Ultra thin, low-profile loudspeakers for sophisticated applications in acoustically problematic rooms like churches, auditoriums and theatres. The horizontal coverage and the coupling of the 3" broadband drivers have been optimised by the use of waveguides. The L-Series comprises a total of six models of varying line length and curving and which can be combined as desired. The system is suitable for tackling a multitude of sound applications.

Speakon connectors are a standard feature.

Other colours on request.

L 16j

L 8c

SEEBURG
acoustic line

	L 4c	L 8c	L 8j	L 8i	L 16j	L 16i
Speaker Components	4 x 3" wideband	8 x 3" wideband			16 x 3" wideband	
Description	Curved Cylindric Wave Radiator	Curved	Curved	Straight	Curved	Straight
Powerhandling AES / Peak	80 W / 240 W	160 W / 480 W			320 W / 960 W	
Impedance nominal	8 Ω (32 Ω optional)	16 Ω (4 Ω / 64 Ω optional)			8 Ω (32 Ω / 128 Ω optional)	
SPL 1 W / Peak @ 1 m	92 dB / 112 dB (*)	94 dB / 118 dB (*)			96 dB / 124 dB (*)	
Usable Range - 6 dB	150 Hz - 16 kHz	150 Hz - 16 kHz			150 Hz - 16 kHz	
Coverage horizontal / vertical	80° x 37°	80° x 37°	80° x 17°	80° x 7°	80° x 17°	80° x 7°
Splay Angle	30°	30°	10°	0°	10°	0°
Connectors	2 x Neutrik Speakon NL4MP in/out, Coding: 1 +/- HiMid, 2 +/- loop thru, (Phoenix on request)					
Handles	- - -	- - -	- - -	- - -	- - -	- - -
Rigging / Fittings	3 x M10 / 4 x M6	3 x M10 / 6 x M6			3 x M10 / 6 x M6	
Coating and Finish	Black Polyurea coating and black textile cover, other colours on request					
Weight	3,0 kg	5,0 kg	5,0 kg	5,0 kg	9,0 kg	9,0 kg
Size height x width x depth	35,0 x 11,0 x 12,0 cm	67,0 x 11,0 x 12,0 cm			132,0 x 11,0 x 12,0 cm	
Order No.	**00710**	**00720**	**00725**	**00715**	**00735**	**00730**

*(Measured in 4,0 m distance, converted to 1,0 m)

