

spatial field acoustic system  
Russian technology

# VALANCON

cylindrical wave - circular direction - point emitter

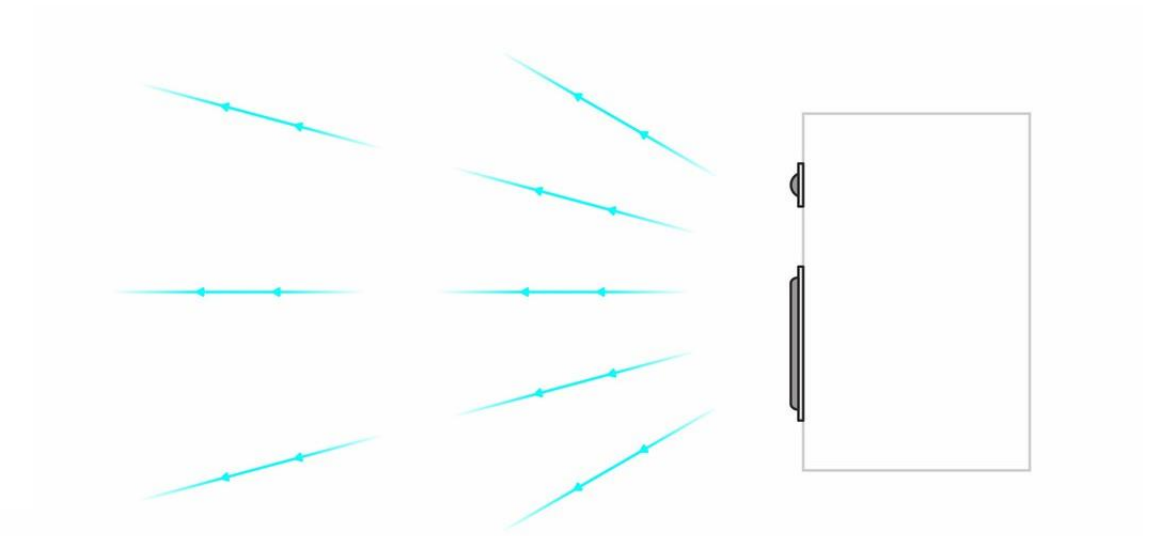
# technology

## SOUND PROPAGATES SPHERICALLY

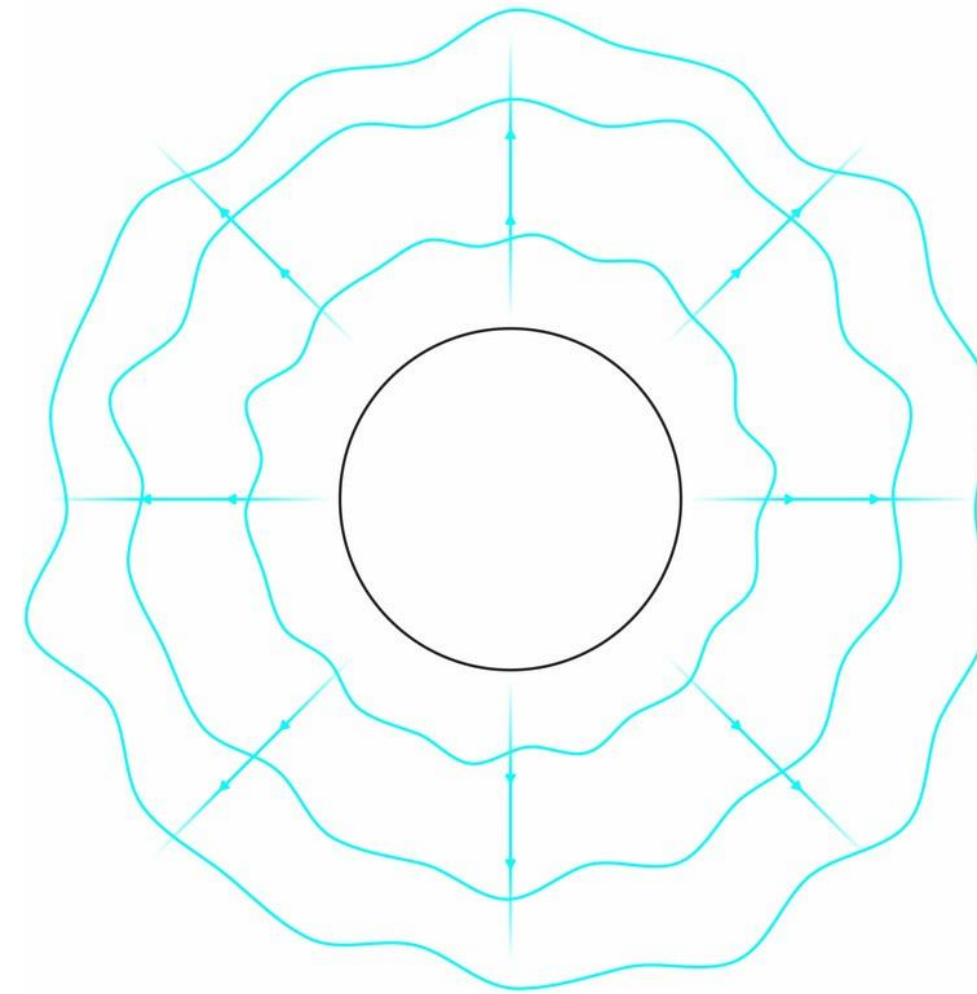
A cylindrical wave is created that evenly distributes sound pressure throughout the room,

