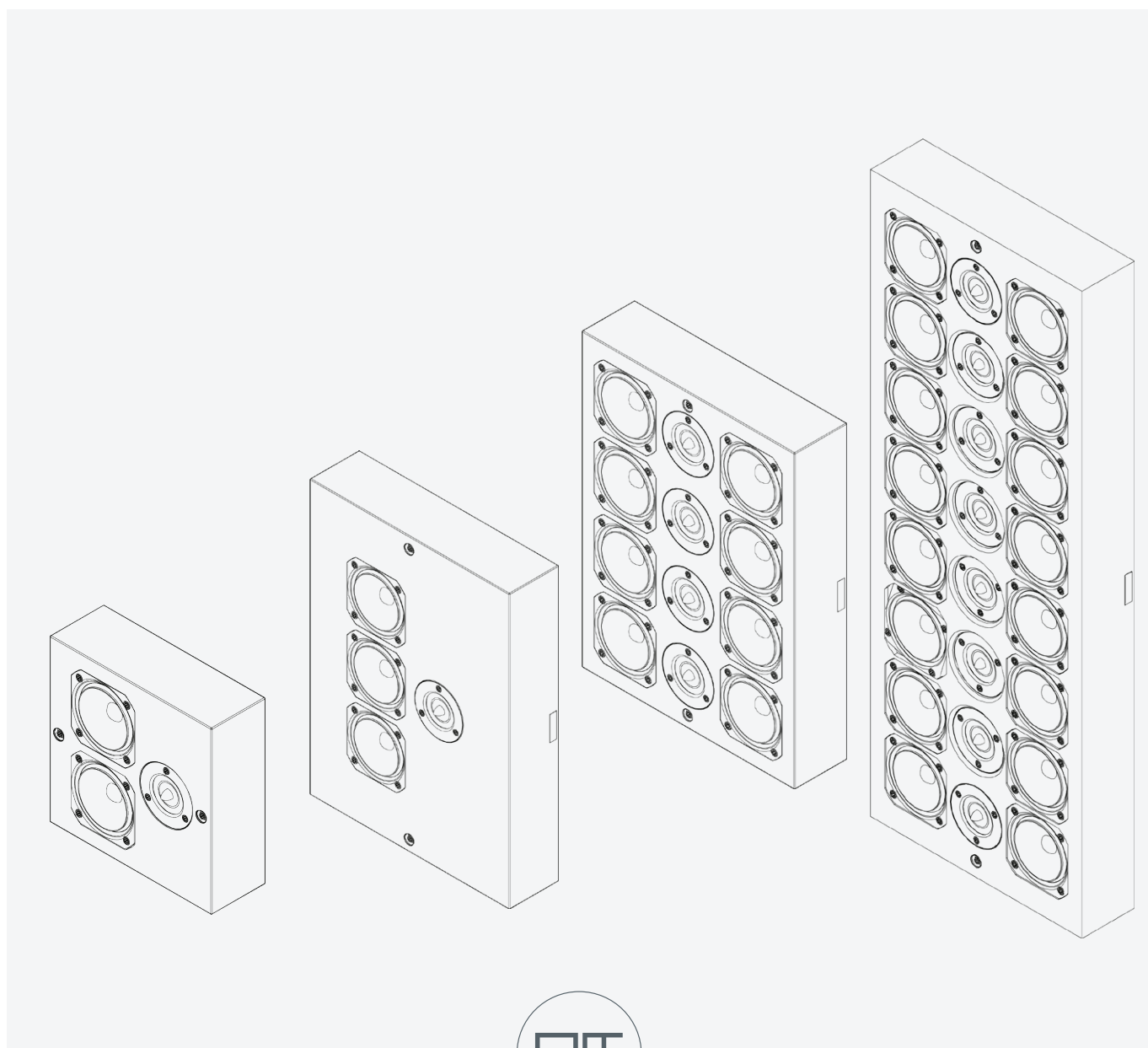


Artcoustic^{AI}

SL EVOLVE SERIES

Owners manual



WELCOME TO THE WORLD OF ARTCOUSTIC

Congratulations on your purchase of the Artcoustic SL Evolve Series.

The SL Evolve Series is Artcoustic's most versatile range of products. Its slimline profile, combined with a powerful and articulated performance, makes it the ideal choice for high-end cinema, Hi-Fi and, multi-room audio installations. For an even more impressive performance, partner it with one of the Artcoustic subwoofers - an ideal setup for small and medium-size cinema rooms.

The SL Evolve Series has been engineered to produce exceptional sound pressure level, normally only associated with typical professional audio products, and has been designed to ensure the utmost aesthetic residential pleasing options, all combined with literally thousands of cabinet and front screens colours.

The SL Evolve Series is a true all-rounder, whether you are looking for high-end sound from two speakers in a stereo music setup, or multiple speakers for cinemas and multi-room audio, the SL Evolve Series will fulfill all your audio needs.

Thank you for purchasing the Artcoustic SL Evolve Series.

All the best,

The Artcoustic Team

FEATURES

SL EVOLVE SERIES

At Artcoustic, our product development team are always looking for innovative and groundbreaking ways to improve our products. We continually invest a huge amount of time and effort to make sure that Artcoustic delivers products at the top of their class, with regards to technological excellence and refined Scandinavian design.

Introducing the latest edition of the SL Evolve series – the Evolve Time Aligned Array (ETAA). The ETAA is a precise and well-designed solution for dealing with high-frequency array phase overlap. By carefully placing high-frequency transducers within a mathematical and geometric calculated formula, the acoustically impossible is now possible.

The design has been optimised to allow the product to achieve a near-perfect response curve, without compromising on any of the existing high-end features including extreme sound pressure levels, sensitivity, extended frequency response, controlled directivity, exceptional speed, and transient response. All arranged within a well-designed, slimline cabinet.

ETAA ADVANTAGES

EXTENDED FLAT FREQUENCY RESPONSE UP TO 40 KHZ

DETAILED AND TRANSPARENT SWEET SPOT,
with an almost magical ability of making the actual speakers acoustically disappear.

A SOPHISTICATED AND MINIMAL CABINET DESIGN
with endless options to customise your speaker. Choose from an unlimited range of colours, matching screen covers or select your own artwork.

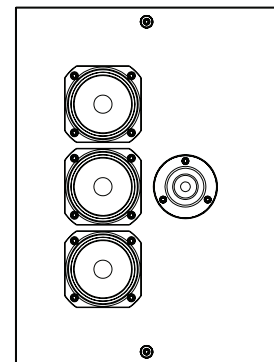
HIGH SENSITIVITY AND EXCEPTIONAL SOUND PRESSURE LEVEL

LOW DISTORTION

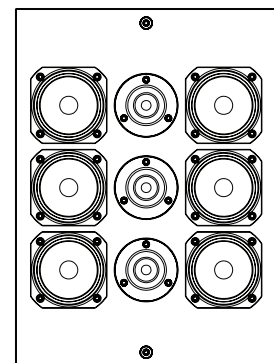
BENCH MARK TRANSIENT RESPONSE

GUIDED DIRECTIVITY
with near perfect response curve +/- 3 dB over long distances

PLUG AND PLAY EASY TO INSTALL APPROACH
eliminating installation mistakes and misunderstandings



SL Evolve 3-1 front view



SL Evolve 6-3 front view

Overall, the ETAA delivers incredible detail and airy sound that typical high-end Hi-Fi speakers only offer at short distances. The Artcoustic ETAA delivers above and beyond providing a throw distance of well beyond 40 meters making this product a natural evolution within the Artcoustic portfolio of industry-leading products.

FEATURES

SL EVOLVE 1-1

This multi-purpose monitor shares many characteristics with the other models in the Evolve range. Maintaining Artcoustic's clean contemporary design, the SL Evolve 1-1 has been designed to match all modern flat screen monitors.

SL Evolve 1-1 - This is a very flexible loudspeaker, designed for use in smaller rooms for home cinema or HiFi, and multi-room applications in kitchens, bedrooms, studies, etc.

EXTREMELY SMALL AND COMPACT CABINET DESIGN

LOW DISTORTION

LOW POWER CONSUMPTION

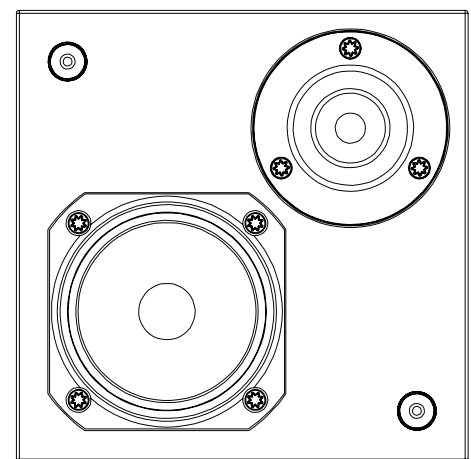
WIDE FREQUENCY RESPONSE 70 HZ TO 40 KHZ

FAST, EASY AND SIMPLE INSTALLATION

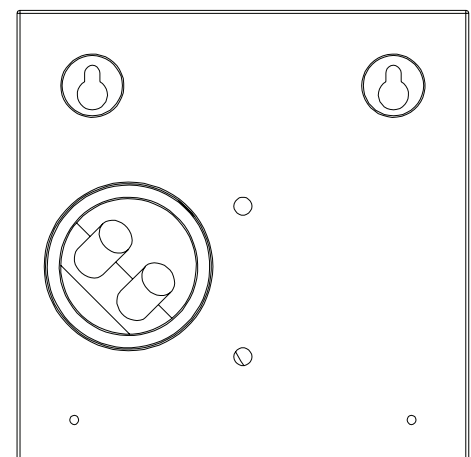
SUITABLE FOR A WIDE RANGE OF APPLICATION,
from HiFi Systems, Multi Room Systems and smaller Home
Cinemas

Ultra-slim aesthetically pleasing cabinet design, designed
to complement the latest LED screen designs

Choose from a vast range of colour options from NSC and RAL to match your cabinet colour and screen to your interior. Artcoustic has created a true all-rounder, covering most medium SPL applications, where high performance and aesthetics is a focal point.



front view



rear view

FEATURES

SL EVOLVE 2-1

This multi-purpose monitor shares many characteristics with the other models in the Evolve range. Maintaining Artcoustic's clean contemporary design, the SL Evolve 2-1 has been designed to match all modern flat screen monitors.

The SL Evolve 2-1 is a very flexible loudspeaker, designed for use in smaller rooms for home cinema or HiFi, as well as for multi-room applications in kitchens, bedrooms, studies, etc.

