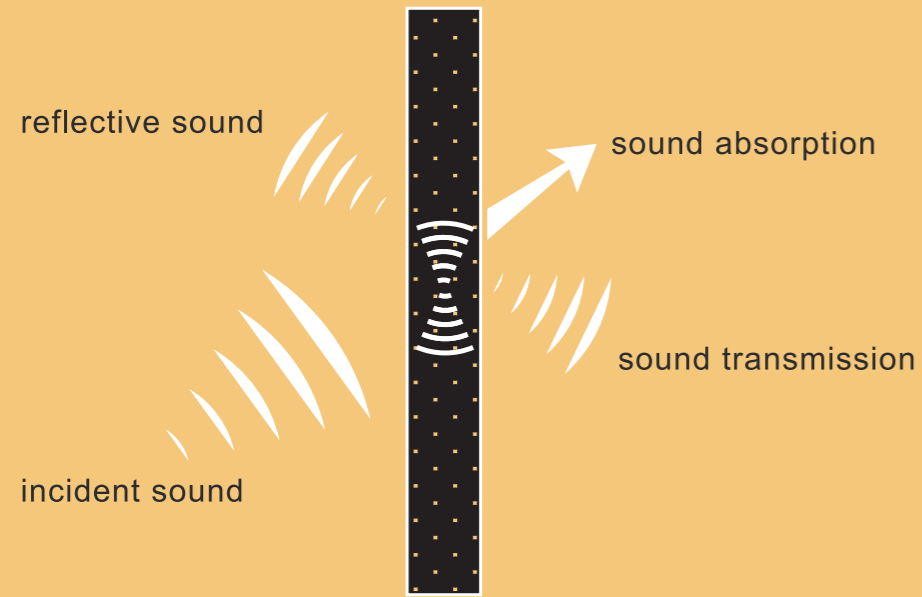


Sound Disturbance

- A tranquil environment is the basic demand of humanbeing. Yet, we are exposed noisy environment all day long from the alarm clock in the morning to the sizzle talk inthe office.
- People think that lighting and interior acoustics are the most important factors in the working efficiency. Study shows that acoustic effects in the room may affect productivity, the quality of interpersonal communication and personal health.

Sound Absorption

- Reducing reverberation time: reverberation time is always reducing with the increase of the total absorption, the acoustic material increase the total absorption of the room, thus dramatically reducing the reverberation time of the environment
- Reducing environmental noise: the sound energy from the incidence of noise to the absorption material would be mostly absorbed, thus reducing the total noise of the room.
- Improving speech intelligibility: the absorption material reduces the reverberation time and the reflection sound of the room, greatly reducing the disturbance of reverberation and reflection sound, thus improving the speech intelligibility of interpersonal communication.



Principles of Sound Absorption

- Viscosity resistance energy consumption: when the sound wave passes the material surface and causes air vibration in the internal gap, the air and the object will generate relative motion. Due to the viscosity resistance generates by air viscosity, the kinetic energy constantly transformed into thermal energy, thus reducing the energy attenuation of sound wave.
- Heat exchange energy consumption: when the sound wave passes the material surface and causes temperature rise due to adiabatic compression of air, the heat exchange and heat conduction with the porous material will also attenuate the sound energy.
- Notes: the sound absorption is generally used to reduce the reflective sound of the interior noise, and it is not working against direct sound.