

CS506 EN

EN54-24 Certified

Ceiling Speaker



CS506 EN is an EN54-24 certified, powerful ceiling speaker. It is designed to be used in areas such as buildings, schools and factories where public announcement, emergency evacuation and background music solutions are subject to regulations. It is dust and water resistant in accordance with IP21 class.

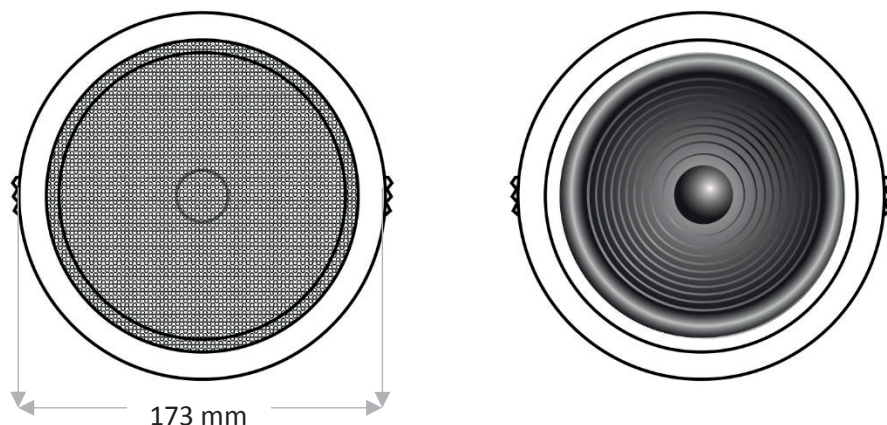
Equipped with built-in 5" full-range loudspeaker, 100V multi-tap transformer, ceramic speaker line connector and thermal fuse. In this way, any malfunction in this loudspeaker does not prevent the transmission on the loudspeaker lines and the announcement continues to reach people safely. Our easy installation design assists users to easily mount the speaker on the ceiling. The exterior of the cabinet is made of fireproof white ABS plastic, and the front panel is made of steel. The loudspeaker is equipped with a fire dome to prevent the spread of fire or smoke from the ceiling cavity during a fire and can be mounted on the loudspeaker without the need for additional equipment.

The speaker's high quality 100V multi-tap transformer has 3W-6W power options.

