

# NOVASONAR RA 30 PN

Invisible sound system for suspended grid ceilings



Building material and the sound system from a single production source



Available for all conventional grid ceilings made of mineral materials in all usual dimensions and designs

Integration also into existing ceiling tiles

Other materials, such as, for example, metal on request

## Description / Technical data

Flat-panel loudspeaker on the principle of the bending wave transducer with a flat panel membrane, which is brought to vibration by electrical exciters mounted to the back and with an integrated frequency crossover/filter.

The loudspeaker comprises a conventional ceiling tile made of mineral materials with a factory-integrated flat-panel loudspeaker. The ceiling tile is stripped down to a minimum thickness on the back in the area of the loudspeaker membrane by means of milling and thus causes sound-neutrality.

Materials and assembly do not differ from other construction materials used and as a result, there are no „alien bodies“ in the grid ceiling.

Factory integration of the flat-panel loudspeaker in the building material precludes any errors in installation and guarantees continuously assembly and processing technology in drywall work without material change, therefore ensuring smooth progress on the building site.

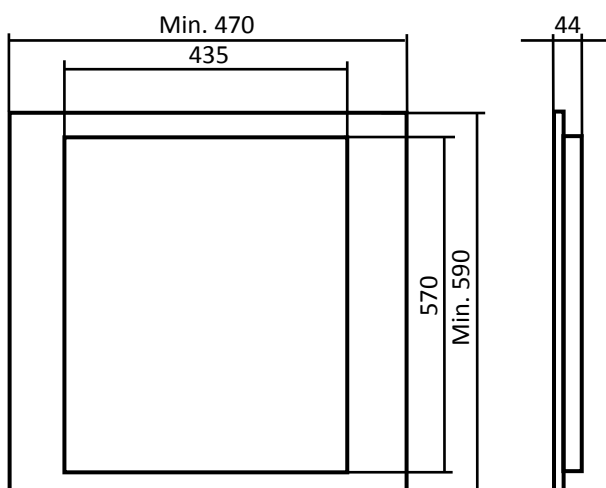
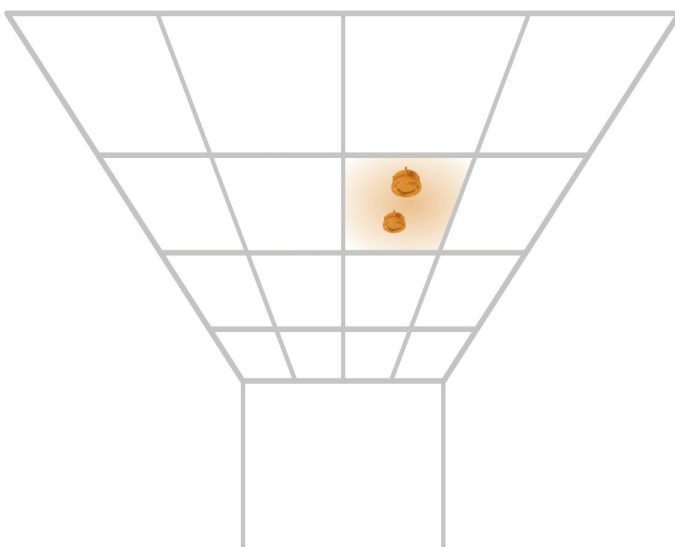
Use of conventional original ceiling tiles will ensure continuous surface design with all conventional grid ceilings.

The flat-panel loudspeaker can also be factory-integrated into existing tiles which are already mounted.

Dimensions (standard):	Minimum 470 mm x 590 mm (depending on the ceiling tile)
Building material:	Ceiling tile made of mineral materials
Frequency response:	80 Hz – 20000 Hz
EQ:	PN-integrated crossover
Dispersion:	180° x 180°
Power handling:	30 W / 8 Ω
Optional:	70/100 V
Sensitivity:	80 dB (1 w / 1 m)
Max. SPL:	95 dB (1 m)

Manufacturer: ML-Audio und Carbons GmbH

Model: Novasonar RA 30 PN



All products subject to technical modification without prior notice. Errors excepted.