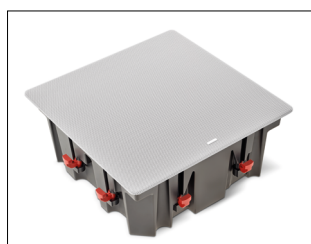
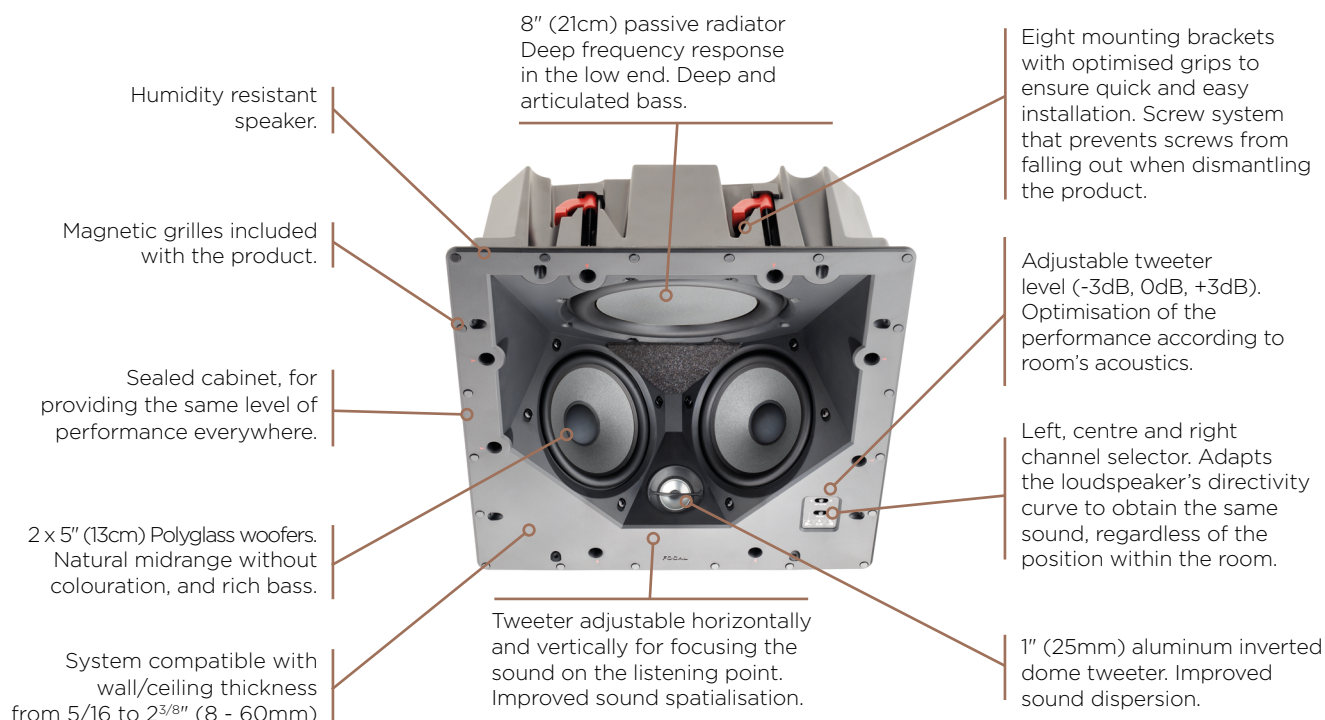