PHASE OPTIMISATION AND CONTROLLED FREQUENCY OVERLAP BASS SYSTEM, EXTENDED LOW FREQUENCY

EXTREMELY SMALL AND COMPACT CABINET DESIGN

LOW DISTORTION

LOW POWER CONSUMPTION

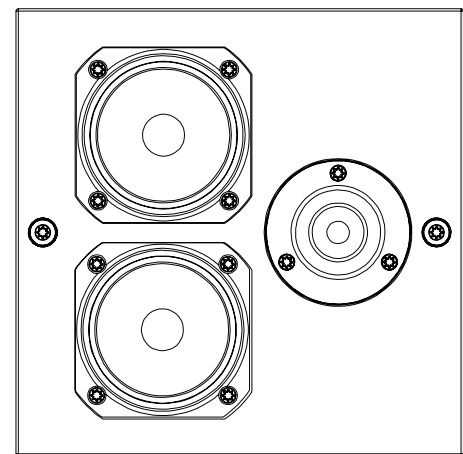
WIDE FREQUENCY RESPONSE 70 HZ TO 40 KHZ

FAST, EASY AND SIMPLE INSTALLATION

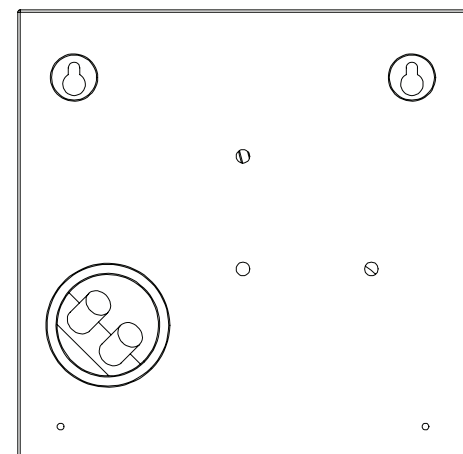
SUITABLE FOR A WIDE RANGE OF APPLICATION, from HiFi Systems, Multi Room Systems and smaller Home Cinemas

Ultra-slim aesthetically pleasing cabinet design, designed to complement the latest LED screen designs

Choose from a vast range of colour options from NSC and RAL to match your cabinet colour and screen to your interior. Artcoustic has created a true all-rounder, covering most medium SPL applications, where high performance and aesthetics is a focal point.



front view



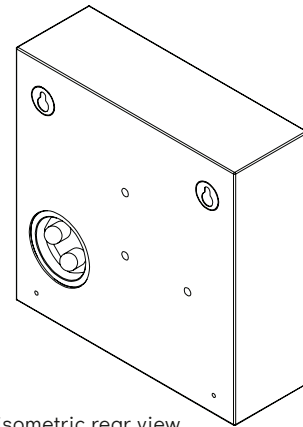
rear view

FEATURES

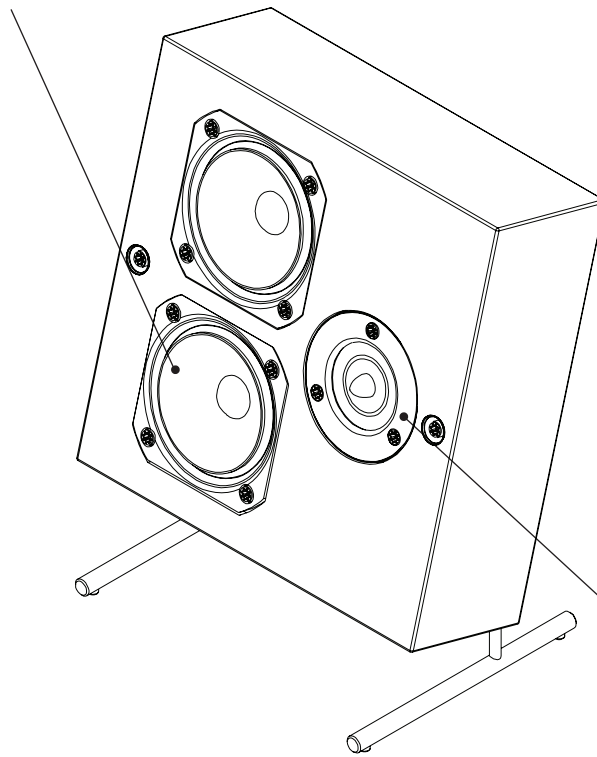
COMPONENTS OVERVIEW

WOOFER

Extra long excursion and aluminium Short Circuiting Ring, 4-layer voice coil, anodised aluminium for improved heat dissipation, combined with Distortion Reduced Motor.



isometric rear view



SL Evolve 2-1 isometric front view

CROSSOVER

6 dB/octave low pass and 12 dB/octave high pass filter.

HIGH FREQUENCY DRIVER

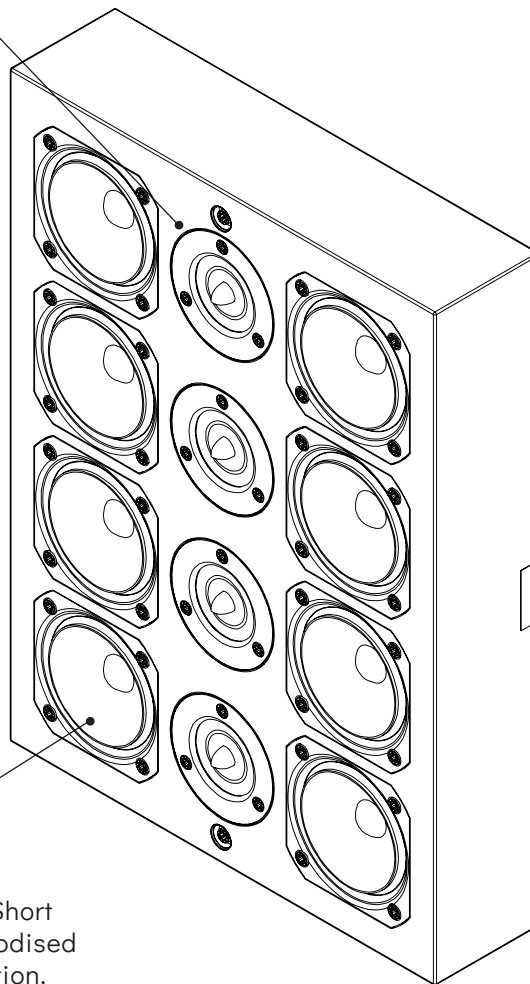
Dual Ring Radiator diaphragm with highly linear suspension and low loss surrounds for high clarity and clean transient response. Copper caps for better HF extension and lower distortion and wave-guide center plug, copper-clad aluwire.

FEATURES

COMPONENTS OVERVIEW

HIGH FREQUENCY DRIVER

Dual Ring Radiator diaphragm with highly linear suspension and low loss surrounds for high clarity and clean transient response. Copper caps for better HF extension and lower distortion and wave-guide center plug, copper-clad aluwire.



WOOFER

Extra long excursion and aluminium Short Circuiting Ring, 4-layer voice coil, anodised aluminium for improved heat dissipation, combined with Distortion Reduced Motor.

SL Evolve 8-4 isometric view

CROSSOVER

6 dB/octave low pass and 12 dB/octave high pass filter.

SPECIFICATIONS

SL EVOLVE 1-1

TRANSDUCER

LF-MF 1 x 3 inch cone

HF 1 x 1 inch Dual Ring Radiator

CROSSOVER

Low Pass Filter 6 dB/octave 1000 Hz

High Pass Filter 12 dB/octave 4000 Hz

CONNECTION

Single amp'd Gold Plated Push Terminals

PERFORMANCE

Operating Range 70 Hz (-3dB) to 40 kHz

Axial Sensitivity (Half Space SPL) LF/MF-HF 89 dB

Calculated Axial Output Limit (Half Space SPL) Average Peak 104 dB

Maximum Power Handling 2 hours of 6 dB crest factor pink noise,
30 Watt RMS (AES Standard)

Input Impedance Nominal 7 ohms

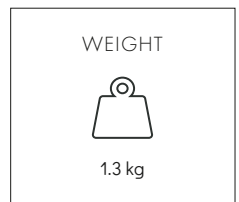
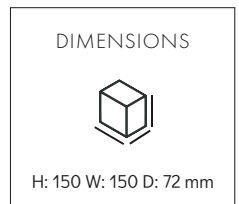
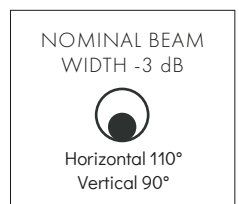
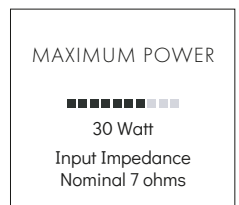
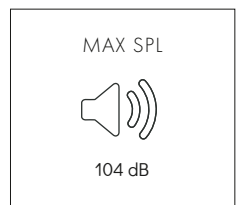
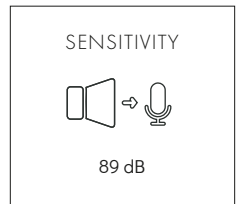
Nominal Beamwidth -3 dB Horizontal 110° Vertical 90°

Recommended High Pass Filter 100 Hz, 24 dB/octave

DESIGN

Cabinet: Black, White, RAL, NCS.

Screen: Black, White, RAL, NCS, Artcoustic Art Gallery



SPECIFICATIONS

SL EVOLVE 2-1

TRANSDUCER

LF-MF 2 x 3 inch cones

HF 1 x 1 inch Dual Ring Radiator

CROSSOVER

Low Pass Filter 6 dB/octave 1000 Hz

High Pass Filter 12 dB/octave 4000 Hz

CONNECTION

Single amp'd Gold Plated Push Terminals

PERFORMANCE

Operating Range 55 Hz (-3dB) to 40 kHz

Axial Sensitivity (Half Space SPL) LF/MF-HF 91 dB

Calculated Axial Output Limit (Half Space SPL) Average Peak 108 dB

Maximum Power Handling 2 hours of 6 dB crest factor pink noise,
60 Watt RMS (AES Standard)

Input Impedance Nominal 4 ohms

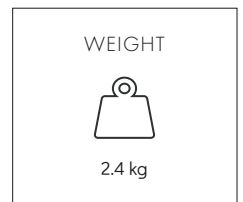
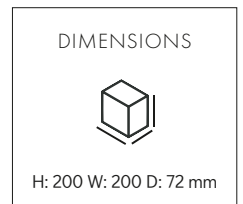
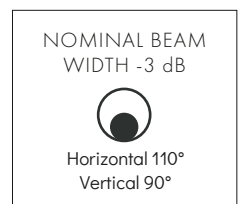
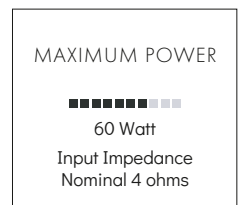
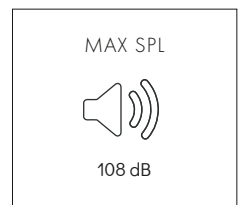
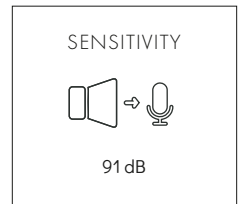
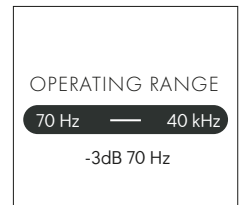
Nominal Beamwidth -3 dB Horizontal 110° Vertical 90°

Recommended High Pass Filter 100 Hz, 24 dB/octave

DESIGN

Cabinet: Black, White, RAL, NCS.

