100IC6ST

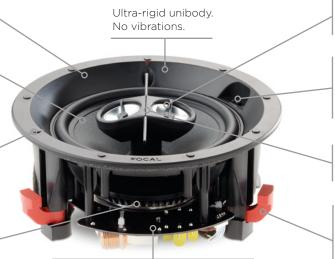
Product Data Sheet

6^{1/2}" (16.5cm) Polyglass cone. Natural midrange without colouration and rich bass.

Humidity resistant speaker.

Magnetic grilles (round or square) included with the product.

ODC crossover for controlled directivity and wider sound dispersion. Avoids having a 'shower' effect.



System compatible with wall/ceiling

thickness from 5/16 to 19/16" (8 - 40mm)

Double tweeter 1" (25mm). Aluminum inverted dome tweeter. Improved sound dispersion.

Adjustable tweeter level (-3dB, OdB, +3dB). Improved treble adjustment according to the acoustic environment.

Separation of left/right channels. Improved stereo effects.

4 mounting brackets with optimised grips to ensure quick and easy installation. Screw system that prevents screws from falling out when dismantling the product.







Key Points

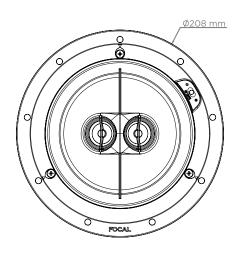
- Product designed and developed in France by Focal
- Compact product with shallow mounting depth
- For in-ceiling or in-wall loudspeakers (1 product, 2 uses)
- Possible to connect two loudspeakers to the same amplifier output
- Ready-to-paint grille

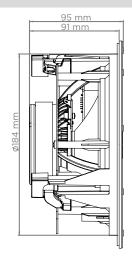
Technical Specifications

Туре	In-celling - Stereo 2-way coaxial				
Drivers	$6^{1/2}$ " (16.5cm) Dual voice coil Polyglass Midbass 2 x 1" (25mm) Al inverted dome Tweeters				
Sensitivity (2.83V/1m)	89dB				
Frequency response (+/-3dB)	60Hz-23kHz				
Low frequency point (-6dB)	48Hz				
Nominal impedance	2 x 8Ω				
Minimal impedance	2 x 6.7Ω				
Recommended amplifier power	25-100W				
External dimensions (Ø/Depth)	8 ^{3/16} "x3 ^{3/4} " (208x95mm)				
Cut-Out diameter	7 ^{1/4} " (184mm)				
Depth from wall	3 ^{9/16} " (91mm)				
Net weight (with front grille)	3.86lbs (1.75kg)				
Packing dimensions (WxDxH)	10 ^{5/8} "x10 ^{5/8} "x6 ^{11/16} " (270x270x170mm)				
Total weight (with packaging)	5.29lbs (2.40kg)				



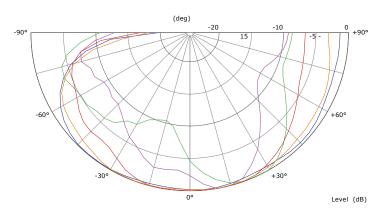
Dimensions



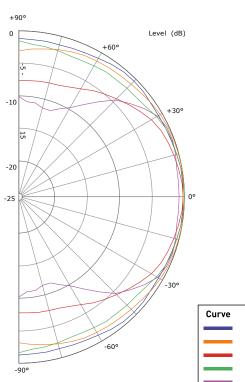


Measurements Directivity







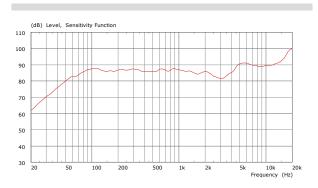


Freq 500.00 1.00K

2.00K

4.00K 8.00K

Frequency Response



100IC6ST Speaker level Calculation Table

Power/Distance	1m	2m	5m	
1W (2.83V)	89dB	83dB	75dB	
5W (8.94V)	99dB	93dB	85dB	
10W (12.6V)	102dB	96dB	88dB	
20W (15.5V)	104dB	98dB	90dB	

Summary	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
SPL (2.83V/1m) (dB)	89	89	88	89	88	87	91
Opening Angle at -6dB	180°	180°	180°	180°	110°	180°	100°