in contrast to classical vector systems, which direct energy to one point. Thanks to our technology, sound is heard at almost the same volume anywhere in the room.

Even in rooms with partitions and complex geometry.



vector  
acoustics



spatial  
acoustics

# Room acoustics

In an unprepared “humming” room  
our systems sound better than classic ones.

this makes them a good solution for sounding exhibitions,  
conferences, museums, installations, and retail spaces.

How it works?



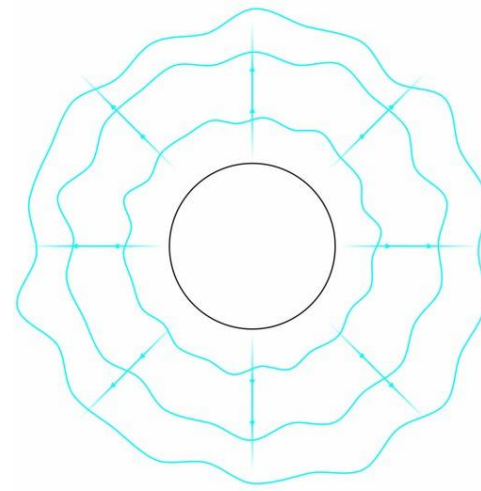
# Room acoustics

Due to the uniform distribution of energy, spatial monitors are not so demanding to the acoustics of the room.

Many problems with sound intelligibility are eliminated.

This allows you to significantly reduce the cost of acoustic finishing the space, simplifying installation and install Valancons almost anywhere.