Screen: Black, White, RAL, NCS, Artcoustic Art Gallery



SPECIFICATIONS

SL EVOLVE 3-1

TRANSDUCER

LF-MF 3 x 3 inch cones, Symmetric Phase Aligned
HF 1 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

CROSSOVER

Low Pass Filter 6 dB/octave 1000 Hz
High Pass Filter 12 dB/octave 4000 Hz

CONNECTION

Single amped Gold Plated Push Terminals

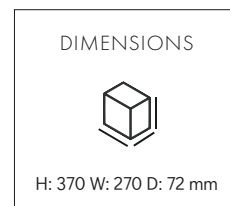
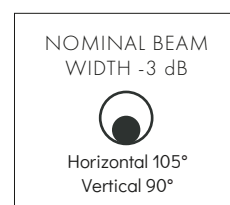
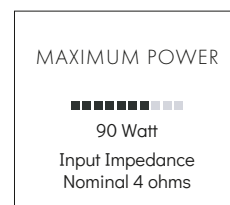
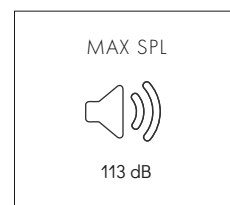
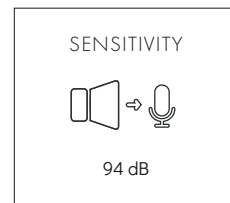
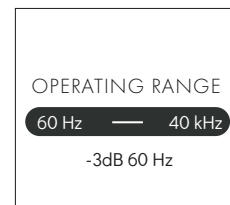
PERFORMANCE

Operating Range 60 Hz (-3dB) to 40 kHz
Axial Sensitivity (Half Space SPL) LF/MF-HF 94 dB
Calculated Axial Output Limit (Half Space SPL) Average Peak 113 dB
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,
90 Watt RMS (AES Standard)
Input Impedance Nominal 4 ohms
Nominal Beamwidth -3 dB Horizontal 105° Vertical 90°

Recommended High Pass Filter 100 Hz, 24 dB/octave

DESIGN

Cabinet: Black, White, RAL, NCS.
Screen: Black, White, RAL, NCS, Artcoustic Art Gallery



SPECIFICATIONS

SL EVOLVE 4-2

TRANSDUCER

LF-MF 4 x 3 inch cones, Symmetric Phase Aligned
HF 2 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

CROSSOVER

Low Pass Filter 6 dB/octave 1000 Hz
High Pass Filter 12 dB/octave 4000 Hz

CONNECTION

Single amped Gold Plated Push Terminals

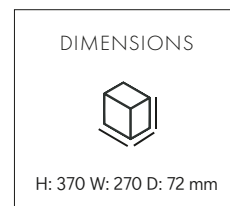
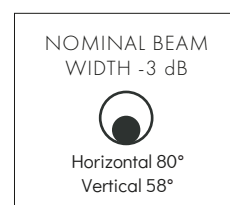
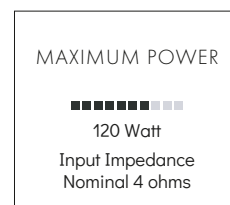
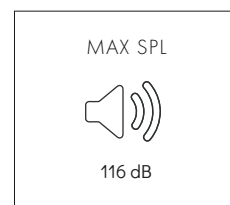
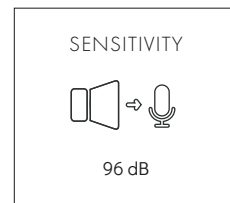
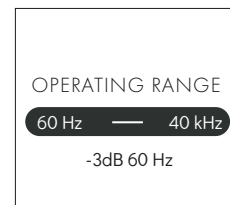
PERFORMANCE

Operating Range 60 Hz (-3dB) to 40 kHz
Axial Sensitivity (Half Space SPL) LF/MF-HF 96 dB
Calculated Axial Output Limit (Half Space SPL) Average Peak 116 dB
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,
120 Watt RMS (AES Standard)
Input Impedance Nominal 4 ohms
Nominal Beamwidth -3 dB Horizontal 80° Vertical 58°

Recommended High Pass Filter 100 Hz, 24 dB/octave

DESIGN

Cabinet: Black, White, RAL, NCS.
Screen: Black, White, RAL, NCS, Artcoustic Art Gallery



SPECIFICATIONS

SL EVOLVE 6-3

TRANSDUCER

LF-MF 6 x 3 inch cones, Symmetric Phase Aligned
HF 3 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

CROSSOVER

Low Pass Filter 6 dB/octave 1000 Hz
High Pass Filter 12 dB/octave 4000 Hz

CONNECTION

Single amp'd Gold Plated Push Terminals

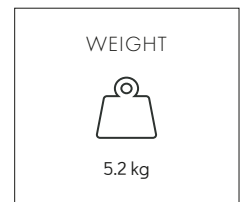
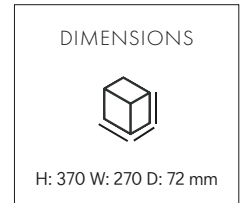
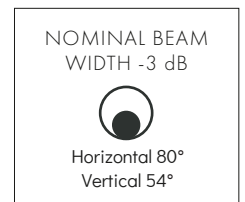
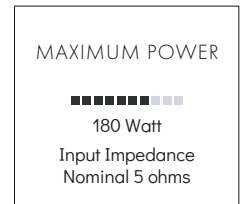
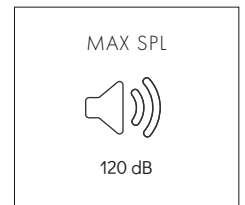
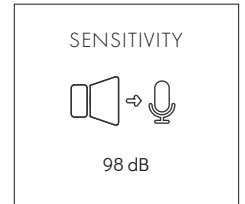
PERFORMANCE

Operating Range 65 Hz (-3dB) to 40 kHz
Axial Sensitivity (Half Space SPL) LF/MF-HF 98 dB
Calculated Axial Output Limit (Half Space SPL) Average Peak 120 dB
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,
180 Watt RMS (AES Standard)
Input Impedance Nominal 5 ohms
Nominal Beamwidth -3 dB Horizontal 80° Vertical 54°

Recommended High Pass Filter 100 Hz, 24 dB/octave

DESIGN

Cabinet: Black, White, RAL, NCS.
Screen: Black, White, RAL, NCS, Artcoustic Art Gallery



SPECIFICATIONS

SL EVOLVE 8-4

TRANSDUCER

LF-MF 8 x 3 inch cones, Symmetric Phase Aligned
HF 4 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

CROSSOVER

Low Pass Filter 6 dB/octave 1000 Hz
High Pass Filter 12 dB/octave 4000 Hz

CONNECTION

Single amped Gold Plated Push Terminals

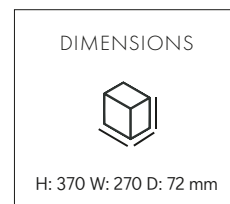
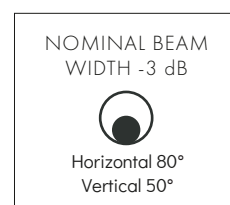
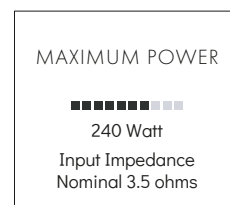
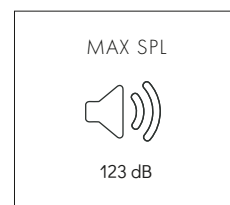
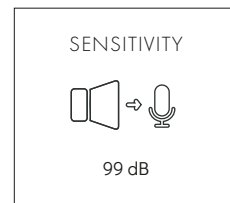
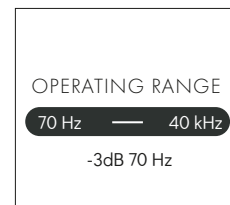
PERFORMANCE

Operating Range 70 Hz (-3dB) to 40 kHz
Axial Sensitivity (Half Space SPL) LF/MF-HF 99 dB
Calculated Axial Output Limit (Half Space SPL) Average Peak 123 dB
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,
240 Watt RMS (AES Standard)
Input Impedance Nominal 3.5 ohms
Nominal Beamwidth -3 dB Horizontal 80° Vertical 50°

Recommended High Pass Filter 100 Hz, 24 dB/octave

DESIGN

Cabinet: Black, White, RAL, NCS.
Screen: Black, White, RAL, NCS, Artcoustic Art Gallery



SPECIFICATIONS

SL EVOLVE 12-6

TRANSDUCER

LF-MF 12 x 3 inch cones, Symmetric Phase Aligned
HF 6 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

CROSSOVER

Low Pass Filter 6 dB/octave 1000 Hz
High Pass Filter 12 dB/octave 4000 Hz

CONNECTION

Single amped Gold Plated Push Terminals

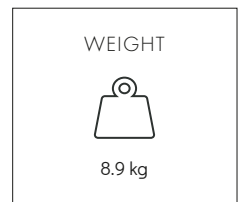
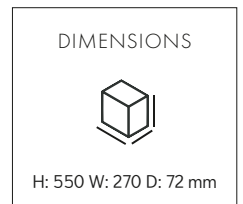
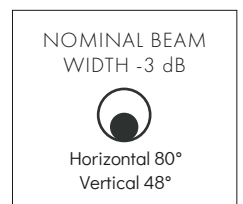
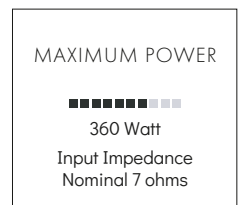
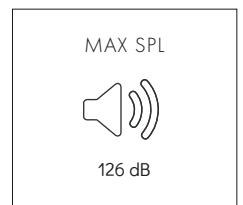
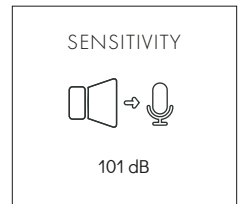
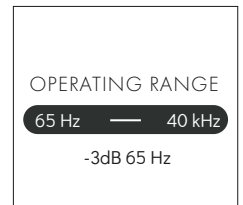
PERFORMANCE

Operating Range 65 Hz (-3dB) to 40 kHz
Axial Sensitivity (Half Space SPL) LF/MF-HF 101 dB
Calculated Axial Output Limit (Half Space SPL) Average Peak 126 dB
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,
360 Watt RMS (AES Standard)
Input Impedance Nominal 7 ohms
Nominal Beamwidth -3 dB Horizontal 80° Vertical 48°

Recommended High Pass Filter 100 Hz, 24 dB/octave

DESIGN

Cabinet: Black, White, RAL, NCS.
Screen: Black, White, RAL, NCS, Artcoustic Art Gallery



