

Install

CMS 403ICTE

4" Full Range Directional Ceiling Loudspeaker with ICT Driver for Installation Applications (Blind Mount)

- Full range ceiling loudspeaker for installation applications
- 40 Watts continuous, 160 Watts peak power
- 4" ICT (Inductive Coupling Technology) point source driver for extended frequency range
- Blind Mount enclosure supplied with integral moulded ABS back can
- Integrated single unit construction for ease of installation
- Adjustable tilt angle with 360° rotation to accommodate difficult loudspeaker placements
- High durability design for constant heavy usage in demanding applications
- Multiple transformer taps for 70 V and 100 V line systems or 16 Ohm direct input
- Low insertion loss 30 W line transformer with easily accessible tapping switch
- Optimised for LAB GRUPPEN low impedance LUCIA amplifiers with up to 8 CMS series loudspeakers per channel
- Semi matt white finish fits unobtrusively in any environment
- Powder coated UV resistant perforated steel mesh grille with dust protection
- Removable grille for custom painting

The CMS 403ICTE is a wide bandwidth 160-Watt high sensitivity loudspeaker that utilises our third generation Ceiling Monitor System technology (CMS 3.0). Thanks to an all-new proprietary 4" ICT (Inductive Coupling Technology) point source driver with extended frequency range, the CMS 403ICTE delivers consistent broadband directivity with enhanced intelligibility. ICT drivers provide exceptional long-term reliability – and are ideal for constant-usage applications.



Adjustable Tilt Angle

Specifically designed with a self-aligning 3 way clamp system for fast, simple and cost effective installation, the CMS 403ICTE can be angled towards the listener within the fixed ceiling-mounting ring. By discreetly pivoting the loudspeaker towards the desired area of coverage, the challenge of speaker placement in a less than ideal room is easily overcome.



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4" Full Range Directional Ceiling Loudspeaker with ICT Driver for Installation Applications (Blind Mount)

- Self-aligning 3 way clamp mounting system
- Mounting C-ring and ceiling tile rails included
- 10-Year Warranty Program*
- Designed and engineered in the U.K.

Optimised for Installation

Equipped with a low-insertion loss 30 W transformer with convenient front panel tap switching, CMS 403ICTE features an integral ABS back-can with removable locking screw terminal connector and loop-thru functionality. The paintable powder coated steel mesh grille with dust protection, two tile support rails and one C-ring are all included.



LAB GRUPPEN Ready

The CMS 403ICTE is finished in semi matt white and optimised for use with LAB GRUPPEN LUCIA amplifiers, which accommodate up to 8 CMS Series loudspeakers per channel.



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You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Tribe](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous [Warranty program](#).