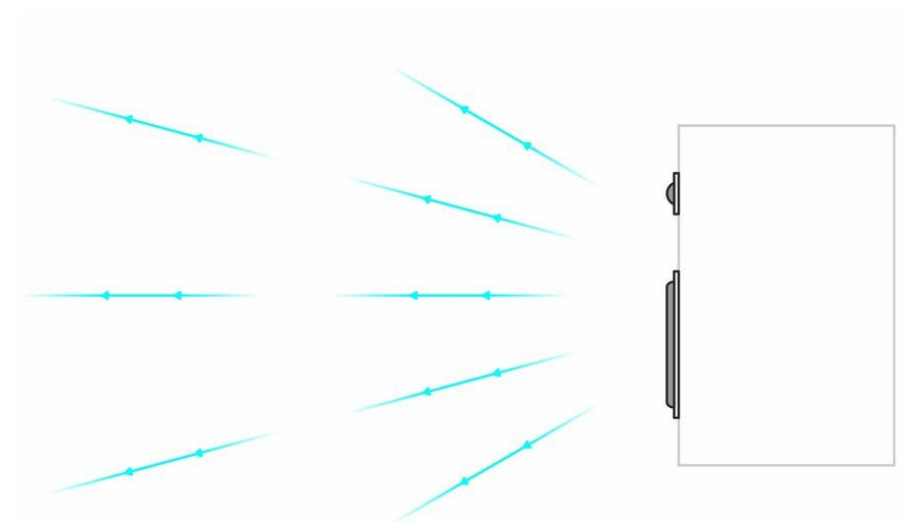
# The nature of hearing



All sound sources  
in the surrounding world - point

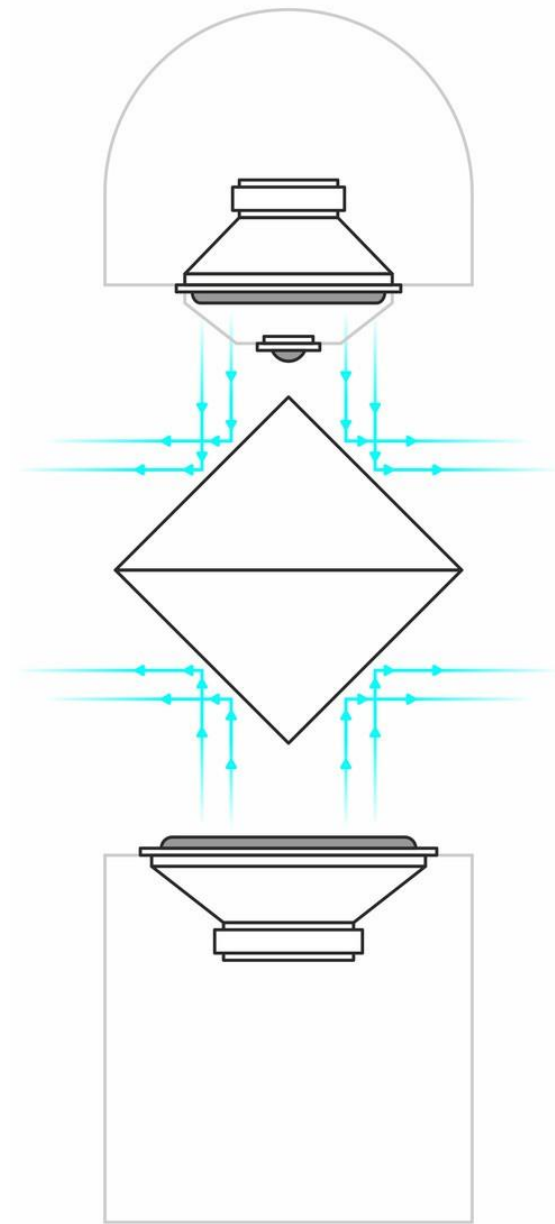
Most sound sources study scalar  
pressure

Our perception of sound  
configured for such sources



However, classical systems emit vector  
(directional pressure)  
and are not a point source of sound, and this  
is not natural for the human auditory system

# Varieties designs



floor-standing three-way system

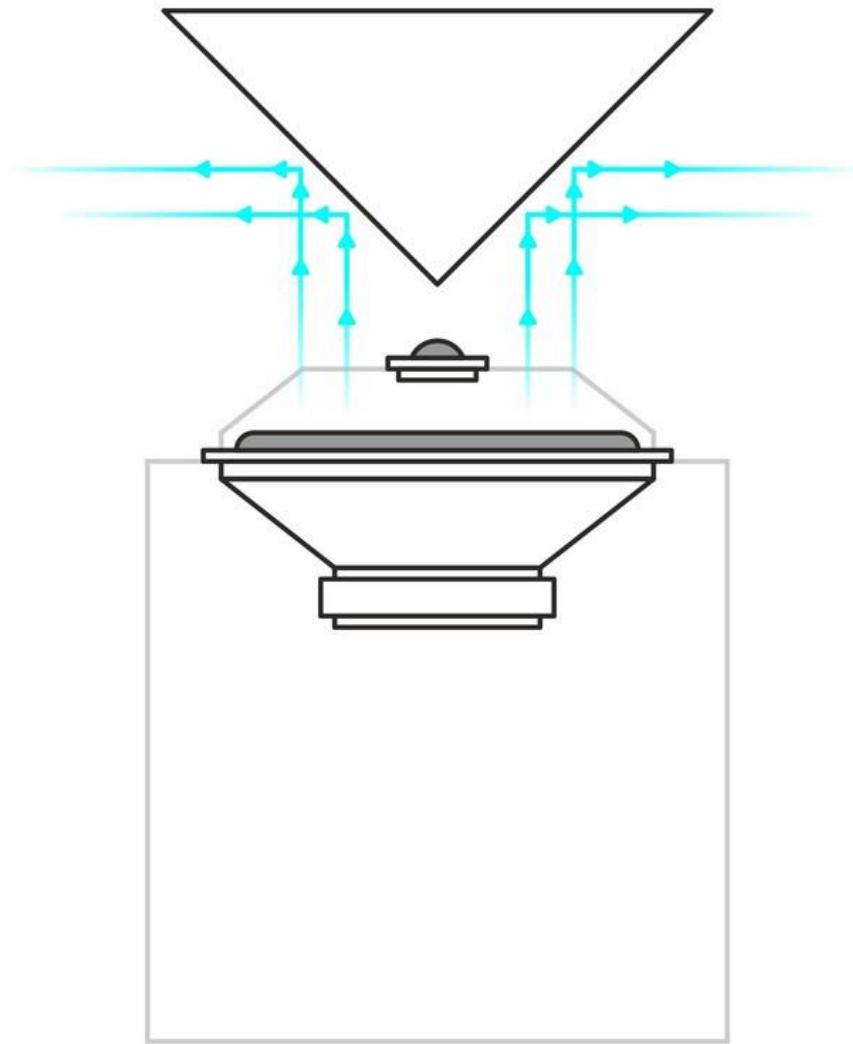
**THE SPEAKERS ARE LOCATED OPPOSITE EACH OTHER AND ARE DIRECTED IN A CONE**

