

# GLS-SPA

Acoustic Product

## Avoid Sound Interference :-

It is considered that optics and room acoustics are the most important factors determining their efficiency at work. Studies have shown that the sound effects of a room have an impact on productivity, the overall quality of interpersonal communication, and personal health.

## Reduced reverberation :-

The reverberation time decreases with the increase of the total sound absorption. The sound absorption material increases the total sound absorption of the room, thereby greatly reducing the reverberation time of the environment

## Reduce environmental noise :-

When the noise emitted by the noise source is incident on the sound-absorbing material, most of the sound energy will be absorbed, thereby reducing the total noise of the room.

## Improve speech intelligibility :-

The sound absorbing material reduces the reverberation time of the room, and also reduces the reflected sound, which greatly reduces the interference of reverberation and reflected sound, thereby improving the speech intelligibility between people.

# Why Acoustic ?



# Acoustic principle

## Viscous drag energy consumption :

When sound waves pass through the surface of the material and cause the air in the gap to vibrate, relative motion occurs between the air and the solid meridians. Due to the viscosity of the air, the corresponding viscous resistance causes the kinetic energy of the vibrating air to be continuously converted into thermal energy, thereby attenuating the sound wave energy.

## Heat exchange energy consumption :

The adiabatic compression of the air occurs when the sound waves pass, and the heat exchange and heat conduction with the porous material also attenuates the sound energy.

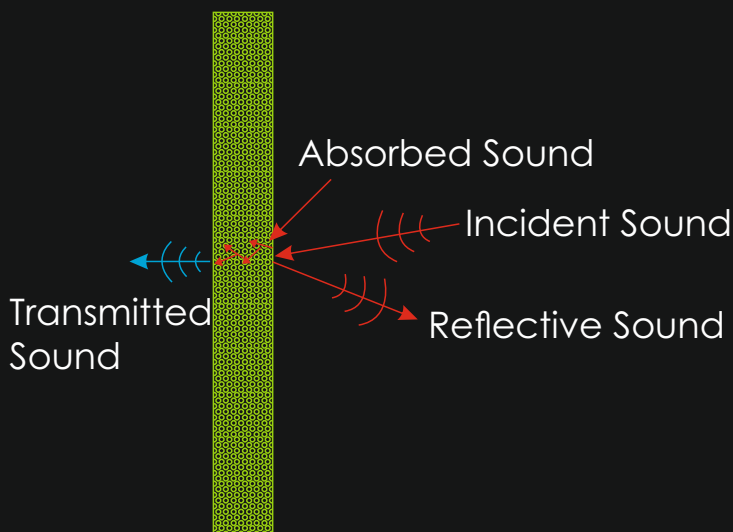
## Attention :

Sound absorption is generally used to reduce reflected sound in indoor noise, but it has no effect on direct noise.

# How Acoustic?



Acoustic Material





# The Trend of Acoustic

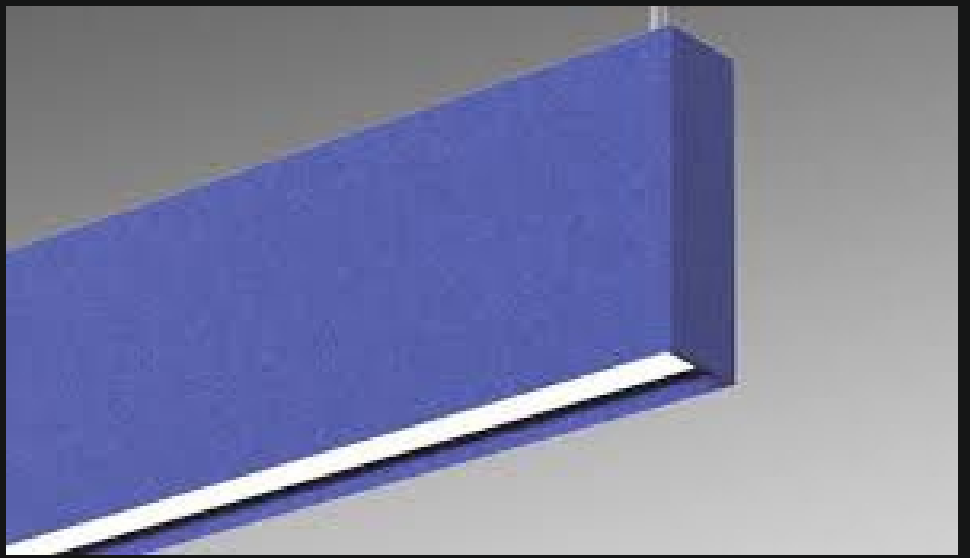
Adding elements of sound-absorbing materials on the basis of lamps and lanterns adds a sense of design, provides a variety of color matching options to meet different space design requirements, and provides professional lighting effects while improving the quality of the space's acoustic environment.