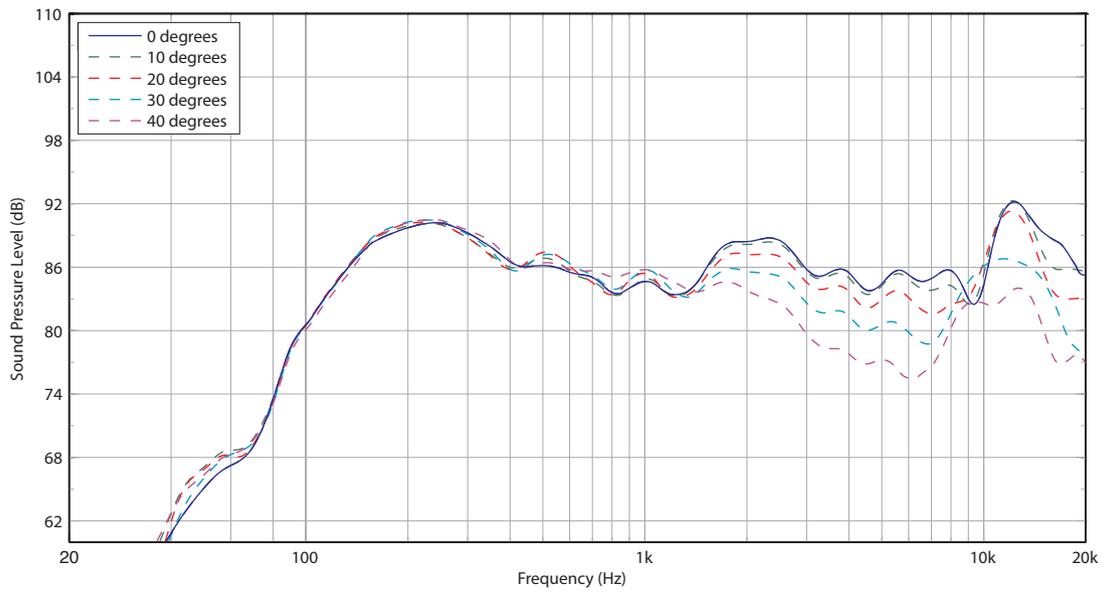


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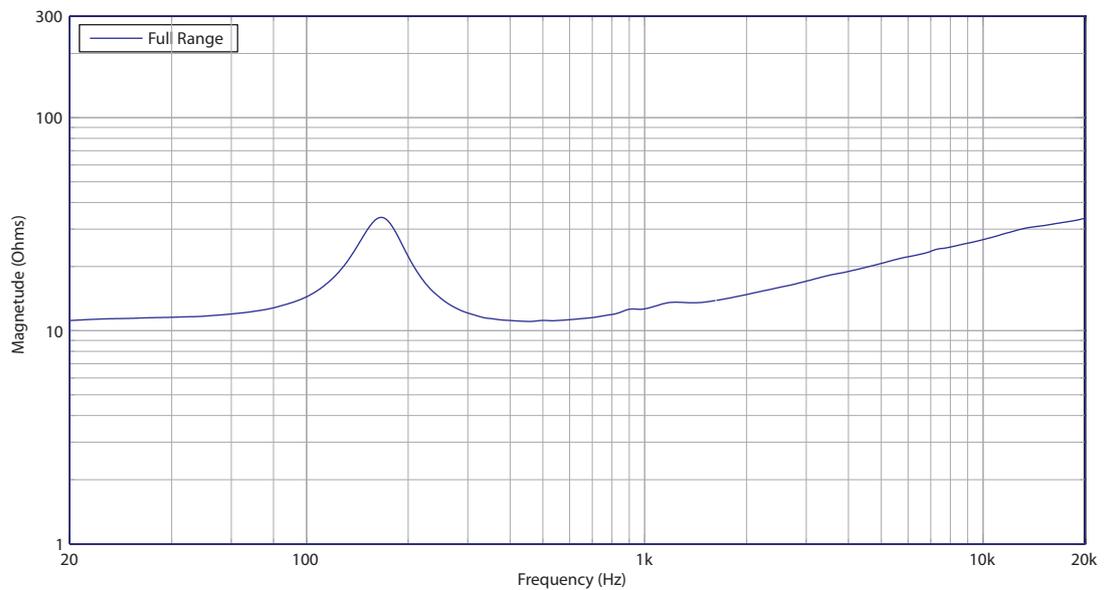
CMS 403ICTE

4" Full Range Directional Ceiling Loudspeaker with ICT Driver for Installation Applications (Blind Mount)

Frequency Response Sensitivity 1 W / 1 m



Impedance

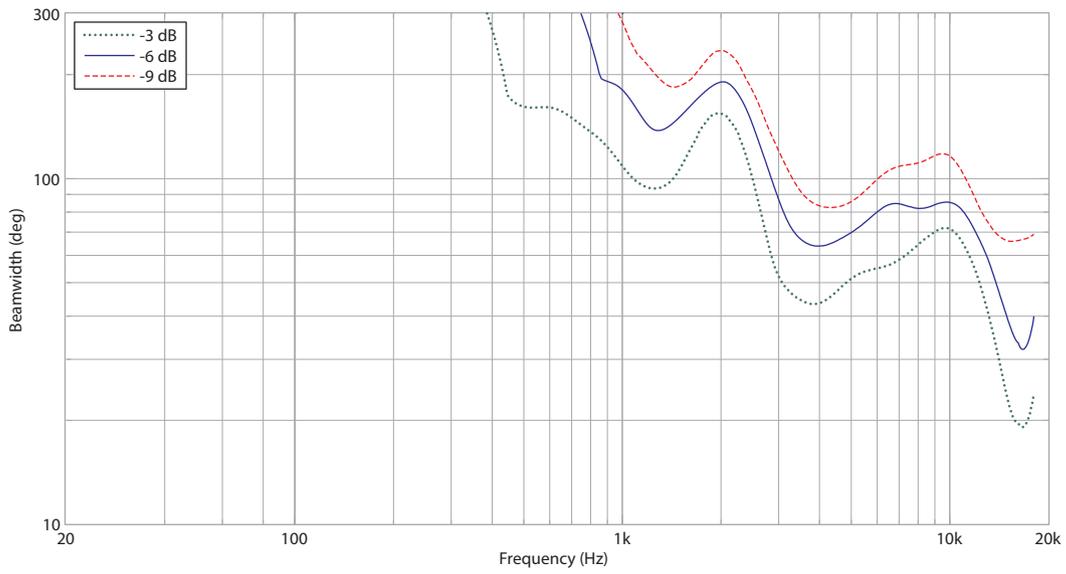


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CMS 403ICTE

4" Full Range Directional Ceiling Loudspeaker with ICT Driver for Installation Applications (Blind Mount)