SEEBURG
acoustic line
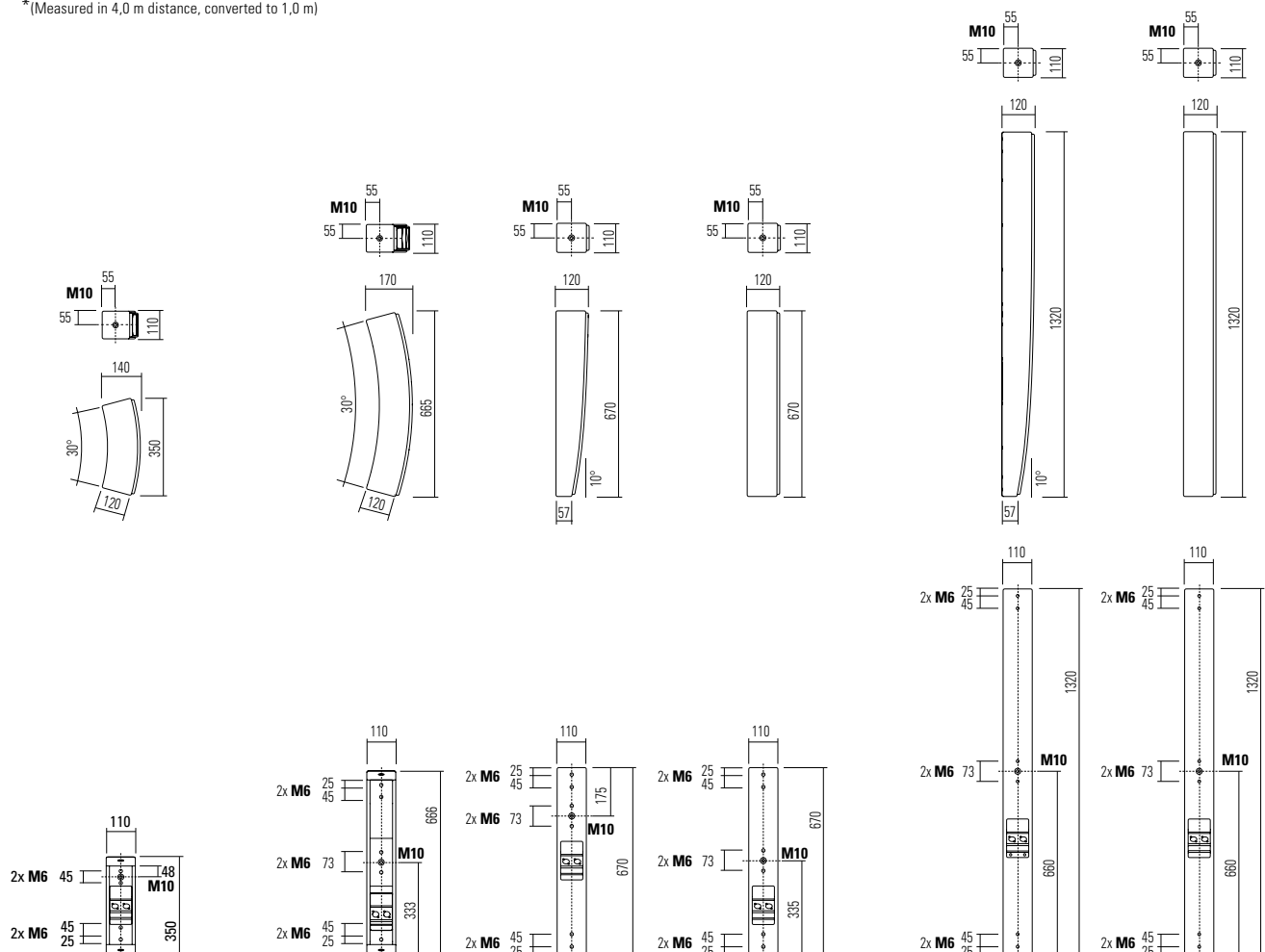
Conventional column speaker
Undefined horizontal dispersion below 2 kHz,
narrow beam at higher frequencies (20° at 10 kHz).
Vertically: Insufficient coupling above 5 kHz leading to
so called "side lobes".

L 8i - Column speaker with waveguide-technology
Enhanced horizontal directivity at the mid frequencies,
notable widening at high frequencies.
Vertically: Cylindric wave characteristics up to 9 kHz,
strong reduction of the side lobes.