SPECIFICATIONS

SL EVOLVE 16-8

TRANSDUCER

LF-MF 16 x 3 inch cones, Symmetric Phase Aligned
HF 8 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

CROSSOVER

Low Pass Filter 6 dB/octave 1000 Hz
High Pass Filter 12 dB/octave 4000 Hz

CONNECTION

Single amp'd Gold Plated Push Terminals

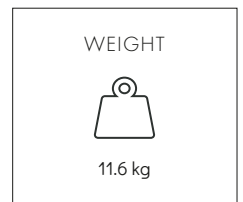
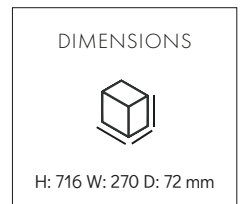
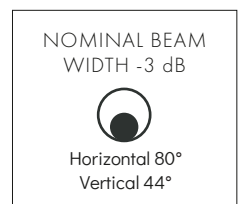
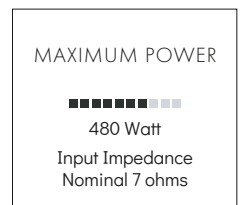
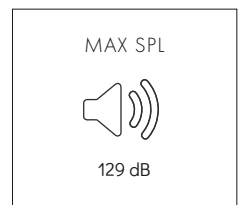
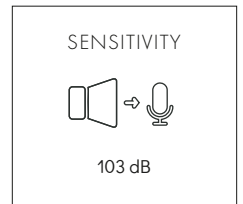
PERFORMANCE

Operating Range 75 Hz (-3dB) to 40 kHz
Axial Sensitivity (Half Space SPL) LF/MF-HF 103 dB
Calculated Axial Output Limit (Half Space SPL) Average Peak 129 dB
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,
480 Watt RMS (AES Standard)
Input Impedance Nominal 7 ohms
Nominal Beamwidth -3 dB Horizontal 80° Vertical 44°

Recommended High Pass Filter 100 Hz, 24 dB/octave

DESIGN

Cabinet: Black, White, RAL, NCS.
Screen: Black, White, RAL, NCS, Artcoustic Art Gallery



SPECIFICATIONS

SL EVOLVE 24-12

TRANSDUCER

LF-MF 24 x 3 inch cones, Symmetric Phase Aligned
HF 12 x 1 inch Dual Ring Radiator, Symmetric Phase Aligned

CROSSOVER

Low Pass Filter 6 dB/octave 1000 Hz
High Pass Filter 12 dB/octave 4000 Hz

CONNECTION

Single amped Gold Plated Push Terminals

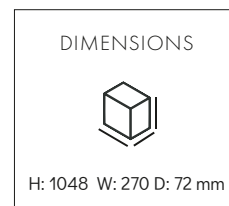
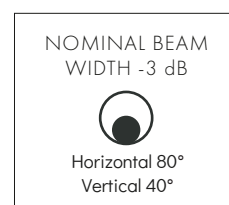
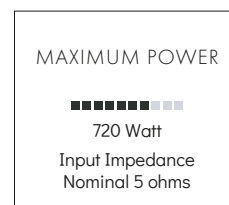
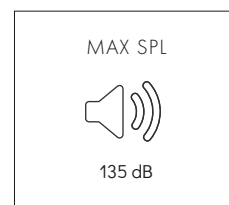
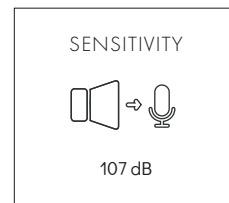
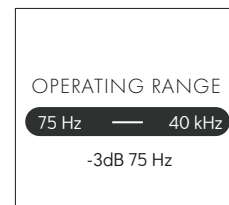
PERFORMANCE

Operating Range 75 Hz (-3dB) to 40 kHz
Axial Sensitivity (Half Space SPL) LF/MF-HF 107 dB
Calculated Axial Output Limit (Half Space SPL) Average Peak 135 dB
Maximum Power Handling 2 hours of 6 dB crest factor pink noise,
720 Watt RMS (AES Standard)
Input Impedance Nominal 5 ohms
Nominal Beamwidth -3 dB Horizontal 80° Vertical 40°

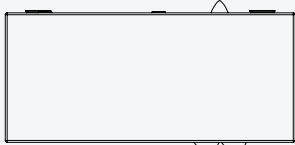
Recommended High Pass Filter 100 Hz, 24 dB/octave

DESIGN

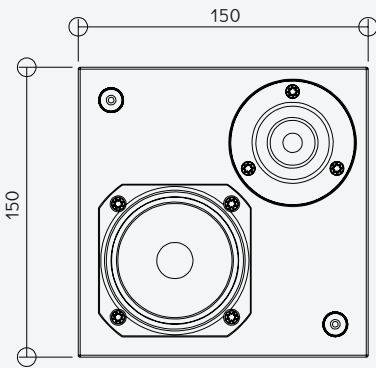
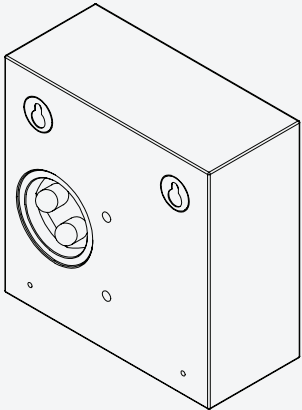
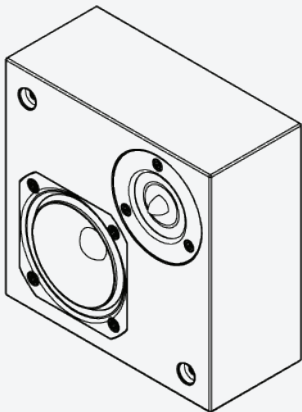
Cabinet: Black, White, RAL, NCS.
Screen: Black, White, RAL, NCS, Artcoustic Art Gallery



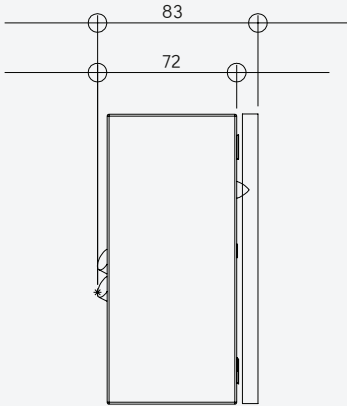
SCHEMATICS



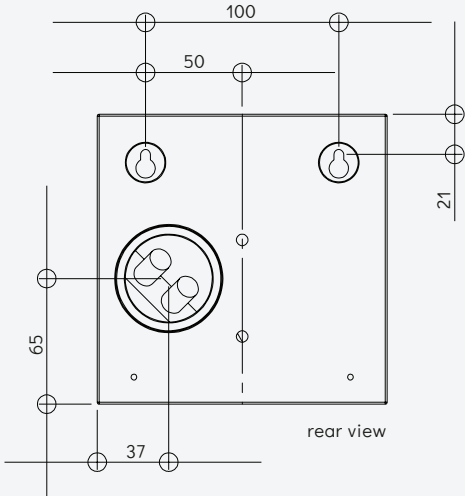
bottom view



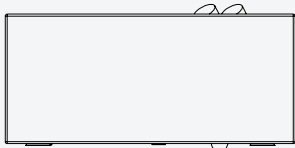
front view



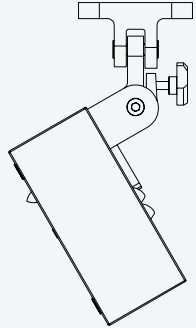
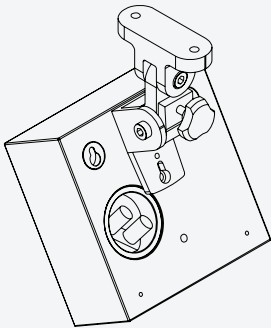
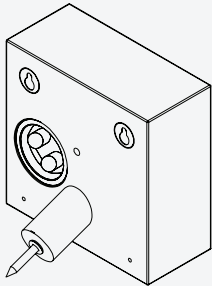
side view



rear view



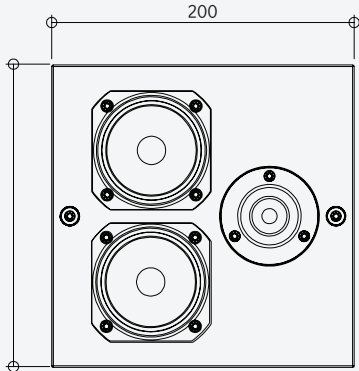
top view



SCHEMATICS



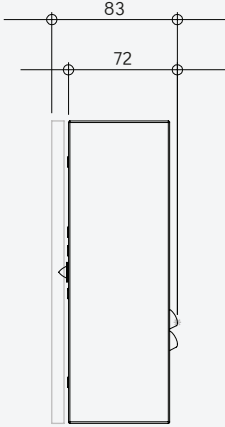
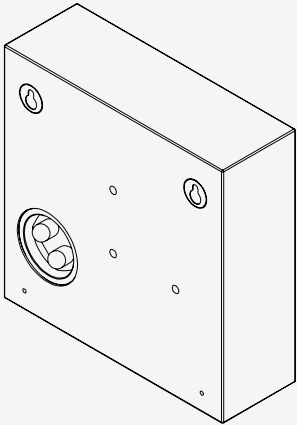
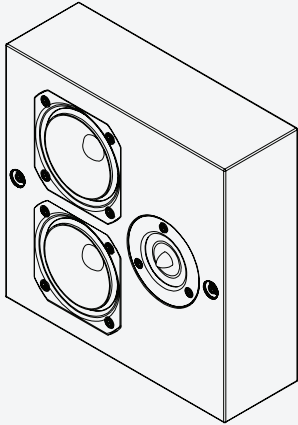
bottom view



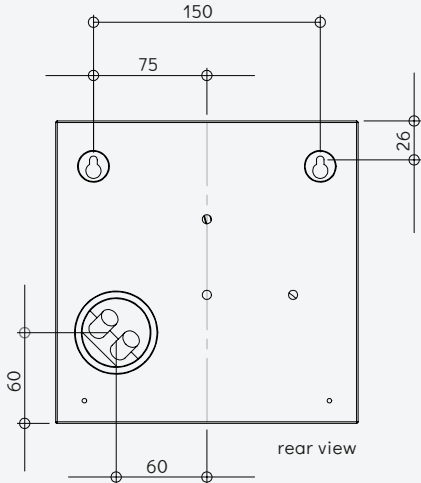
front view



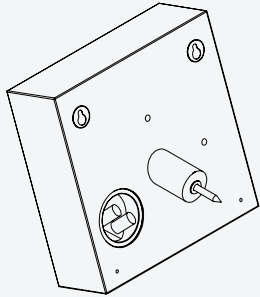
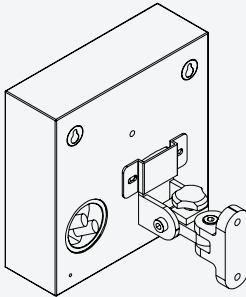
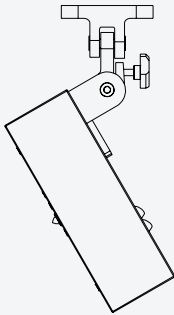
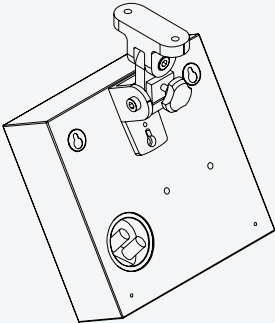
top view