Horizontal Beamwidth

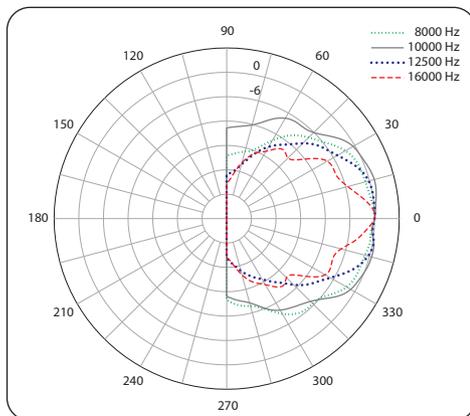
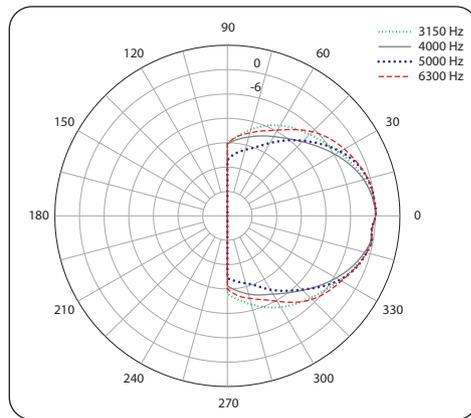
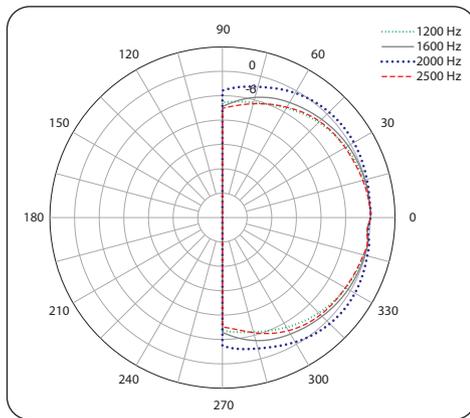
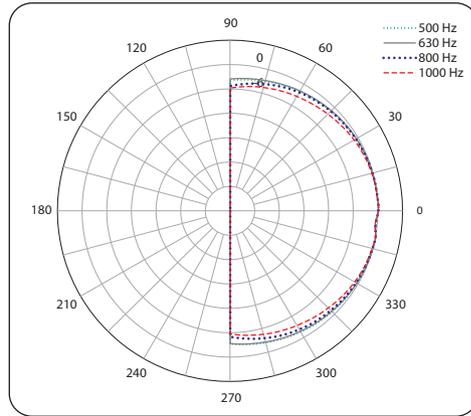
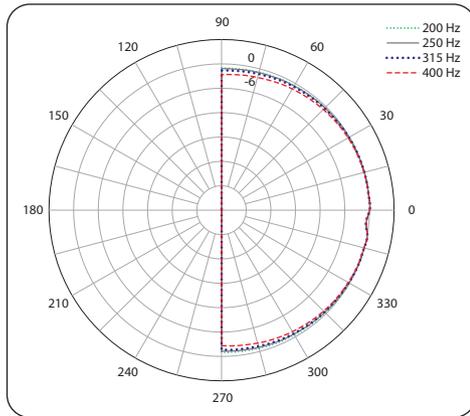


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CMS 403ICTE

4" Full Range Directional Ceiling Loudspeaker with ICT Driver for Installation Applications (Blind Mount)

Polar Plots

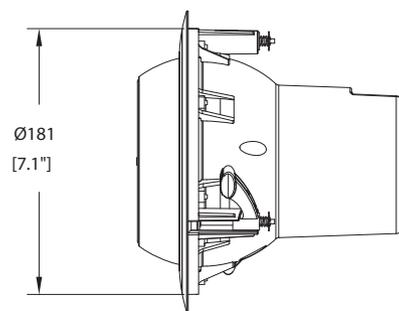
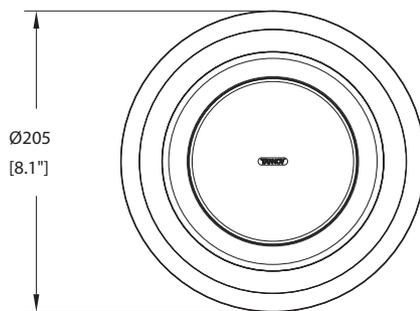
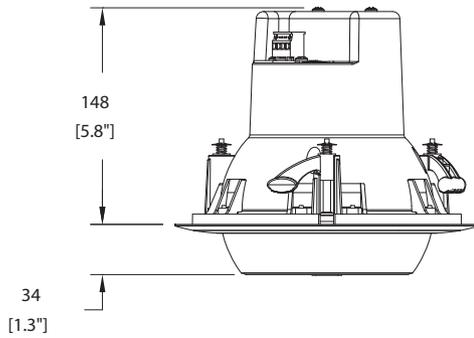