WOOF SPEAKER LOCATED AT THE BOTTOM

MID-FREQUENCY AND TWEETER SPEAKER AT TOP

The speakers are directed into cones, thus forming a point source of sound and a cylindrical wave.

# Varieties designs



two-way systems

## TWO-PART SPEAKER USED

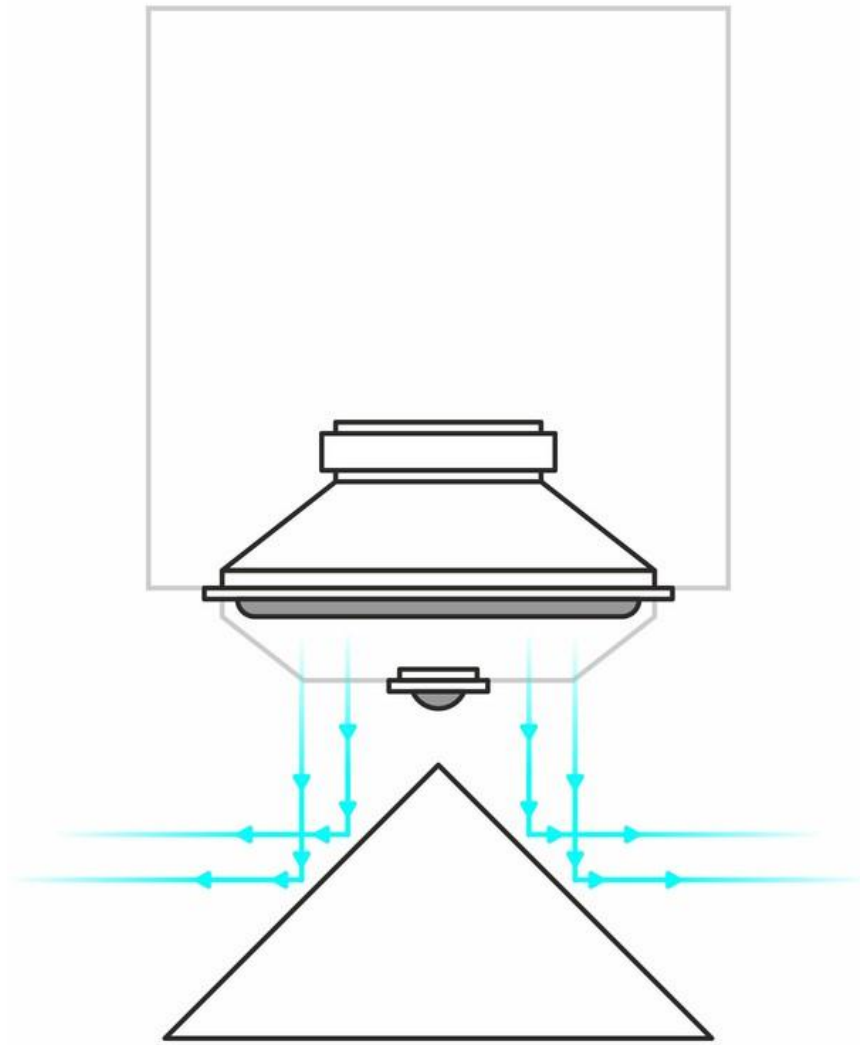
### BELOW AND 1 CONE

ALL OUR SYSTEMS ARE CYLINDRICAL FORM, BECAUSE IT IS MORE EFFECTIVE TO WORK WITH PRESSURE INSIDE THE CASE.