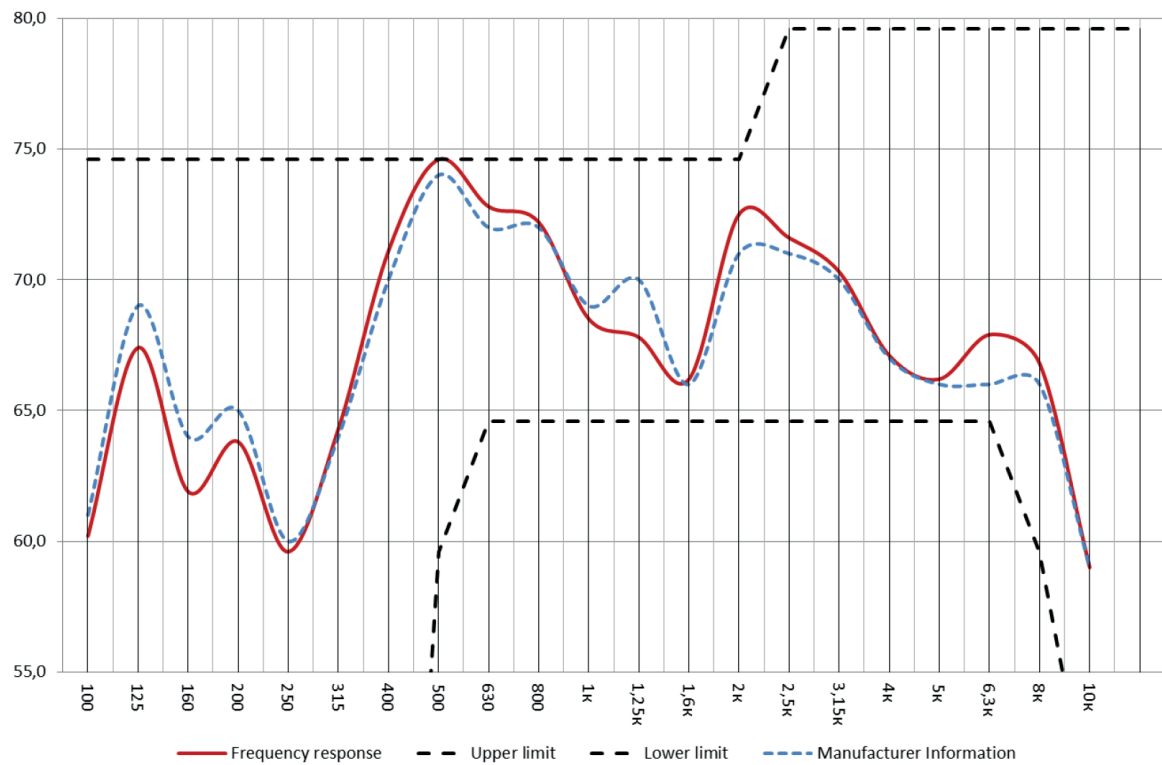
Technical Specifications

Rated Power: 6W (100V)	Speaker System: Full Range	
Transformer Power Levels: 3 – 6W	Measurement Environment: Free-Field	
Impedance: 3330Ω (3W) - 1665Ω (6W)	Main Material: ABS Plastic & Steel EN60695*An 1,2	
Sensitivity: 78,0 dB	Measurements: 173mm (outer diameter) x 143mm (inner diameter) x 100 mm (depth)	
Frequency Response: 82,0 dB	Color: White	
100V Application: Yes	Weight: 620 gr	
SPL 1W/1M Peak: 92,4 dB	Enclosure: IP21 Type A	
SPL 1W/4M Peak: 80,4 dB	ABS Plastic Enclosure	IEC 60695-11-10
SPL Rated Noise Power/4M: 88,1 dB		UL94