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4" Full Range Directional Ceiling
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Dimensions



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4" Full Range Directional Ceiling
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Technical Specifications

Performance

Frequency response (-3 dB) ⁽¹⁾	110 Hz - 22 kHz
Frequency range (-10 dB) ⁽¹⁾	80 Hz - 24 kHz
System sensitivity (1 W @ 1 m) ⁽²⁾	88 dB (1 W = 4 V for 16 Ohms)
Nominal Coverage Angle	90 degrees conical
Coverage Angle (1 kHz to 6 kHz)	120 degrees
Directivity Factor (Q)	5.26 averaged 1 kHz to 6 kHz
Directivity Index (DI)	6.30 averaged 1 kHz to 6 kHz
Power Handling ⁽³⁾	
Average	40 W
Peak	160 W
Recommended Amplifier Power	80 W @ 16 Ohms
Nominal Impedance (Lo, Z)	16 Ohms
Rated maximum SPL	
Average	104 dB
Peak	110 dB
Transformer Taps (via front rotary switch)	
70 V	30 W (165 Ω) / 15 W (330 Ω) / 7.5 W (660 Ω) / 3.75 W (1320 Ω) / OFF & low impedance operation
100 V	30 W (330 Ω) / 15 W (660 Ω) / 7.5 W (1320 Ω) / OFF & low impedance operation
Crossover	7 kHz inductively coupled

Transducers

Dual Concentric point source driver	100 mm (4.00") mineral loaded polypropylene
Low Frequency	19 mm (0.75") ICT aluminium dome

Physical

Enclosure	
Backcan	Reflex loaded UL 94V-0 rated ABS
Baffle	Reflex loaded UL 94V-0 rated ABS
Grille	Steel, with weather resistant coating
Safety Features	Safety ring located at rear of enclosure for load bearing safety bond
Clamping Design	Min / Max clamping range: 0.0 mm (0.0") / 20.0 mm (0.79") Recommended clamp torque: 1.5 Nm
Backcan Connectors	Removable locking connector with screw terminals with "loop through" facility
Compliance	UL-1480, UL-2043, CE
Dimensions	
Bezel diameter	205.0 mm (8.07")
Front of ceiling to rear of pod	147.6 mm (5.81")
Hole cutout diameter	187 mm (7.36")
Net Weight (ea)	3.0 kg (6.61 lbs)
Included Accessories	C-Ring, tile-bridge kit, paint mask, cut-out template, grille
Optional Accessories	Plaster (mud) ring
Packed Quantity	2

Notes:

1. Average over stated bandwidth. Measured in an IEC baffle in an Anechoic Chamber
2. Unweighted pink noise input, measured at 1 metre on axis
3. Long term power handling capacity as defined in EIA - 426B test

A full range of measurements, performance data, CLF and Ease Data for CMS 403ICTE can be downloaded from www.tannoypro.com.

TANNOY operates a policy of continuous research and development. The introduction of new materials or manufacturing methods may introduce variations in actual performance; however, actual performance always will equal or exceed the published specifications, which TANNOY reserves the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

Install

CMS 403ICTE

4" Full Range Directional Ceiling
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4" Full Range Directional Ceiling
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Install

CMS 403ICTE

4" Full Range Directional Ceiling
Loudspeaker with ICT Driver for
Installation Applications (Blind Mount)

SUSPENDING THIS SYSTEM SHOULD ONLY BE DONE BY QUALIFIED PERSONS FOLLOWING SAFE INSTALLATION STANDARDS

MADE IN CHINA

CMS 403ICTE

WIRING	PASSIVE
1+/2-	INPUT
3-/4+	LINK
INPUT	POWER
70 V LINE	3.75, 7.5, 15, 30 W
100 V LINE	7.5, 15, 30 W
16 Ω	80 W PROGRAM

TANNOY

DESIGNED AND ENGINEERED IN ENGLAND



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