# 100ICLCR5

## Product Data Sheet

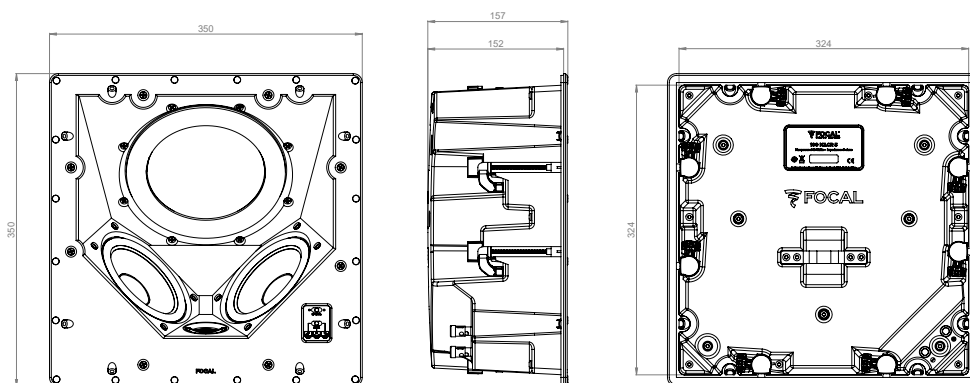


### Key points

- A Home Cinema system totally integrated into the ceiling for total discretion.
- A loudspeaker with five uses (front left, centre or right channels; rear left and rear right channels)
- The best performance in terms of use (left, right or right channel selector and adjustable tweeter level)
- Product designed and developed in France by Focal
- Very balanced mid-range for improved intelligibility for Home Cinema set-ups
- Supplied with a magnetic grille and ready to paint to ensure perfect integration

| Type                                     | 2-way in-ceiling                                                                                       |
|------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Drivers                                  | 2 x 5" (13cm) Polyglass woofers, 1" (25mm) inverted dome tweeter, 8" (21cm) Polyglass passive radiator |
| Sensitivity (2.83V/1m)                   | 92dB                                                                                                   |
| Frequency response (+/-3dB)              | 65Hz - 23kHz                                                                                           |
| Low frequency point (-6dB)               | 55Hz                                                                                                   |
| Nominal impedance                        | 8 Ω                                                                                                    |
| Minimal impedance                        | 4.6 Ω                                                                                                  |
| Recommended amplifier power              | 25 - 120W                                                                                              |
| External dimensions (HxWxD)              | 13 <sup>15/16</sup> "x13 <sup>15/16</sup> "x5 <sup>5/16</sup> " (354x354x150mm)                        |
| Cut-Out diameter (HxW)                   | 12 <sup>5/16</sup> "x12 <sup>5/16</sup> " (328x328mm)                                                  |
| Depth from wall                          | 6" (152mm)                                                                                             |
| Net weight (with front grille)           | 11.6lbs (5.3kg)                                                                                        |
| Packing dimensions (WxDxH)               | 16 <sup>1/16</sup> "x 16 <sup>1/16</sup> "x7 <sup>1/2</sup> " (408x408x190mm)                          |
| Total weight (with packaging)            | 15.8 lbs (7.2kg)                                                                                       |
| 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             | 45Hz Linkwitz-Riley 12 dB/octave                                                                       |

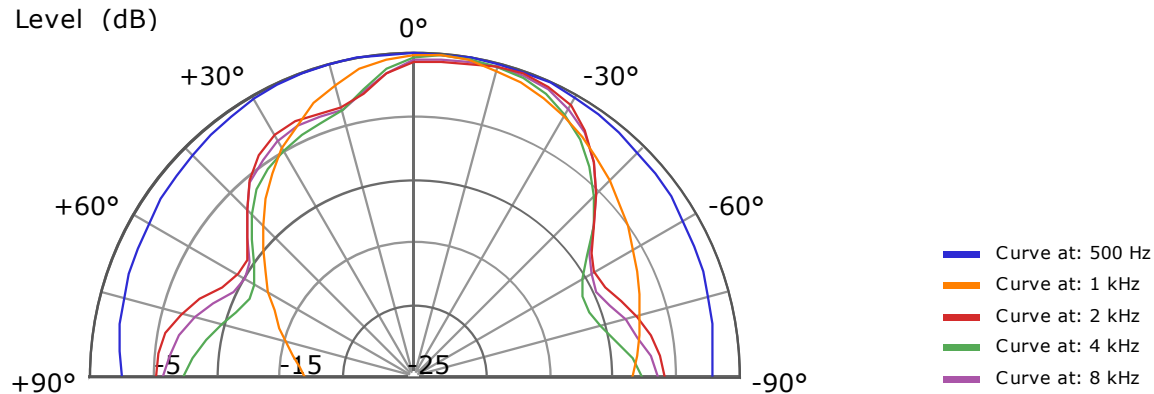
## Dimensions



## Directivity Measurements

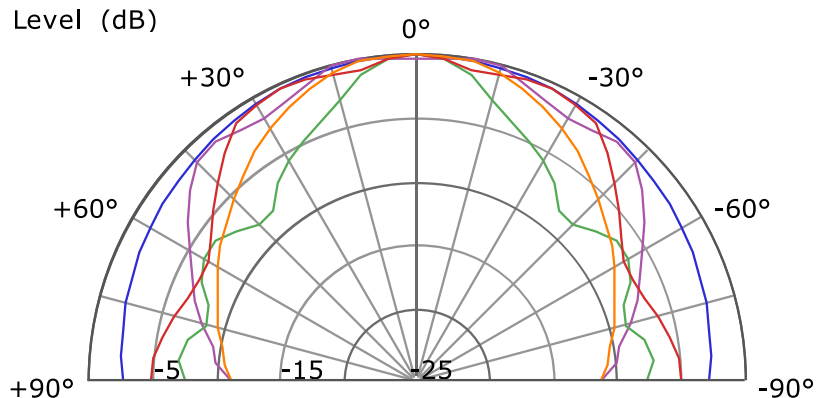
Horizontal (right channel)