CLASSICAL SYSTEMS HAVE CUBIC FORM, WHY YOU HAVE TO MAKE RIGID BODIES AND A LARGE NUMBER OF CORNERS AND JOINTS - THIS IS MUCH MORE EXPENSIVE WITH THE SAME SOUND PRESSURE.



# Varieties designs



single-strip ceiling systems

**HAS A MUCH SMALLER SIZE USING ONE SPEAKER AND ONE CONE**

The model is intended for use on stream in retail spaces, halls, restaurants

Thanks to the cylindrical body, Valancon is louder than other ceiling systems.

Due to the high volume and spherical sound distribution, less equipment is needed to sound the room. And the sound will be cleaner, lighter and more transparent, filling the entire space evenly.



# Which Problems decides Valancon

**1**

**Reduces costs for acoustic finishing premises**

creates excellent sound quality, evenly distributing energy

**2**

**Reduces the amount equipment indoors and simplifies installation**

due to good volume and coverage area, you will need much fewer systems for sound large room

**3**

**Tone and attention**

Thanks to natural high-quality sound, the audience will not miss a single word or nuance. "Gulgost" and echo is significantly reduced.

**4**

**The size of the hall does not matter.**

Thanks to scalar pressure, volume is less dependent on distance. And in the last row you will hear just as well as in the first. And the first one will not go deaf)