horizontal - 2D Directivity Plot

horizontal - 2D Directivity Plot

vertikal - 2D Directivity Plot
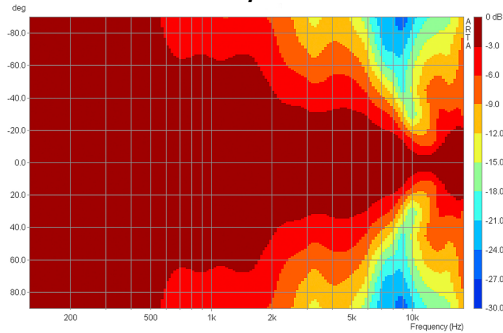
vertikal - 2D Directivity Plot
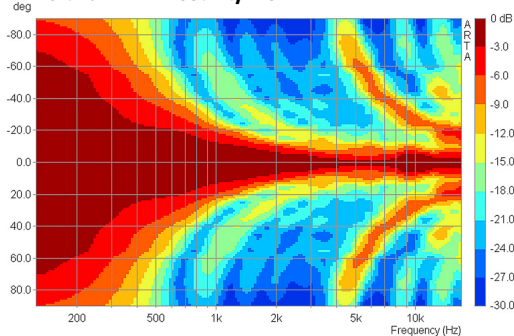
The acoustical coupling of the L-Series single sources
leads to strong vertical beaming, making for longer
throw and a more homogeneous sound dispersion.
The curved design (j- or c- versions) improves the
dispersion for the near field. With increasing length of
the total column, the ratio of direct sound to reflections
will be improved, resulting in more gain before feedback
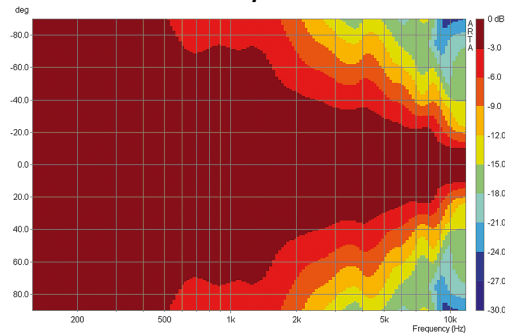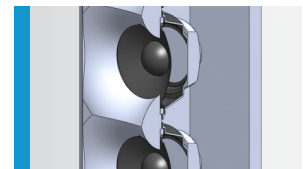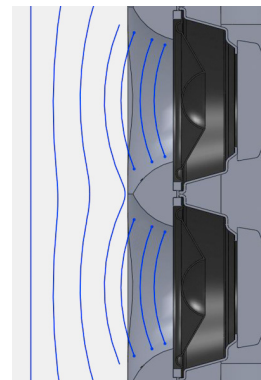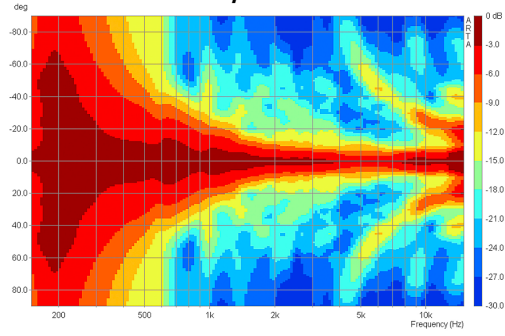and notably better speech intelligibility.

Controller Setups:

Optimized waveguides for improved
vertical coupling and smooth horizontal
dispersion.

Dispersion: L 16i and L 16j
The L 16j system is suited for distances of 2 m to 25 m.
Longer throw can be accomplished by adding a L 16i on top.

**Perfect sound from the first to
the last row of seats.**

S E E B U R G
a c o u s t i c   l i n e

All six versions of the L-Series speakers can be combined as desired.

Special accessories are available for installation. The free software EASE Focus can be used to simulate the acoustical results. For more complex designs, the data for simulation software like EASE, Ulysses and CATT-acoustic is available.
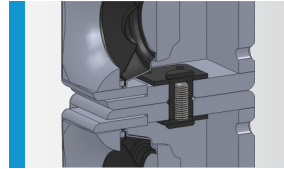
Connection of two L-Series elements by an M10 thread bolt and washer. The two elements can be faced in different horizontal directions.

Mounting to the wall by a bracket with elongated hole. This also enables a slight inclination of the speaker line.
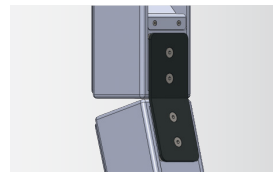
Connection of two elements by tilt adapter. The main dispersion is preadjusted in two directions. Tilt adapters are available with 5°, 10° and 15° angles.
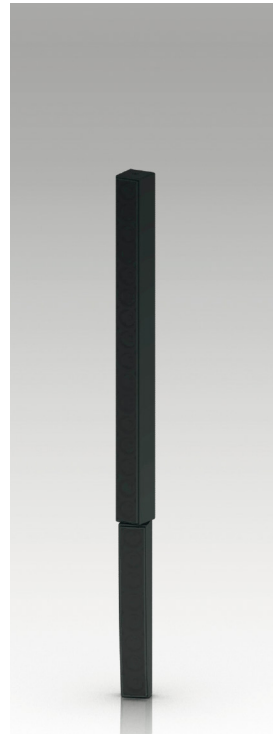

For wall mounting above the field of vision, plates for depth compensation can be used to incline the system without significantly increasing the distance to the wall.

L 16i / L 16j
Classic long throw application.

L 8i / L 8c / L 4c
Application for higher mounting position.

L 16i / L 8j
L8j turned inside for better horizontal coverage of the near field.

L 8i / L 8i / L 8j
Three L8 mounted to the wall above the field of vision with small distance to the wall. Separately powered, with delays.