Level (dB)

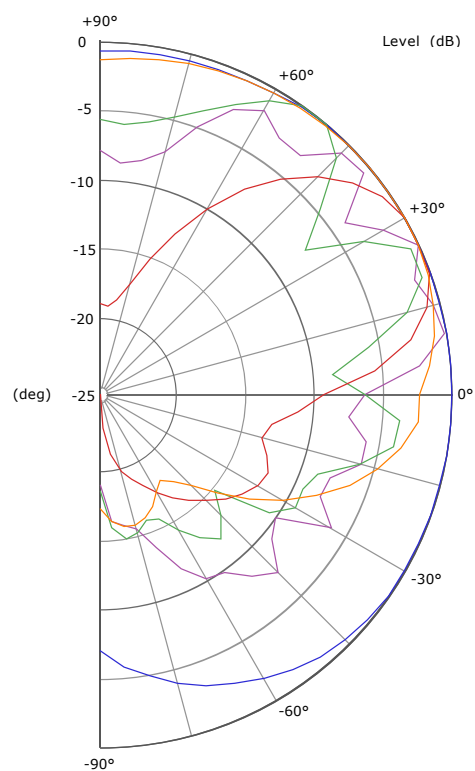


Horizontal (central channel)

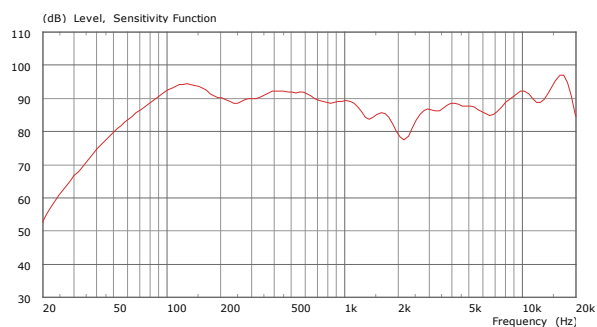
Level (dB)



Vertical



## Frequency Response



## 100ICLCR5 Speaker level Calculation Table

Horizontal (right channel)

| Power/Distance | 1m    | 2m    | 5m   |
|----------------|-------|-------|------|
| 1W (2.83V)     | 92dB  | 86dB  | 78dB |
| 5W (8.94V)     | 102dB | 96dB  | 88dB |
| 10W (12.6V)    | 105dB | 99dB  | 91dB |
| 20W (15.5V)    | 107dB | 101dB | 93dB |

| Summary               | 125Hz | 250Hz | 500Hz | 1kHz     | 2kHz      | 4kHz      | 8kHz     |
|-----------------------|-------|-------|-------|----------|-----------|-----------|----------|
| SPL (2.83V/1m) (dB)   | 92    | 89    | 91.5  | 89.5     | 83        | 87        | 89       |
| Opening Angle at -6dB | 360°  | 360°  | 360°  | 35°/+60° | -45°/+90° | -35°/+50° | 40°/+50° |

Horizontal (central channel)

| Power/Distance | 1m    | 2m    | 5m   |
|----------------|-------|-------|------|
| 1W (2.83V)     | 92dB  | 86dB  | 78dB |
| 5W (8.94V)     | 102dB | 96dB  | 88dB |
| 10W (12.6V)    | 105dB | 99dB  | 91dB |
| 20W (15.5V)    | 107dB | 101dB | 93dB |

| Summary               | 125Hz | 250Hz | 500Hz | 1kHz | 2kHz | 4kHz | 8kHz |
|-----------------------|-------|-------|-------|------|------|------|------|
| SPL (2.83V/1m) (dB)   | 92    | 89    | 91.5  | 89.5 | 80   | 90   | 89   |
| Opening Angle at -6dB | 360°  | 360°  | 340°  | 100° | 110° | 70°  | 120° |