

300 ICW8

Product Data Sheet

MADE IN
FRANCE

Magnets for mounting magnetic grilles with anti-vibration pads.



Easy Quick Install system, No tools required. System compatible with wall/ceiling from 0^{3/16}" to 1^{3/16}" (5 to 30mm).

Handles to attach the speaker to the mounting frame without tools.



1" (25 mm) Al/Mg inverted dome tweeter with Poron suspension. Smoother sound.

8" (21cm) Flax mid-bass. Flax Membrane: neutrality and sound definition.

Product rear protection against dust.

Rotating tweeter. Off-axis response optimized.

Tweeter adjustment -3dB, 0dB, +3dB. Treble equalisation depending on the room acoustics.

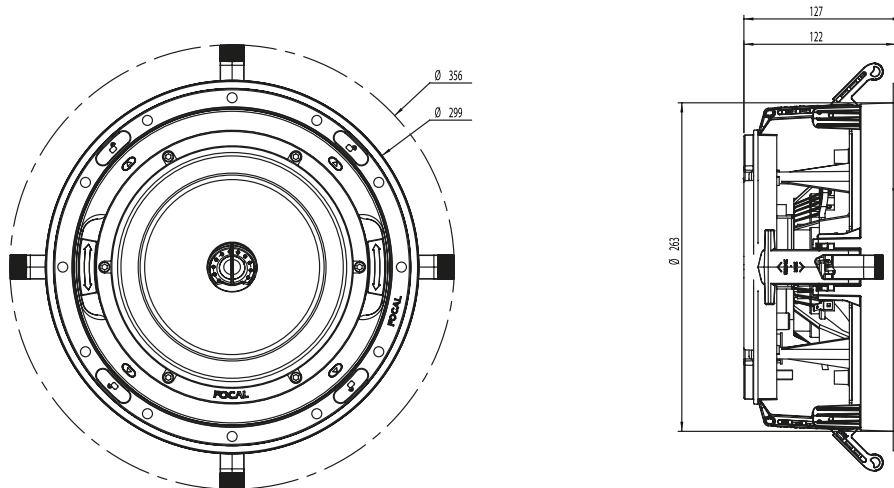


Key points

- 2-way speaker for custom install
- No tools required to install the product
- Loudspeaker developed and manufactured in France by Focal
- Delivered with ready-to-paint square and circular front grilles and painting protective mask
- Off-axis response control (Tweeter rotation and gain adjustment)

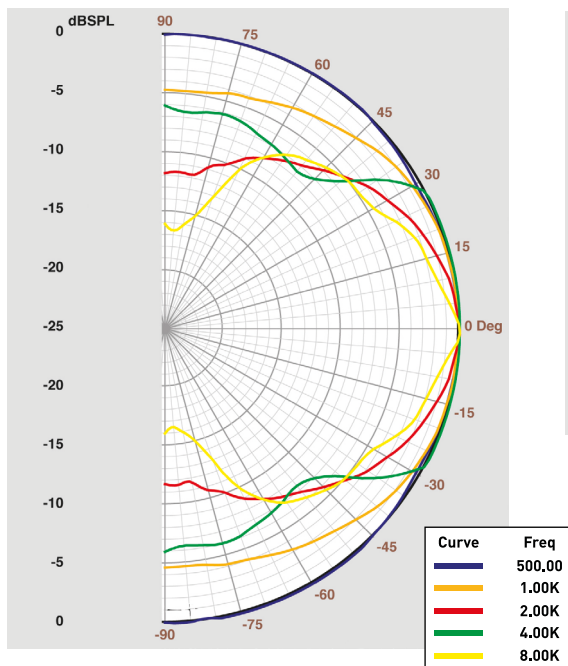
Type of speaker	2-way in-ceiling
Speaker drivers	8" (21cm) Flax Mid-bass 1" (25mm) Aluminium/Magnesium inverted dome tweeter
Sensitivity (2.83V/1m)	90dB
Bandwidth (+/-3dB)	48Hz - 28kHz
Low-frequency cut-off (-6dB)	35Hz
Nominal impedance	8 Ω
Minimal impedance	4.5 Ω
Recommended amp power	25 - 150W
Size (Ø x depth)	11 ^{3/4} x5" (299x127mm)
Mounting diameter (Ø)	10 ^{3/8} " (264mm)
Depth from wall	4 ^{3/4} " (122mm)
Net weight (with grille)	7.05 lbs (3.2kg)
Box size (WxDxH)	14 ^{3/4} x14 ^{3/4} x12 ^{1/4} " (375x375x310mm)
Total weight (with packaging)	11.24 lbs (5.1kg)
Recommended settings for DSP-amplifiers:	
Recommended Limiter Threshold	9,6V RMS
Recommended Limiter Attack Time	0ms
Recommended Limiter Release Time	150ms
Recommended High-pass filter	30Hz Linkwitz-Riley 12 dB/octave

Dimensions

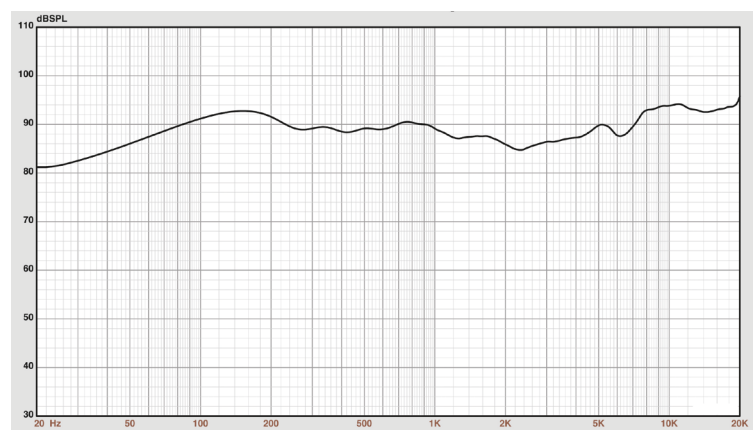


Measurements

Directivity



Frequency response



ICW8 speaker level calculation table

Power/Distance	1m	2m	5m
1 W (2.83V)	90dB	84dB	76dB
10 W (8.94V)	100dB	94dB	86dB
20 W (12.6V)	103dB	97dB	89dB
30 W (15.5V)	105dB	99dB	91dB

Summary	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
SPL (2.83V/1m)(dB)	92	90	90	89	87	88	91
Opening angle at -6dB	180°	180°	180°	180°	90°	80°	90°