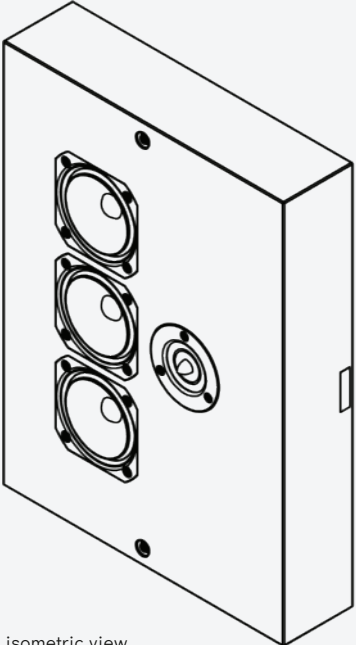
side view



rear view



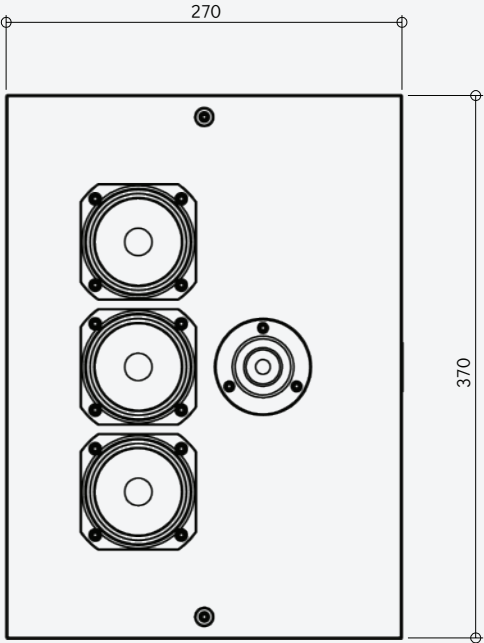
SCHEMATICS



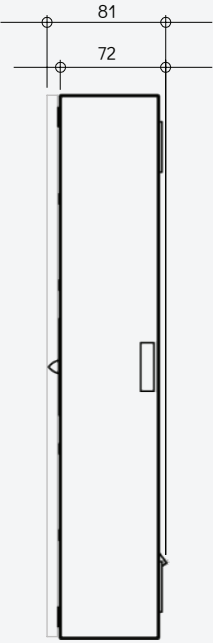
isometric view



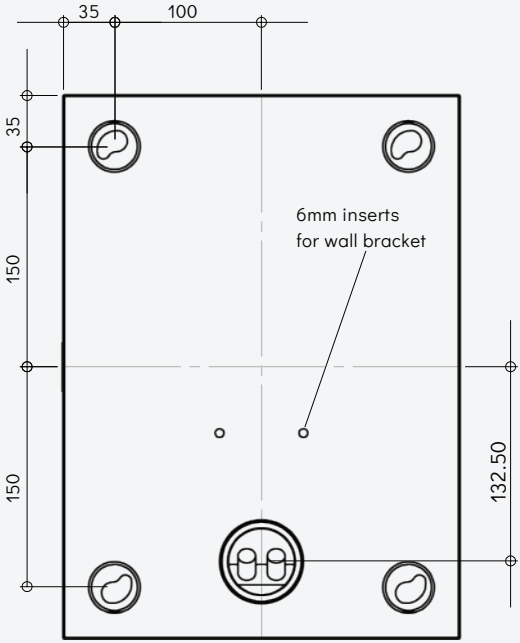
top view



front view

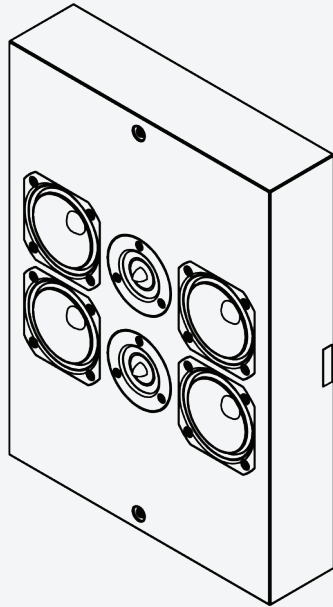


side view

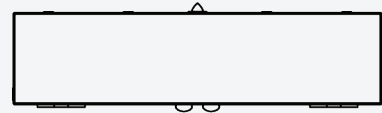


rear view

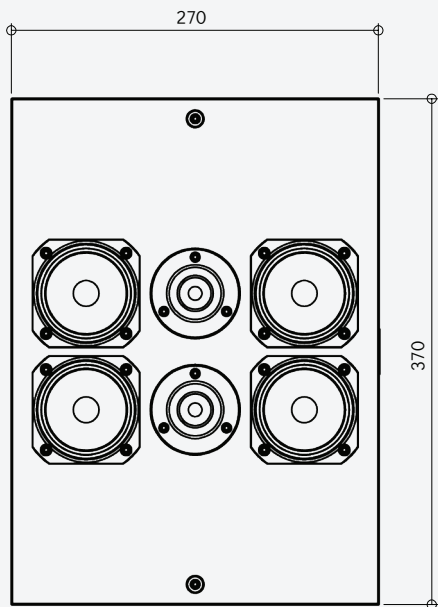
SCHEMATICS



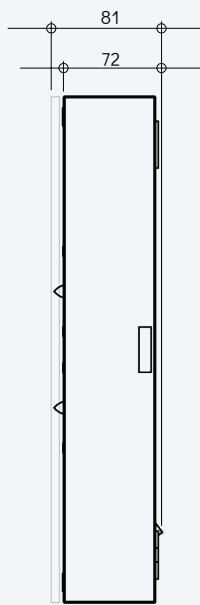
isometric view



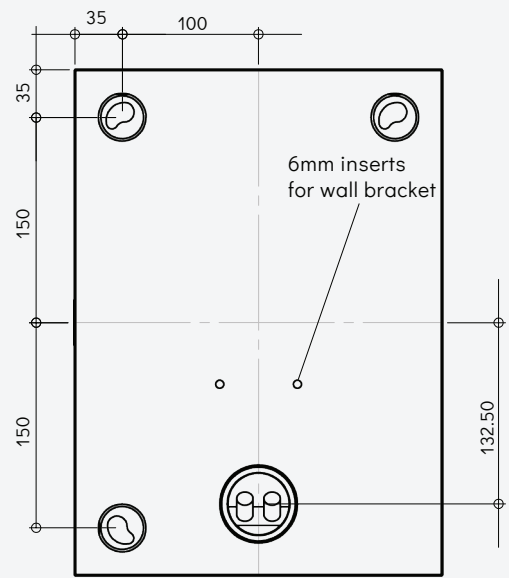
top view



front view

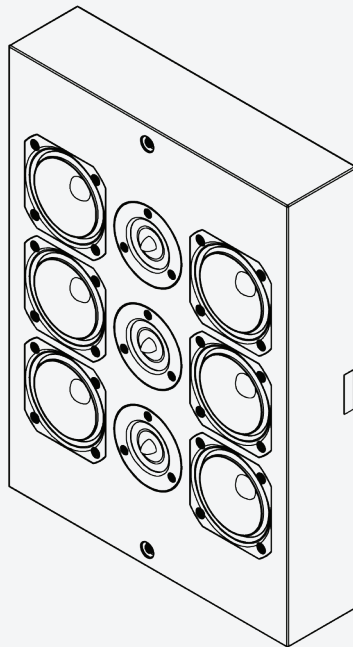


side view

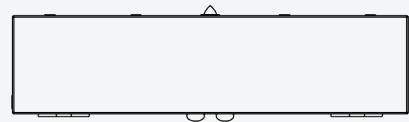


rear view

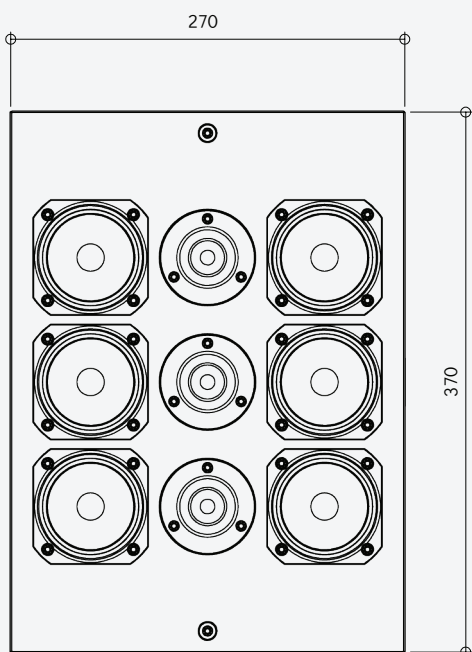
SCHEMATICS



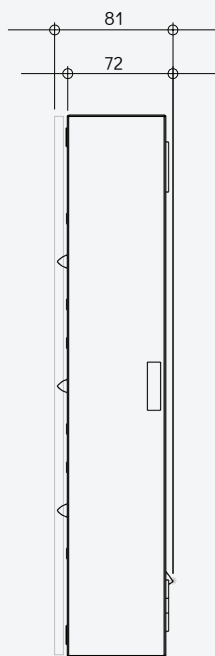
isometric view



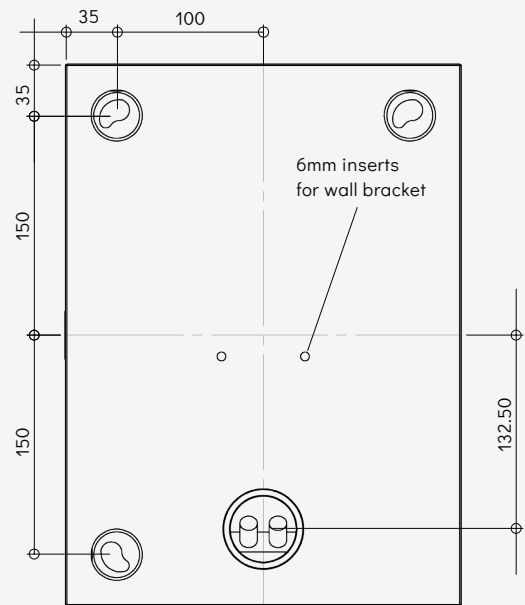
top view



front view

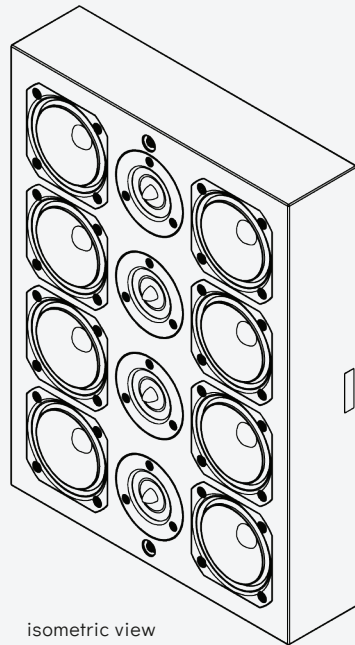


side view

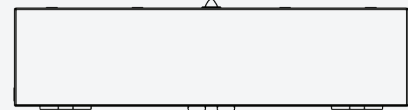


rear view

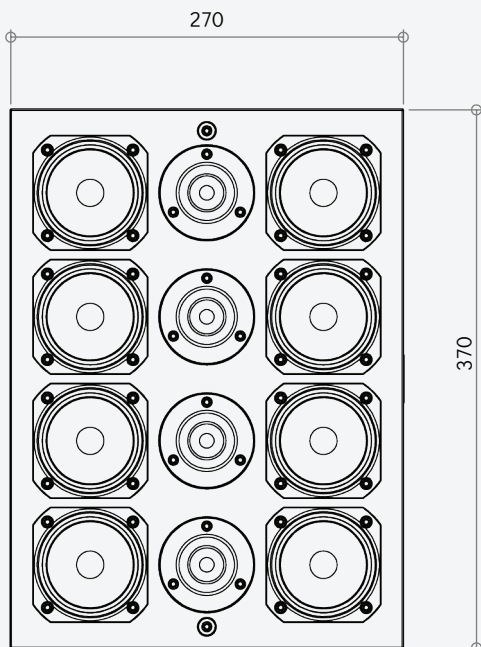
