Invented for life

BOSCH

LAS-BEAM series
Superior sound,
elegant design,
seamlessly integrated.

Deliver excellent audio in complex acoustic venues

The **LAS-BEAM series** is the new flagship beam-steering loudspeaker designed for acoustically complex spaces like airports, mosques, and commercial buildings. Seamlessly integrating with the PRAESENSA public address and voice alarm system, the LAS-BEAM series delivers unmatched sound quality and reliability for voice evacuation, announcements, and music. With slim, stackable designs and easy installation, these active steerable column array loudspeakers set a new standard for performance and flexibility.

Building on 90 years of public address experience, the LAS-BEAM series has been engineered to lead the way in acoustical excellence, regardless of how demanding the environment is.
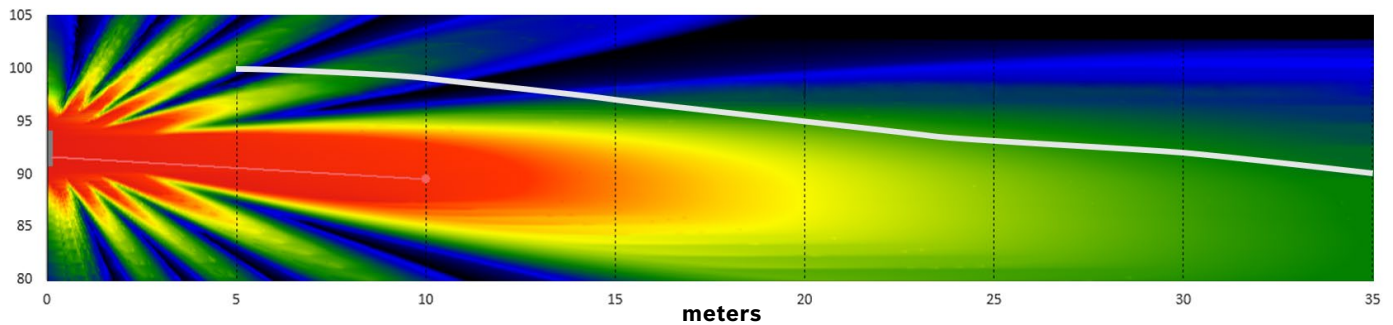

LAS-BEAM-S   **LAS-BEAM-L**

LAS-BEAM series

- Two loudspeakers: LAS-BEAM-S and LAS-BEAM-L
- Wall-mount bracket: LAS-BEAM-WMS, Configuration interface: LAS-BEAM-CON, extender Set: LAS-BEAM-E
- On-board DSP module for sound processing (like Beam steering, EQ and delay)

- Frequency range of 70 Hz to 18 kHz
- Maximum sound pressure (25 m): 104 dB SPL @ 25 m (calc.)
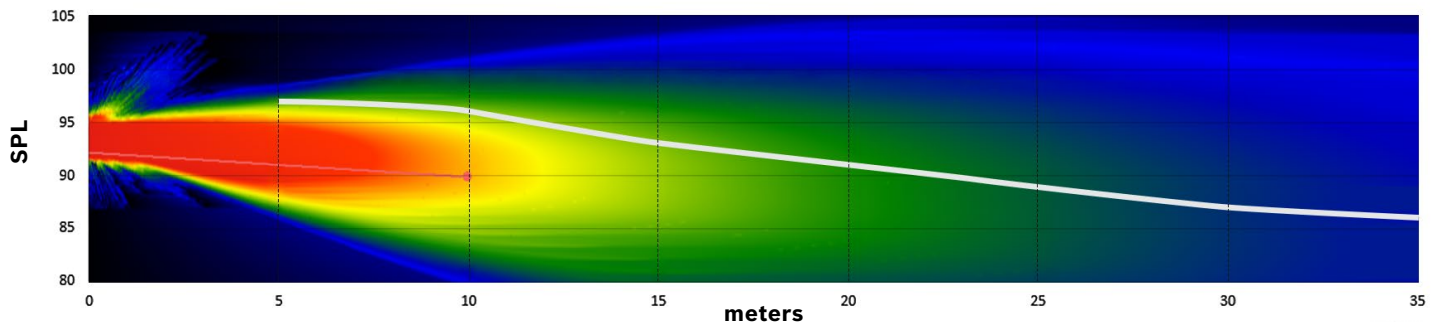
LAS-BEAM-L. SPL coverage over typical distance 25m

LAS-BEAM-L SPL Coverage with focus on max SPL:

—— LAS-BEAM-L max SPL

LAS-BEAM-L SPL Coverage with maximum sidelobe reduction:

—— LAS-BEAM-L min Sidelobe

Key features:

- **Amplification:** Each driver powered by a dedicated 100 W amplifier channel.
- **Inputs:** Both models are equipped with dual 100 V (A + B) and dual line-level inputs to support various redundant configurations.
- **Customization:** EQ, delay and preset settings can be tailored for each unit.

LAS-BEAM-L
The LAS-BEAM-L features eight 3.5" drivers, providing 25 m of coverage, extendable to 70 m when stacked. It is configurable for one or two beams from a single unit and up to four beams when stacked.

LAS-BEAM-S
The LAS-BEAM-S features four drivers and is typically used alongside the LAS-BEAM-L to cover spaces like balconies or niches. With a coverage of 15 m, it can also function independently in smaller areas.

LAS-BEAM-CON
A compact hardware interface that connects a PC to the LAS-BEAM network, enabling the use of LAS-BEAM-SW software in online mode. It allows real-time configuration and monitoring of up to 256 units, with adjustable parameters like beam settings, equalization, and delay across the columns.

LAS-BEAM-E
The LAS-BEAM-E extender set allows for stacking the LAS-BEAM-L to form XL, XXL, 3XL or 4XL arrays. The extender set includes three mounting plates that attach to the rear and side slots of the LAS-BEAM-L, enabling easy and secure stacking with Allen screw connections.

LAS-BEAM-WMS
A wall-mount set for mounting LAS-BEAM-S and (stacked) LAS-BEAM-L steering array speakers. The wall mount set features two mounting brackets that are fixed in the rear slot at the top and bottom part of the speaker. The speaker can be aimed horizontally (rotatable).

	BEAM-S	BEAM-L	BEAM-XL	BEAM-XXL	BEAM-3XL	BEAM-4XL
Number of LAS-BEAM-S	1x					
Number of LAS-BEAM-L		1x	2x	3x	4x	5x
Height	0.5m (19.7")	0.9m (35.4")	1.8m (70.9")	2.7m (106.3")	3.6m (141.8")	4.5m (177.2")
Typical throw	15m (49ft)	25m (82ft)	35m (114ft)	70m (230ft)	70m (230ft)	70m (230ft)
Maximum SPL @25m (82ft)	92dB	94dB	97dB	100dB	102dB	104dB