Speaker Drawing

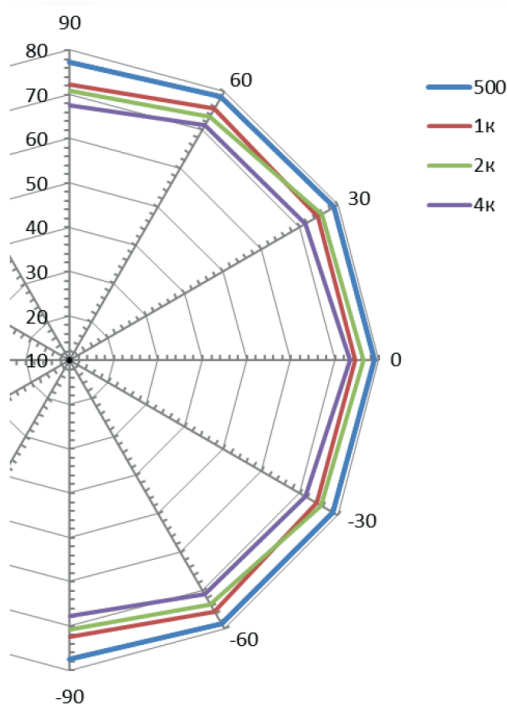


Frequency Response 1W/4M

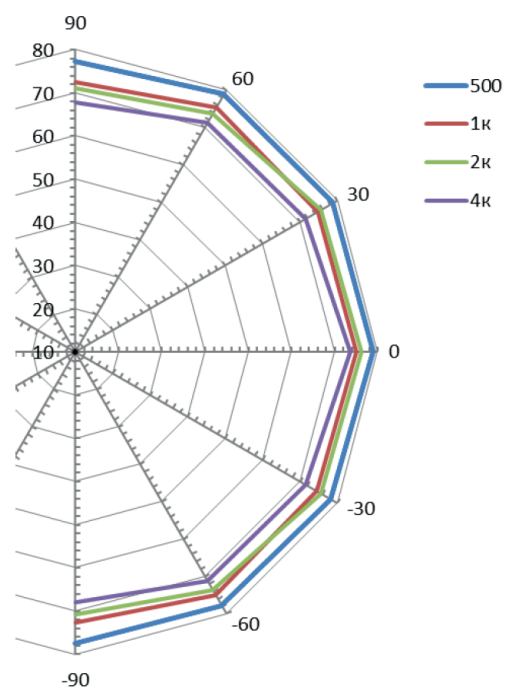


Polar Graph

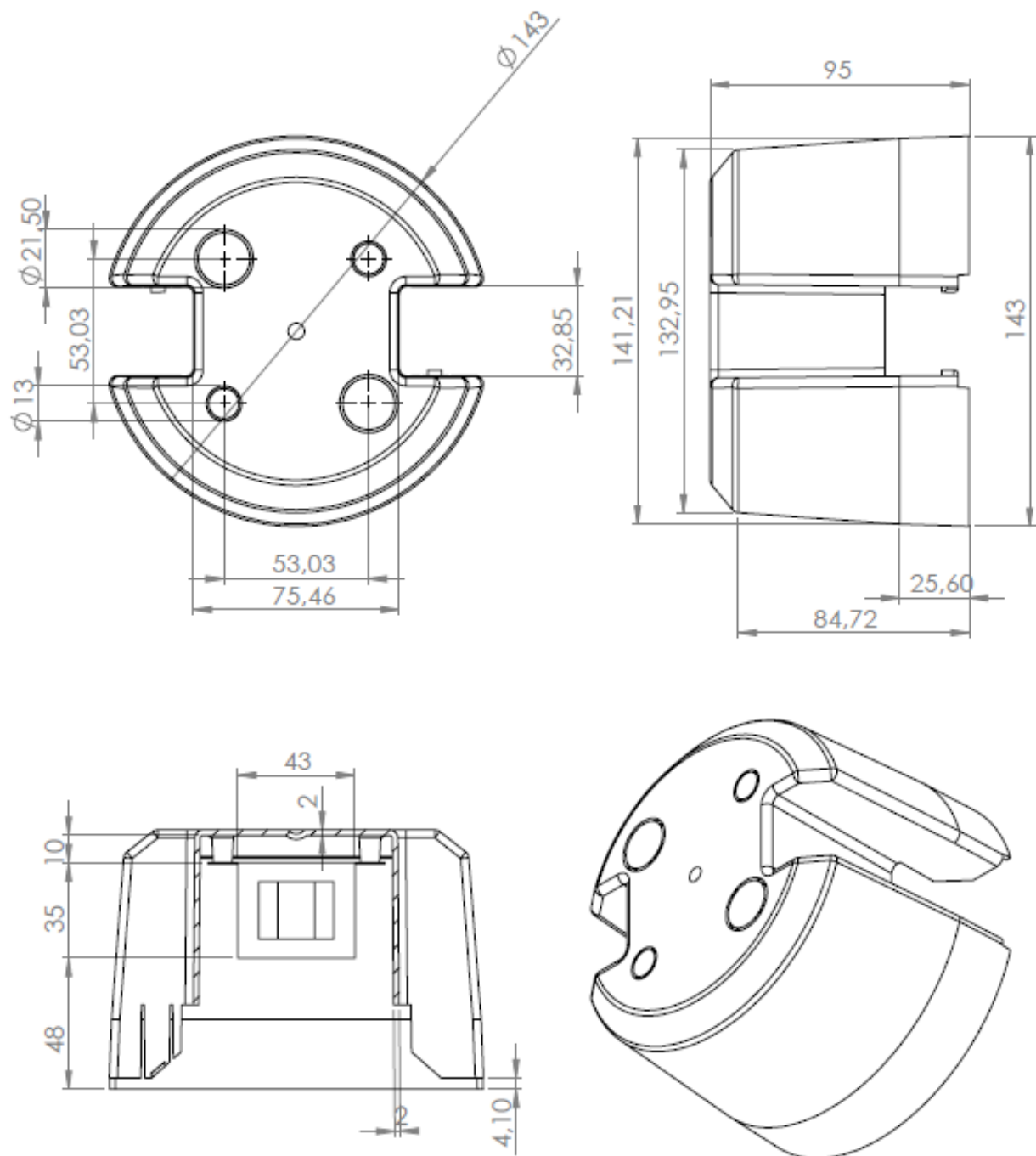
Horizontal coverage



Vertical coverage

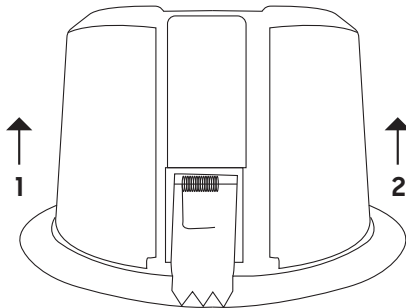


Measurements



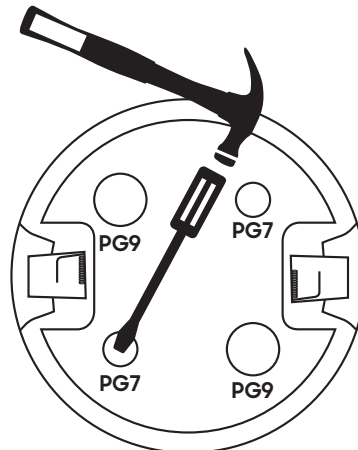
Mounting Instructions

1



Hold the front side of the speaker with your hand, pull the 1st side up and then the 2nd side up to open the cover.

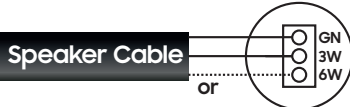
2



According to the size you want, break one of the holes and plug PG type adapter. Do not leave open holes.