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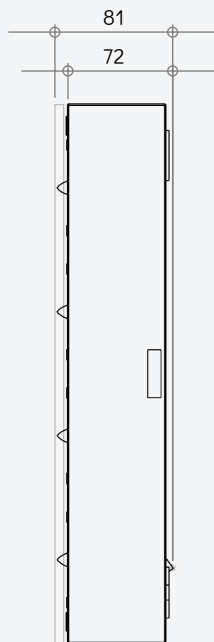
isometric view



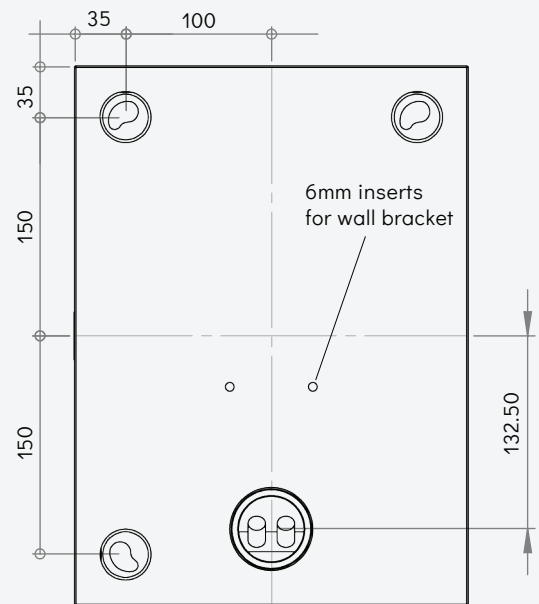
top view



front view

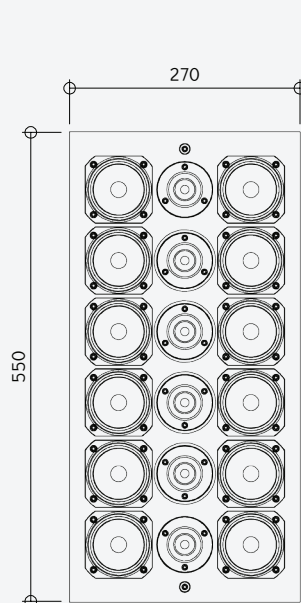


side view

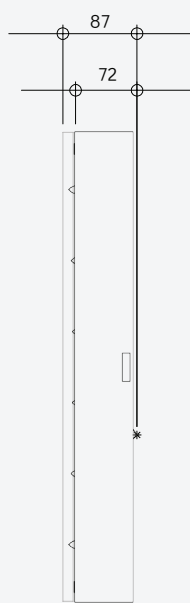


rear view

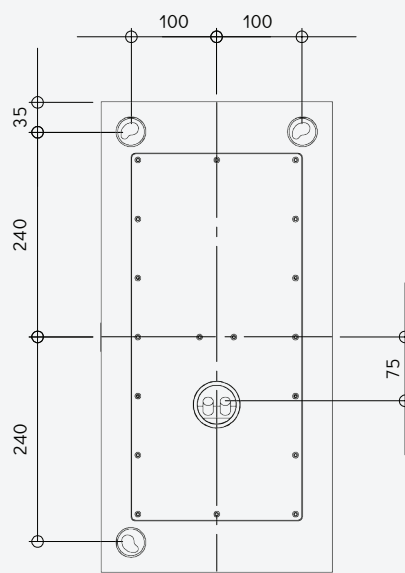
SCHEMATICS



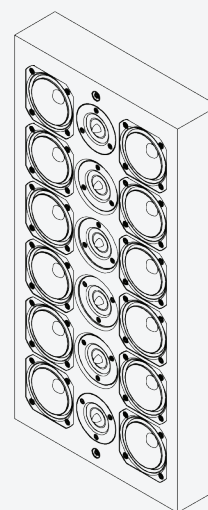
front view



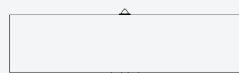
side view



rear view

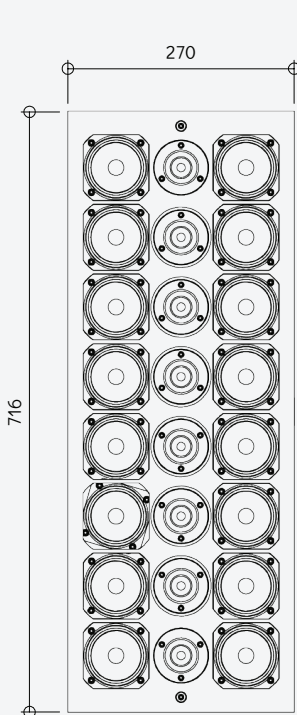


isometric view

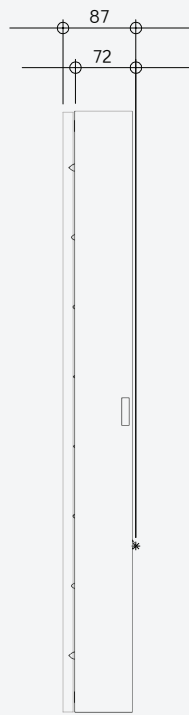


top view

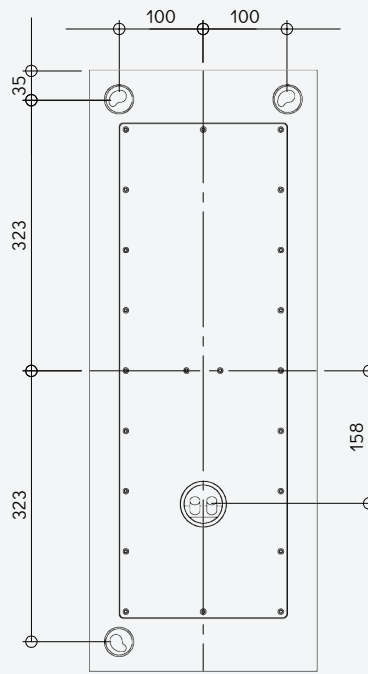
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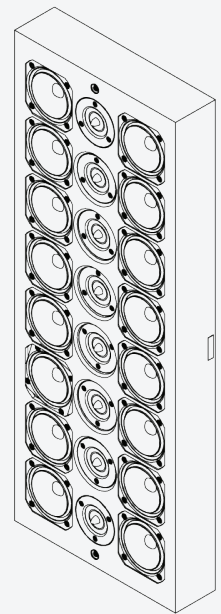
front view



side view



rear view

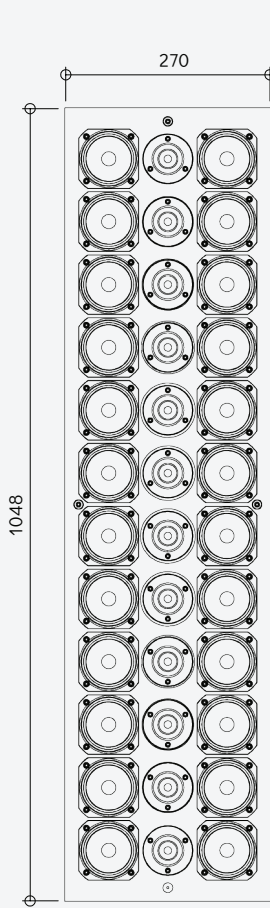


isometric view

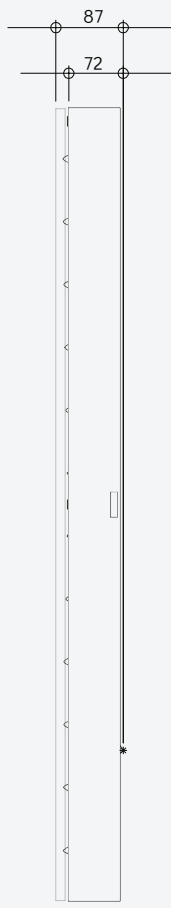


top view

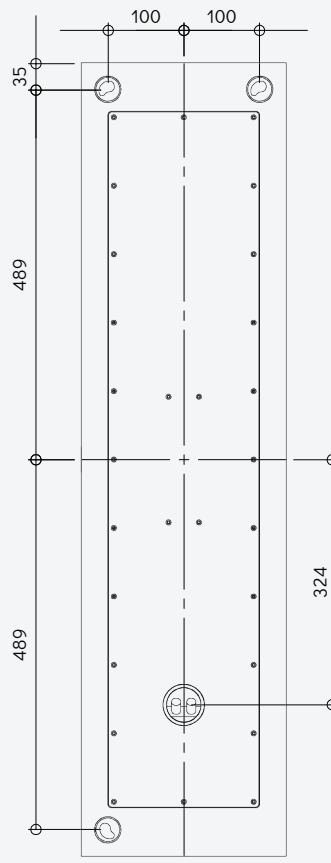
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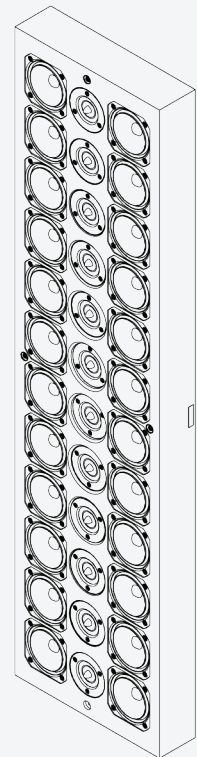
front view



