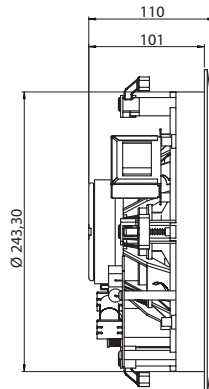
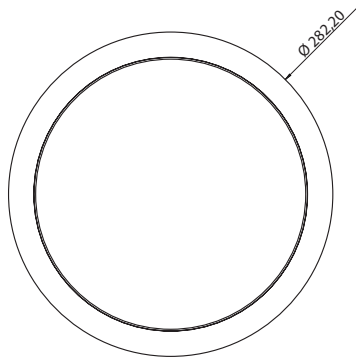
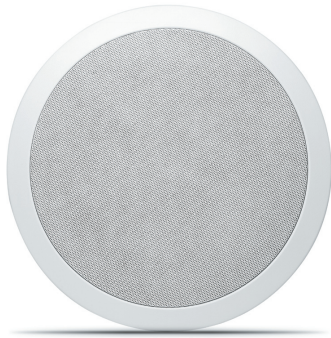


IC 108

8Ω In-Ceiling Line



Key Points

- Excellent performance/size ratio.
- Rich bass that permits a use without subwoofer.
- Speaker ready for painting (removable logo and protection kit supplied).
- Flush grille for optimum integration.
- Inverted dome tweeter: the best space dispersion in the market!
- Tweeter and woofer compatible with damp environment.
- Adjustable tweeter for total control of directivity.
- Genuine audiophile 12-12 dB/octave crossover for outstanding sound quality.

Technical specifications

Max. power	140W
Nominal power	70W
Sensitivity at 1W/30W (1kHz, 1m)	90dB/105dB
Bandwidth (± 3dB)	50Hz - 20kHz
Opening angle (at 1kHz/4kHz, -6dB)	165°/180°
Nominal impedance	8Ω
Passive crossover cut-off frequency	3 300Hz
Drivers	8 ¹ / ₄ " (21cm) glass fiber woofer/midrange 9 ¹³ / ₁₆ " (25mm) aluminum inverted dome adjustable tweeter
Frame dimensions (diameter)	11 ¹ / ₈ " (282mm)
Cut-out dimensions (diameter)	9 ¹¹ / ₁₆ " (246mm)
Cut-out depth	4" (102mm)
Weight	5.5 lb (2.5kg)
Color	White



The invisible great Focal sound.

The Focal Professional Commercial Integration range is the answer to two fundamental constraints:

- offering very high quality sound audio solutions
- promoting product integration to preserve architectural harmony.

Applications :

The Focal IC 108 loudspeaker can be installed in numerous applications such as: conference rooms, shopping malls, lecture halls, restaurants, corridors, shops, swimming-pools, hotels, boats, museums, meeting rooms, ...

Packaging

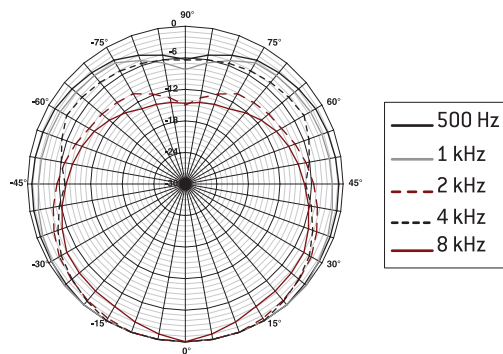
- 1 IC 108 speaker with grille
- 1 cut-out template
- 1 protective mask
- 1 key to remove the grille
- 1 removable Focal logo

Environmental characteristics

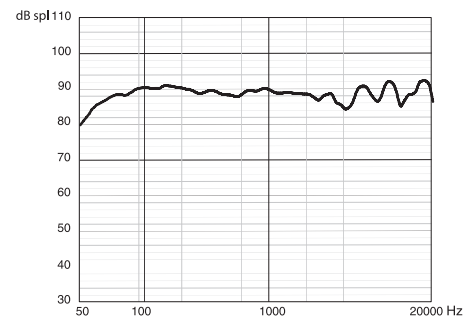
Ambient temperature	-25 °C to + 55 °C
Watertightness	Dampenvironment

Electrical diagram

Directivity



Frequency response



IC 108 speaker level calculation table

Power/Distance	1 meter	2 meters	5 meters	Summary	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
1 watt	90dB	84dB	76dB	NPA [1W/1m][dB]	90	89	88	90	89	85	88
10 watts	100dB	94dB	86dB	NPA [20W/1m][dB]	105	104	103	105	104	100	103
20 watts	103dB	97dB	89dB	opening angle	180°	180°	180°	165°	95°	180°	80°
30 watts	105dB	99dB	91dB	at -6 dB							

Values of average ambient level examples

110dB	Discotheque
90dB	Pub, stadium during a goal
80dB	Multipurpose room, station, stadium terraces
70dB	Supermarket, shop, swimming-pool, ice-rink
60dB	Conference room, office, museum, place of worship
50dB	Classroom
25dB	Quiet room

IC 108 speaker coverage area

Speaker height / ground	2.5m	3m	4m	5m
1 speaker for	15m ²	30m ²	80m ²	150m ²