

3001CW8

Product Data Sheet



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

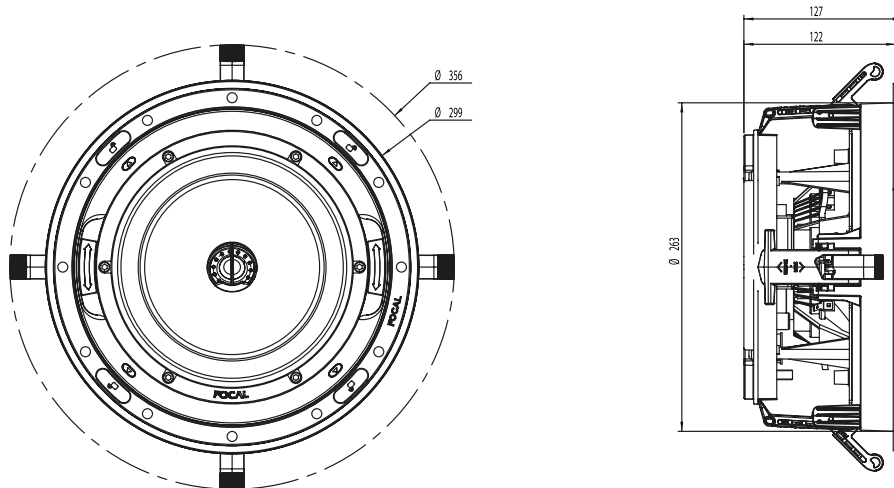
- 2-way speaker for custom install
- No tools required to install the product
- Loudspeaker developed and manufactured in France by Focal
- Delivered with ready-to-paint square and circular front grilles and painting protective mask
- Off-axis response control (Tweeter rotation and gain adjustment)

Technical specifications

| Type | 2-Way |
|-----------------------------|----------------------------------------------------------------------------------|
| Drivers | 8" (21cm) Flax Mid-bass 1" (25mm) Al/Mg inverted dome Tweeter |
| Sensitivity (2.83 V/1m) | 90dB |
| Frequency response (+/-3dB) | 48Hz - 28kHz |
| Low frequency point (-6dB) | 35Hz |
| Nominal impedance | 8 Ohms |
| Minimal impedance | 4.5 Ohms |
| Recommended amplifier power | 25 - 150W |
| Dimensions (Ø/depth) | 11 ^{49/64} x 5" (299x127mm) |
| Cut-Out diameter | 10 ^{25/64} " (264mm) |
| Depth behind surface | 4 ^{51/64} " (122mm) |
| Net weight (with grille) | 7.05 lbs (3.2kg) |
| Box dimensions (WxDxH) | 14 ^{49/64} x 14 ^{49/64} x 12 ^{136/4"} (375x375x310mm) |
| Total weight in box | 11.24 lbs (5.1kg) |

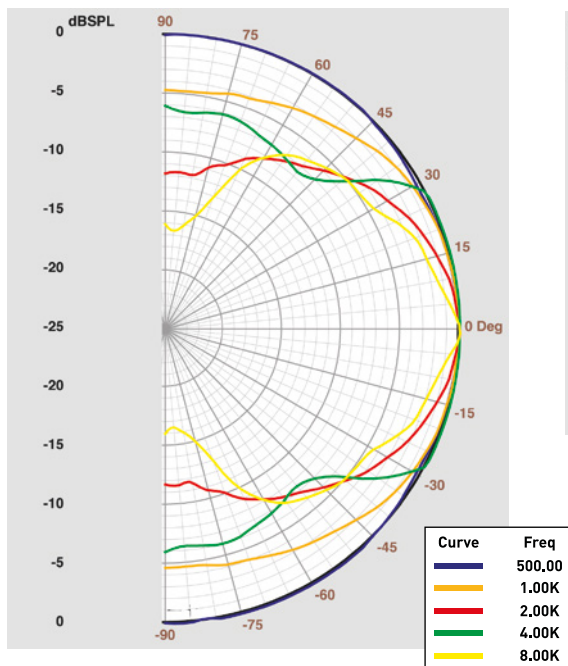


Dimensions

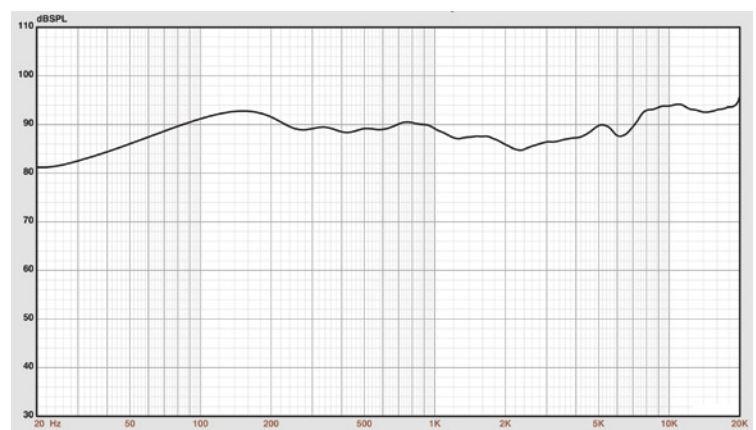


Measurements

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° |