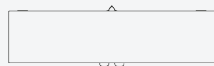
side view



rear view



isometric view



top view

MOUNTING INSTRUCTION

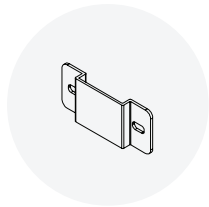


Universal Alu Mount
Mount to wall with suitable wall plugs

isometric rear view side view

SL Evolve 1-1
Mount speaker to bracket, rotating clockwise

inserts wall



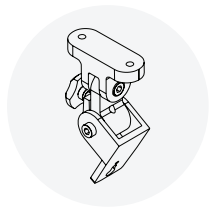
Universal Bracket Mount
Attach bracket mount to speaker rear side

isometric rear view

Artcoustic Universal Bracket
Mount bracket to wall, with suitable screws

SL Evolve 1-1
Fit speaker on bracket mounted on wall

inserts

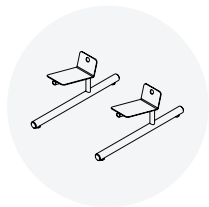


Artcoustic Universal Bracket
Mount bracket to ceiling with suitable screws

isometric rear view

SL Evolve 1-1
Mount bracket to speaker

inserts



Speaker Stand

SL Evolve 1-1
Mount stands to speaker with supplied screws

MOUNTING INSTRUCTION

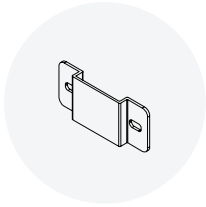


Universal Alu Mount
Mount to wall with suitable wall plugs

isometric rear view side view

SL Evolve 2-1
Mount speaker to bracket, rotating clockwise

inserts wall

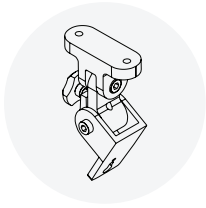


Universal Bracket Mount
Attach bracket mount to speaker rear side

isometric rear view

SL Evolve 2-1
Fit speaker on bracket mounted on wall

inserts wall

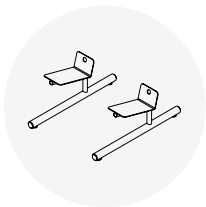


Artcoustic Universal Bracket
Mount bracket to ceiling with suitable screws

SL Evolve 2-1
Mount bracket to speaker

isometric rear view

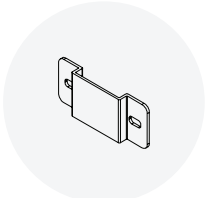
inserts



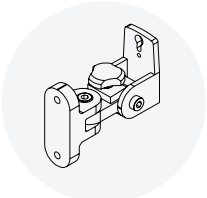
Speaker Stand

SL Evolve 2-1
Mount stands to speaker with supplied screws

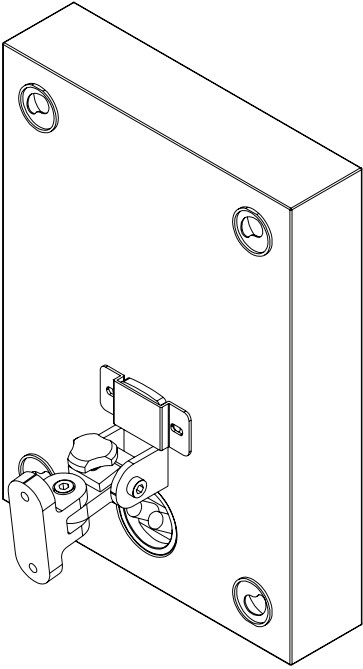
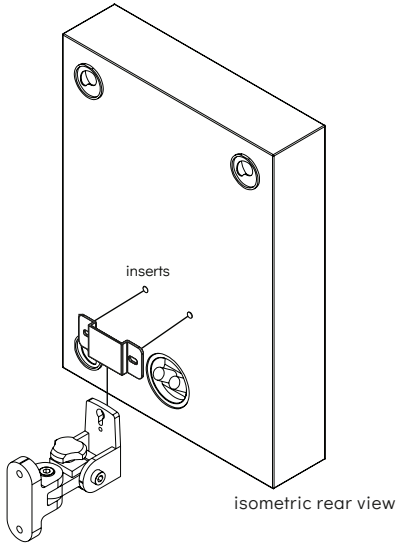
MOUNTING INSTRUCTION



Universal Bracket Mount
Attach bracket mount to
speaker rear side



Artcoustic Universal Bracket
Mount Bracket to wall,
with suitable screws



SL Evolve series
Fit speaker on bracket
mounted on wall

POLAR RESPONSE

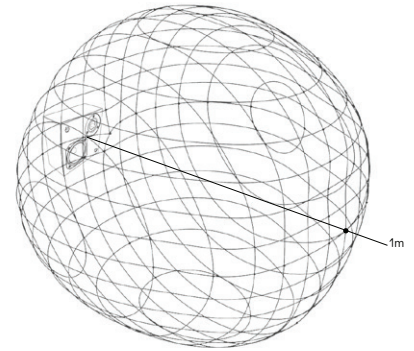
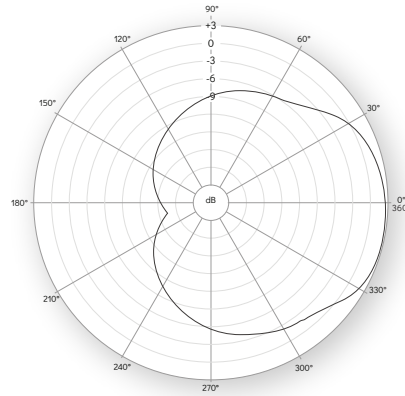
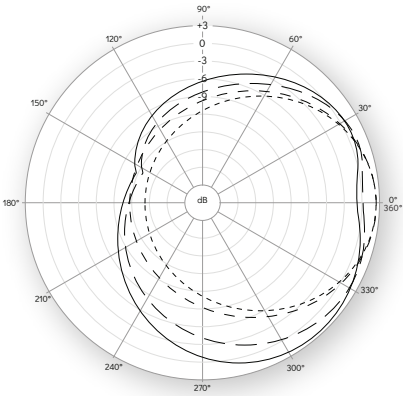
SL EVOLVE 1-1

horizontal polar response 1m

16000Hz - - - - -
 6500Hz - - - - -
 2500Hz - - - - -
 1000Hz - - - - -

vertical polar response 1m

3D polar response 1m



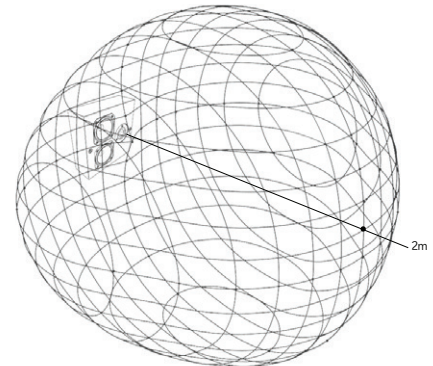
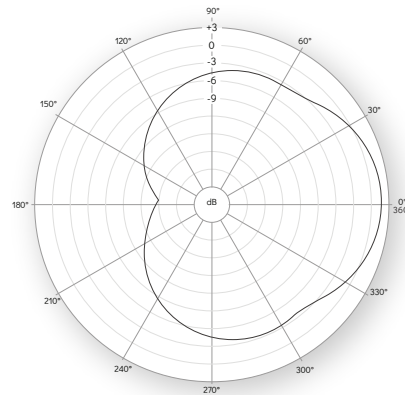
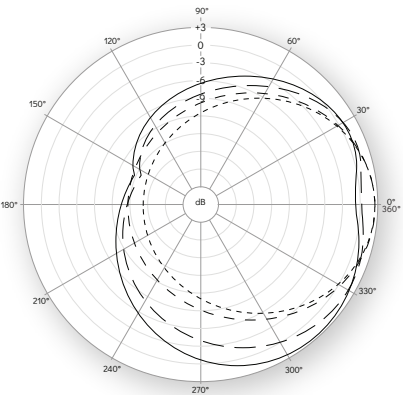
SL EVOLVE 2-1

horizontal polar response 2m

16000Hz - - - - -
 6500Hz - - - - -
 2500Hz - - - - -
 1000Hz - - - - -

vertical polar response 2m

3D polar response 2m



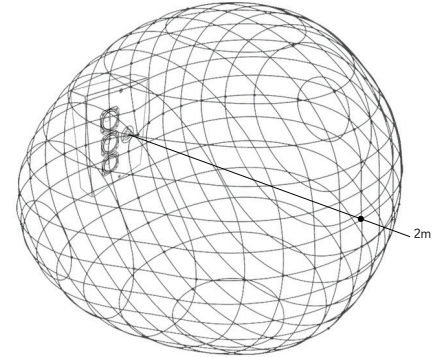
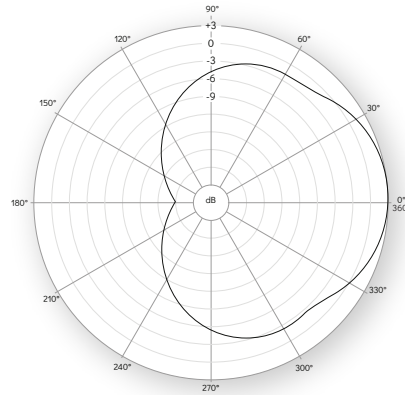
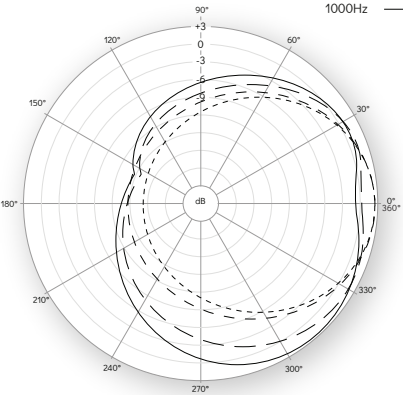
SL EVOLVE 3-1

