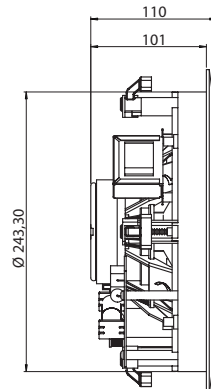
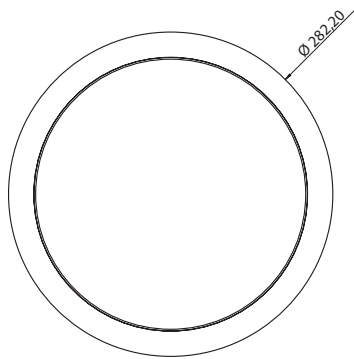
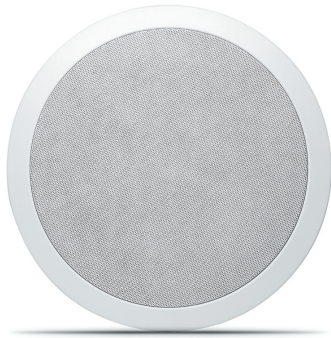


# IC 108-T

## 100 V 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 (100V)	30W (30 - 20 - 10W)
Sensitivity at 1W/30W (at 1kHz, 1m)	90dB/105dB
Bandwidth ( $\pm$ 3dB)	50Hz - 20kHz
Opening angle (at 1kHz/4kHz, -6dB)	165°/180°
Nominal power	100 Volts
Nominal impedance	300/450/900 ohms (30/20/10W)
Passive crossover cut-off frequency	3 300Hz
Drivers	8 <sup>1/4</sup> " (21cm) glass fiber woofer/midrange 9 <sup>13/16</sup> " (25mm) aluminum inverted dome adjustable tweeter
Frame dimensions (diameter)	11 <sup>1/8</sup> " (282mm)
Cut-out dimensions (diameter)	9 <sup>11/16</sup> " (246mm)
Cut-out depth	4 <sup>1/3</sup> " (110mm)
Weight	3.5 lb (1.6kg)
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-T 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

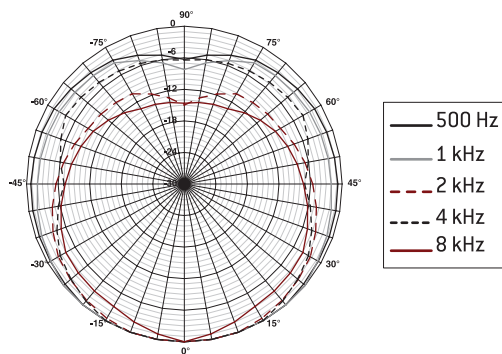
- 1 IC 108-T speaker with grille
- 1 cut-out template
- 1 protective mask
- 1 key to remove the grille
- 1 removable Focal logo

## Environmental characteristics

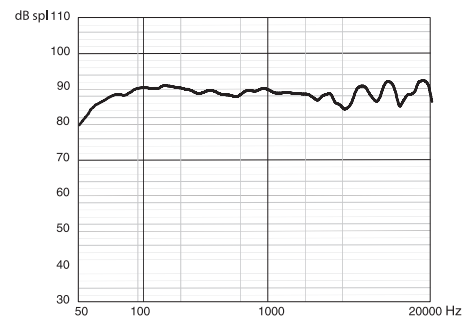
Ambient temperature	-25 °C to + 55 °C
Watertightness	Dampenvironment

## Electrical diagram

### Directivity



### Frequency response



## IC 108-T 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 at -6 dB	180°	180°	180°	165°	95°	180°	80°
30 watts	105dB	99dB	91dB								

## 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-T speaker coverage area

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