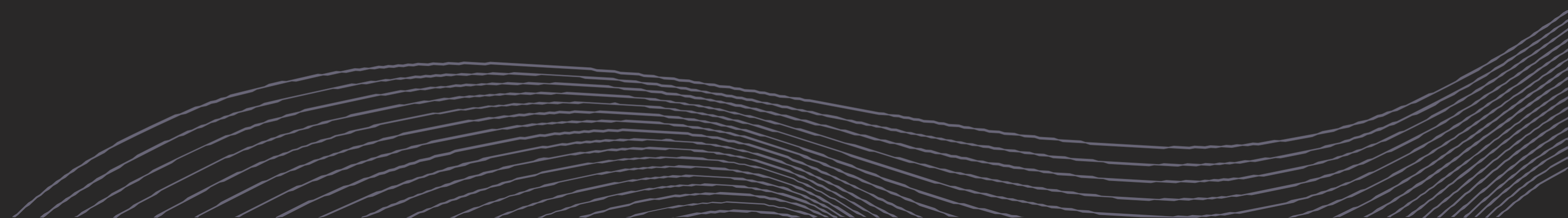
**5**

**Install systems where it is convenient for you.**

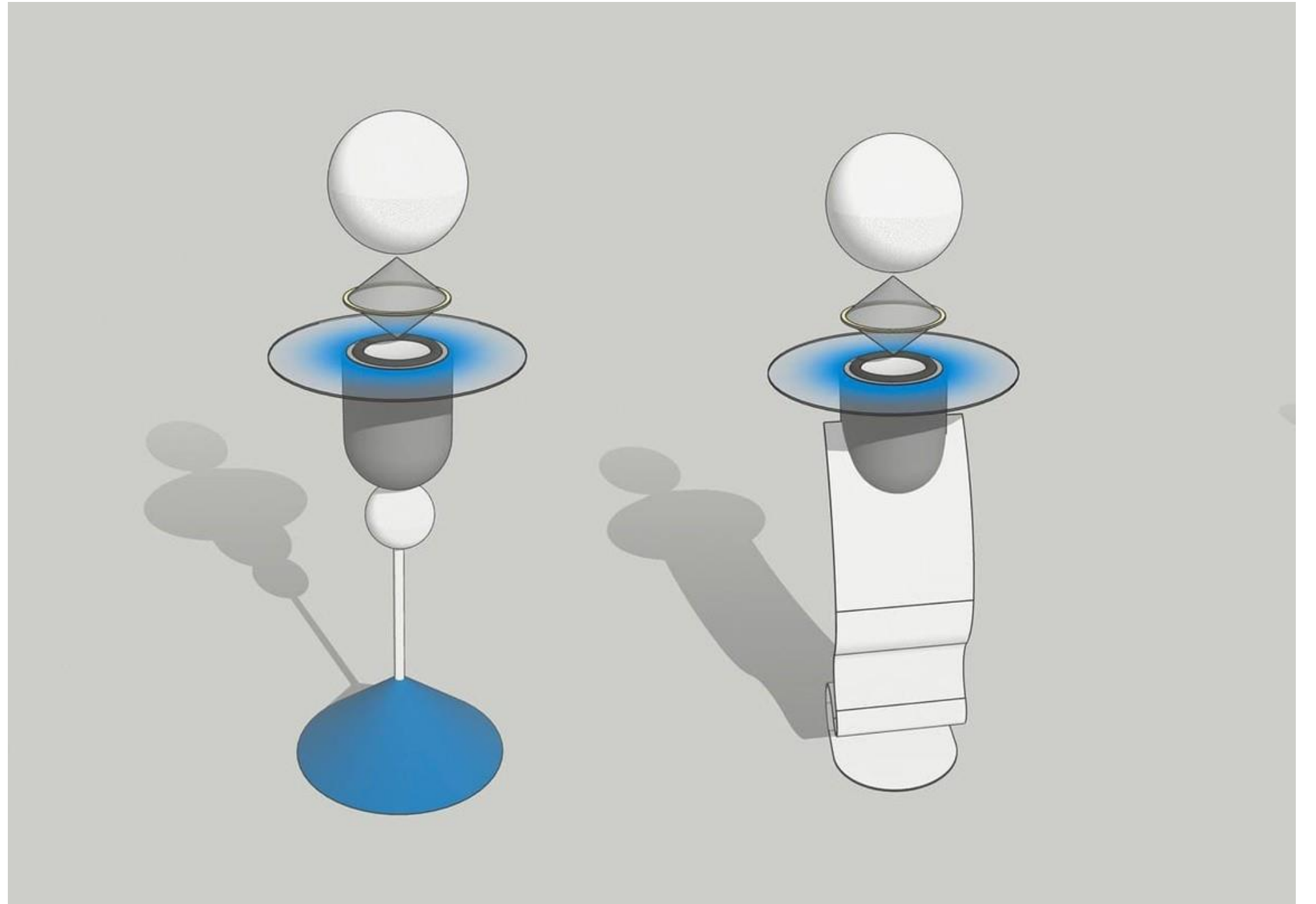
Valancons are omnidirectional. Therefore, they do not require special installation conditions.

# Gallery

Our models are assembled by hand.  
We are confident in their quality and can create  
any design to suit your interior.