More and more sound-absorbing lamps are placed on the Red Dot Awards. It can be seen that more and more designs focus on the environmental acoustics of the office

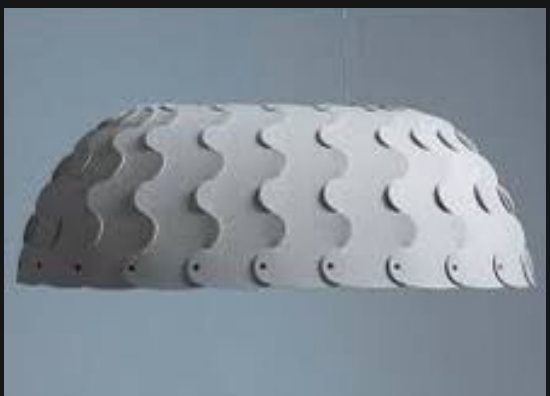
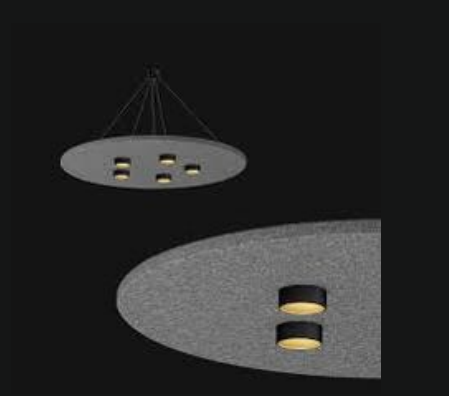
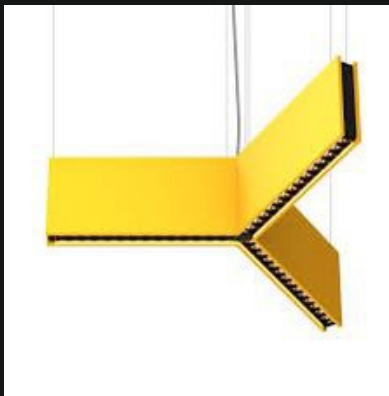
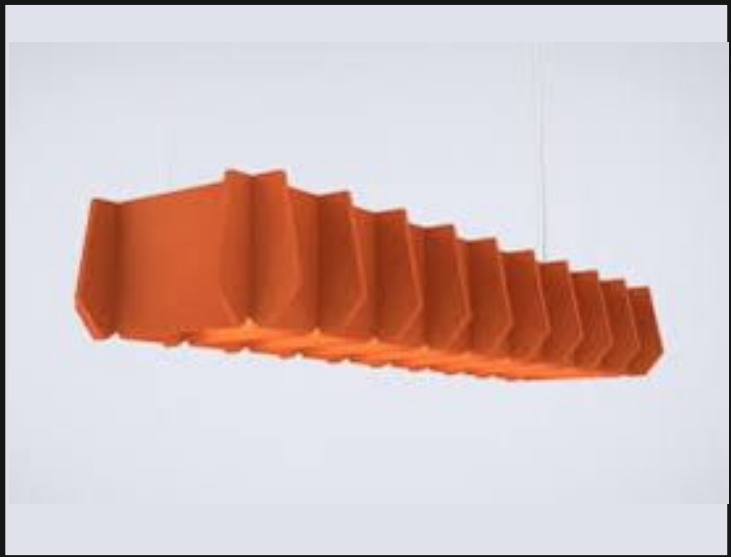














# Thickness :- 3mm / 8mm / 9mm / 12mm





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