3

Connection type without fuse
Connect your 100V speaker line to one of the 3W or 6W terminals.

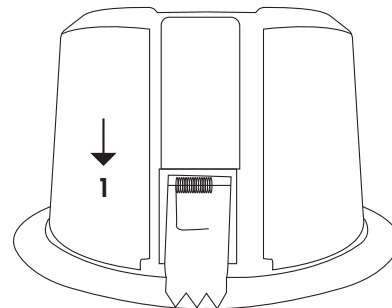


Fused connection type
The fuse is inside the box.



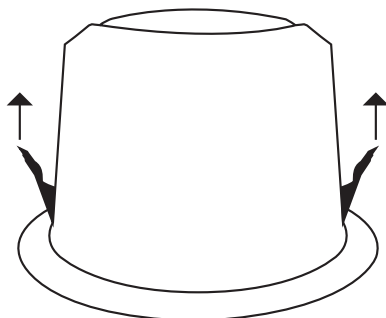
Use at least 2x1.5 liycy speaker cable.

4



Insert it properly according to the channels do not leave any gaps.

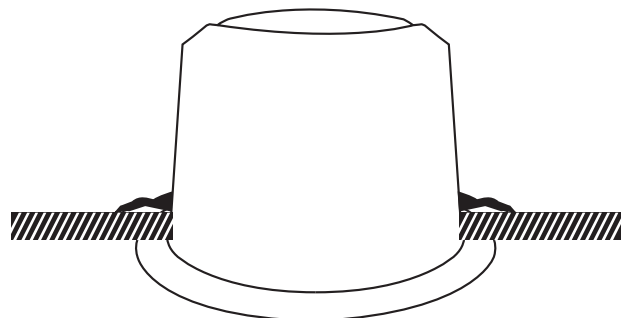
5



Lift both of the side hooks upwards.

6

Drill a 15cm hole in the false ceiling.



Snap it into place on the ceiling and gently leave the hooks to fit the speaker in. Do not leave gaps on the grill side.