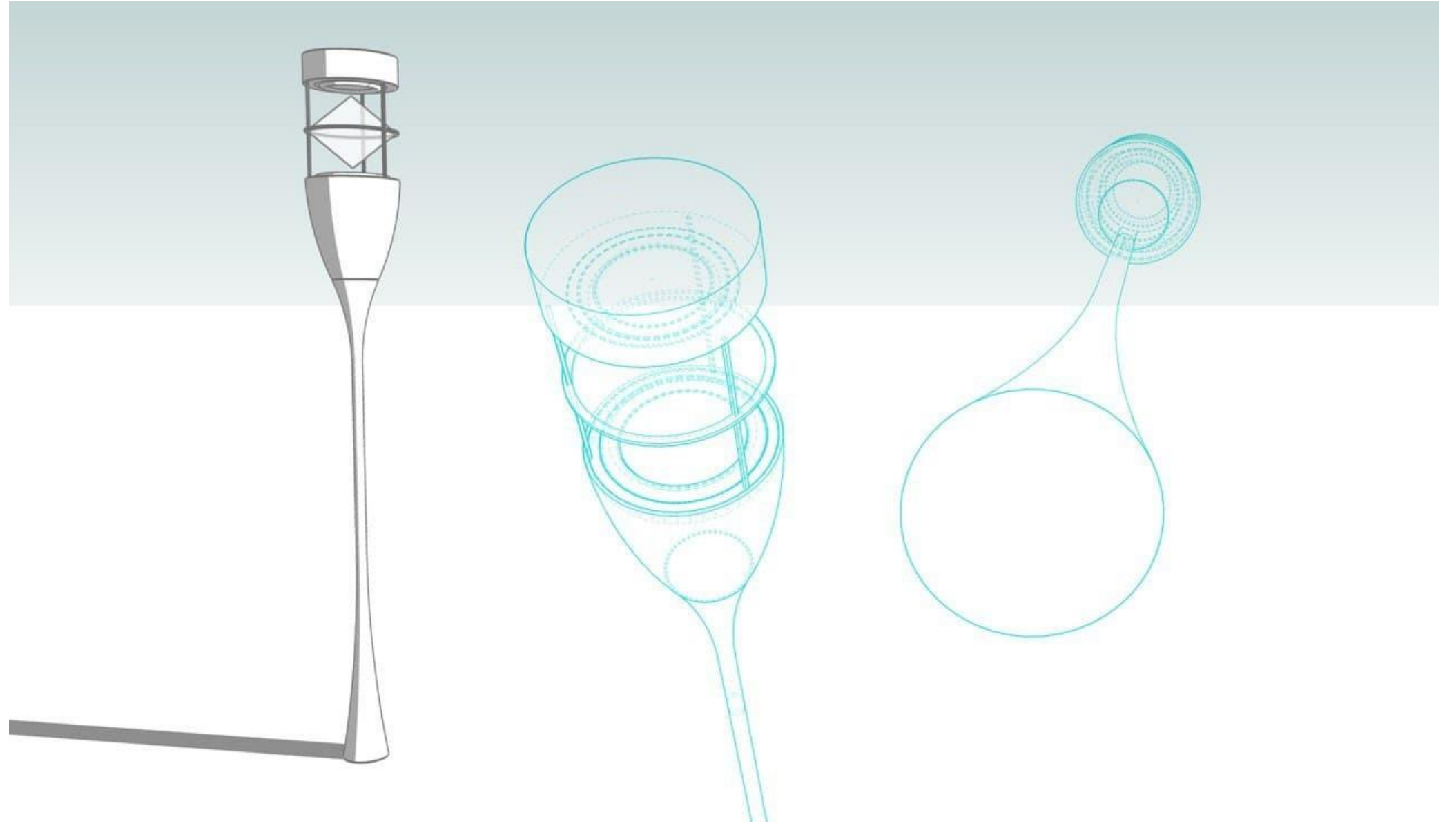




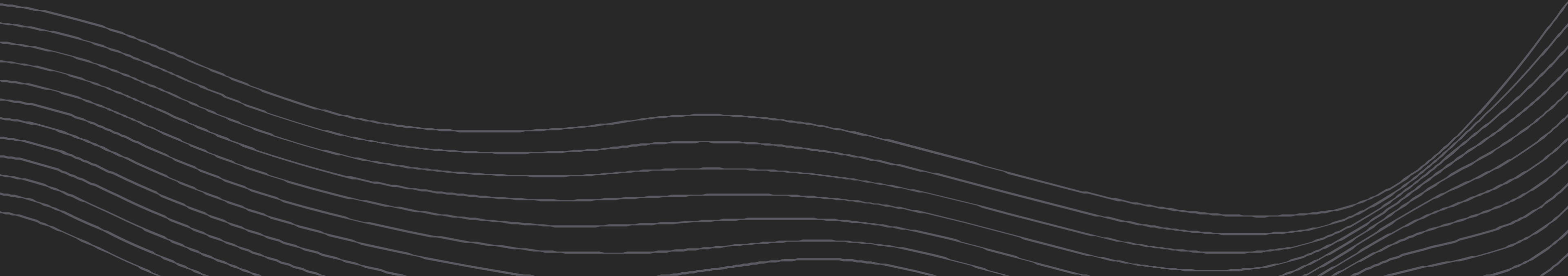








# Specification





# Floor two-lane system in fabric - ACC 25



Active, two-way 90dB, analog amplifier 80W, 38  
– 19500 Hz

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Size 130cm, diameter 25cm, stand 32cm

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Inputs RCA, Jack 3.5mm

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Fabric and coloring of your choice. It is possible to  
make any drawing. Does not require acoustic  
treatment, excellent localization.

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# Ceiling system



Passive, single-way system

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P160 Ø 250mm;

Ø 160, Height 230.

86 dB, 40 W, 75 – 19000 Hz. Pool version is  
being calculated

(moisture resistance)

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Fabric and coloring of your choice. Possible to do  
any drawing. Does not require acoustic  
treatment, excellent localization.

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# Three-way

systems according to

individual  
order.

We make beautiful systems,  
amplifiers, racks and switching for  
order for specific tasks and interior.



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