SEEBURG
acoustic line

Pole Mount

35 mm ø –> M10,
adjustable

Order No. **08126/adj**
Order No. **08126/adj/w** (RAL 9010)

Pole Mount

for L-Series,
2 x fixing holes (d=73 mm),
adjustable

73 mm

Order No. **08126/L-Series**

Pole Mount Adapter

35 mm ø –> M10 x 16 mm,
M8 x 20 star knob screw

Order No. **08126**
Order No. **08126/w** (RAL 9010)

Pole Mount Adapter

35 mm ø –> M10 x 16 mm

Order No. **08126/II**
Order No. **08126/II/w** (RAL 9010)

Knurled Head Nut

reduction screw for fastening
M10 Pole Mount Adapter (08126)

Order No. **73755**

Truss Clamp

incl. M10 Adapter,
max. load 15 kg

Order No. **01221**

Flange

with ball and socket joint,
with additional locking screw,
M10 x 15, max. load 15 kg

Order No. **08125**

Wall Mount

ball and socket joint flange (08125) +
08125/plate

Order No. **08125/set**

Wall Mount

for permanent installation,
incl. tilt angle stop,
M10, max. load 15 kg

Order No. **08131/F/w** (RAL 9010)
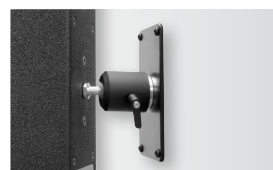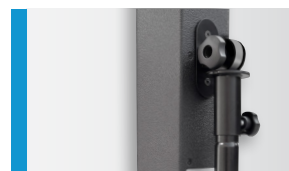Order No. **08131/F**

Wall Mount

2 x M6 fixing holes (d=73 mm),
1 x M10 fixing hole (center),
max. load 25 kg

Order No. **03034/w** (RAL 9010)
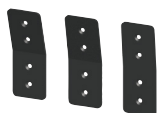Order No. **03034**

Steel Safety

4 mm x 600 mm, black,
max. load 10 kg (BGI 810-3),
quick connector undetachably

Order No. **01376/4**

S E E B U R G
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ACCESSORIES L-SERIES

Tilt Adapter

for L-Series, 0° - 5° - 10° - 15°

Order No. **08149/tilt/0°**
Order No. **08149/tilt/5°**
Order No. **08149/tilt/10°**
Order No. **08149/tilt/15°**

Thread Bolt

M10 x 30 mm,
incl. rubber washer

Order No. **08149/bolt**

Angle Bracket

for L-Series / TriSource,
max. load 20 kg

Order No. **08149/angle**
Order No. **08149/angle/w** (RAL 9010)

Plate for Depth Compensation

for L-Series

Order No. **08149/depth**
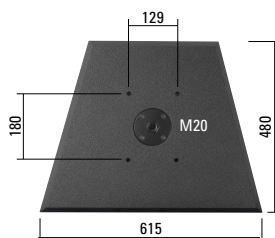Order No. **08149/depth/w** (RAL 9010)

Speaker Pole

M20, adjustable

Order No. **03022**

Base Plate, Small

with M20 flange,
61,5 x 48,0 cm

Order No. **01278**
Order No. **01278/w** (RAL 9010)

129
180
M20
480
615

Base Plate, Round

M20, ø 450 mm, height: 21 mm
black zinc die-cast, felt strips on the
bottom, weight: 6,7 kg

Order No. **01278/round**

M20
450

Bag

Universal bag for
Small Base Plate and accessories,
with side pocket
51 cm x 62 cm x 23 cm
(height x width x depth)

Order No. **01227**

Bag

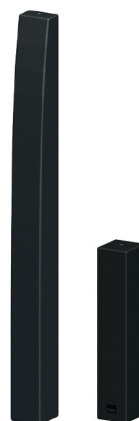for 2 x L 16 and accessories

Order No. **01231**

Tool Set for Monopods

consisting of: wooden plate
with M20 and M10 screws,
matching keys, magnetic bits

Order No. **00750/tool**

Monopods for L-Series

Size and design like L 16j,
to be fixed with M20 on bottom
and M10 on top

Order No. **00750/L16j**

Size and design like L 8i,
to be fixed with M20 on bottom
and M10 on top

Order No. **00750/L8i**

Tool Set for Monopods

SEEBURG acoustic line