horizontal polar response 2m

16000Hz - - - - -
 6500Hz - - - - -
 2500Hz - - - - -
 1000Hz - - - - -

vertical polar response 2m

3D polar response 2m

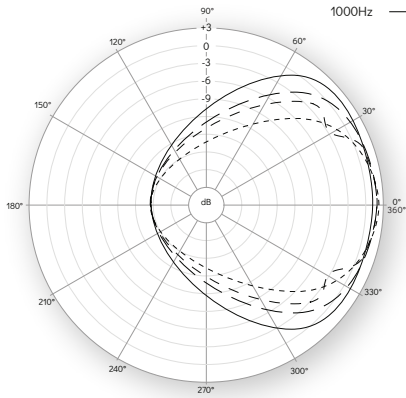


POLAR RESPONSE

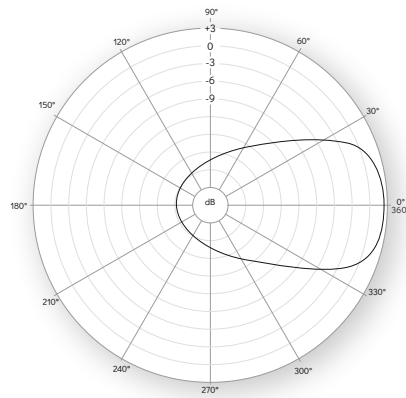
SL EVOLVE 4-2

horizontal polar response 2m

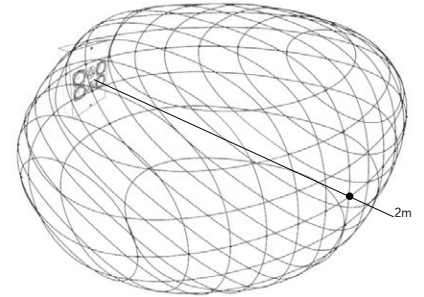
16000Hz - - - - -
 6500Hz - - - - -
 2500Hz - - - - -
 1000Hz - - - - -



vertical polar response 2m



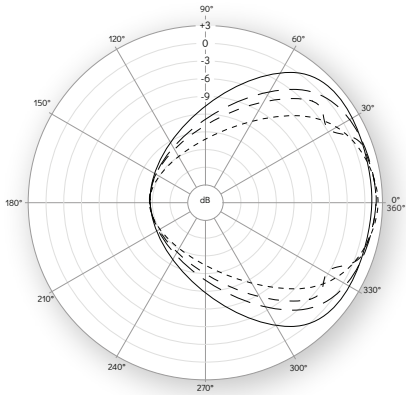
3D polar response 2m



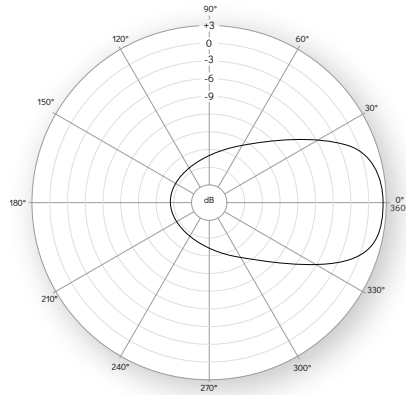
SL EVOLVE 6-3

horizontal polar response 2m

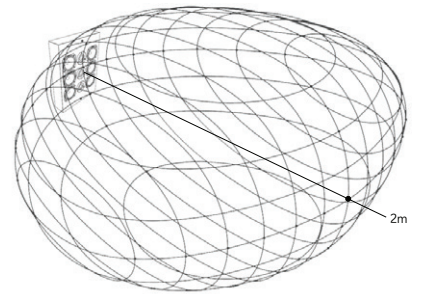
16000Hz - - - - -
 6500Hz - - - - -
 2500Hz - - - - -
 1000Hz - - - - -



vertical polar response 2m



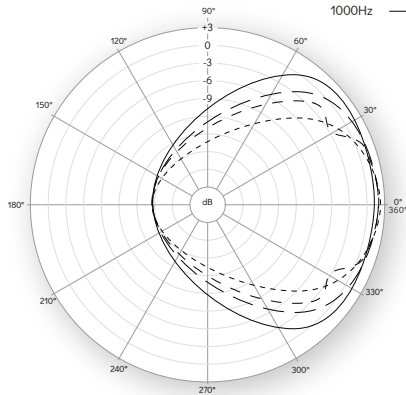
3D polar response 2m



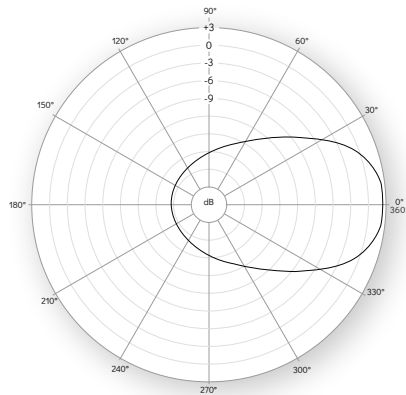
SL EVOLVE 8-4

horizontal polar response 2m

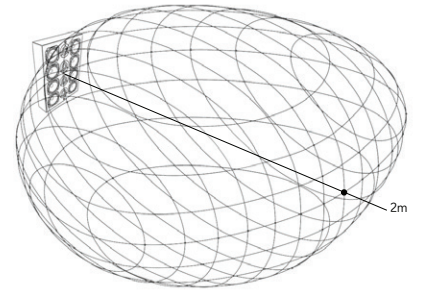
16000Hz - - - - -
 6500Hz - - - - -
 2500Hz - - - - -
 1000Hz - - - - -



vertical polar response 2m



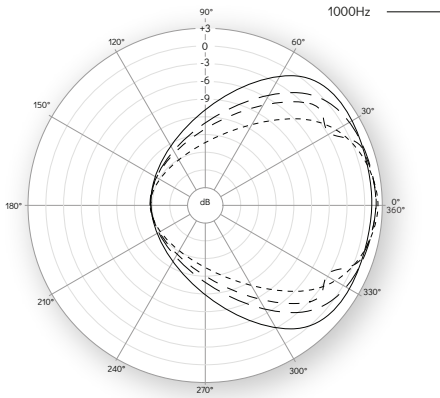
3D polar response 2m



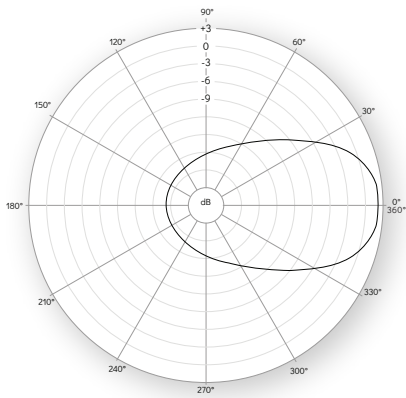
POLAR RESPONSE

SL EVOLVE 12-6

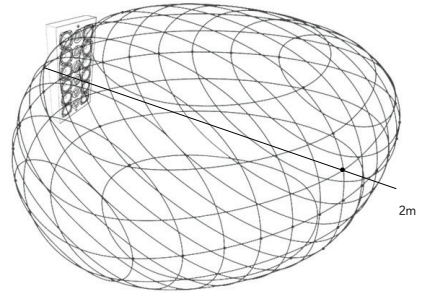
horizontal polar response 2m



vertical polar response 2m

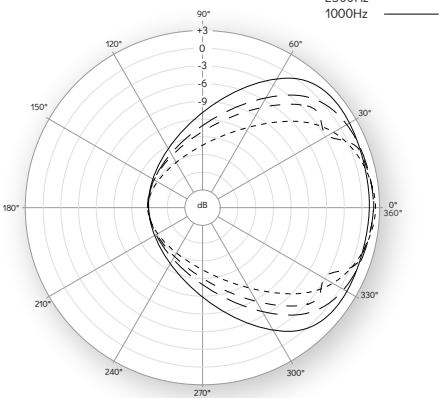


3D polar response 2m

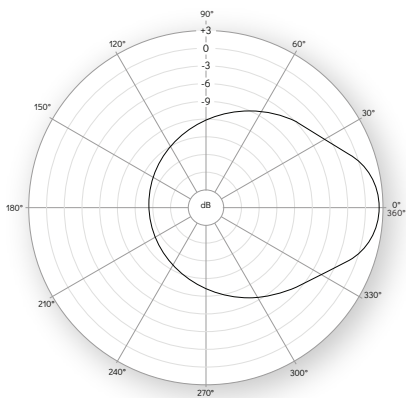


SL EVOLVE 16-8

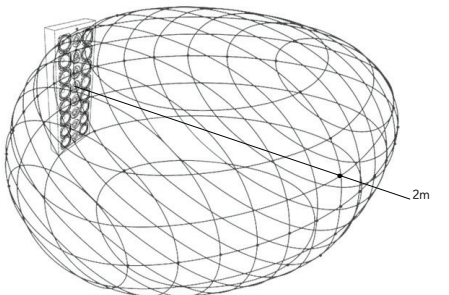
horizontal polar response 2m



vertical polar response 2m

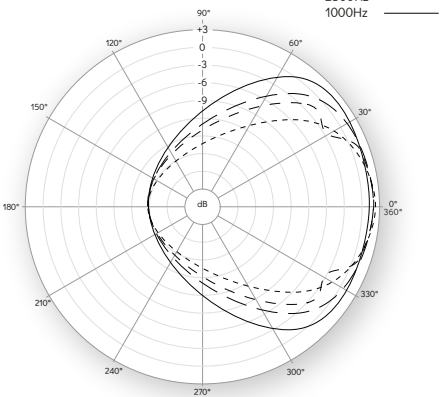


3D polar response 2m

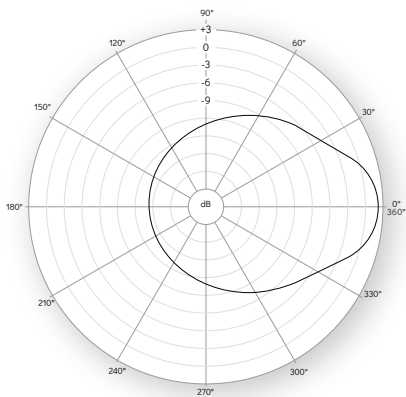


SL EVOLVE 24-12

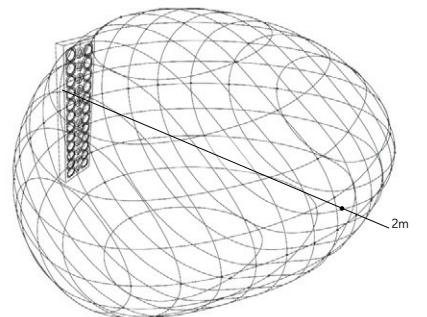
horizontal polar response 2m



vertical polar response 2m



3D polar response 2m



ARTCOUSTIC LINE ARRAY EXPLAINED

ARTCOUSTIC LINE ARRAY ADVANTAGES

As it is with lighting design and methods, all of these audio design solutions has advantages and disadvantages, we have listed out some of the obvious advantages we find important using line array type of designs.

EXTENDED FLAT FREQUENCY RESPONSE UP TO 20KHZ
over a wide horizontal and vertical angle.

DETAILED AND TRANSPARENT SWEET SPOT
with analmost magical ability of making the actualspeakers acoustically disappear.

HIGH SENSITIVITY AND EXCEPTIONAL SOUND PRESSURE LEVEL

LOW DISTORTION

BENCH MARK TRANSIENT RESPONSE

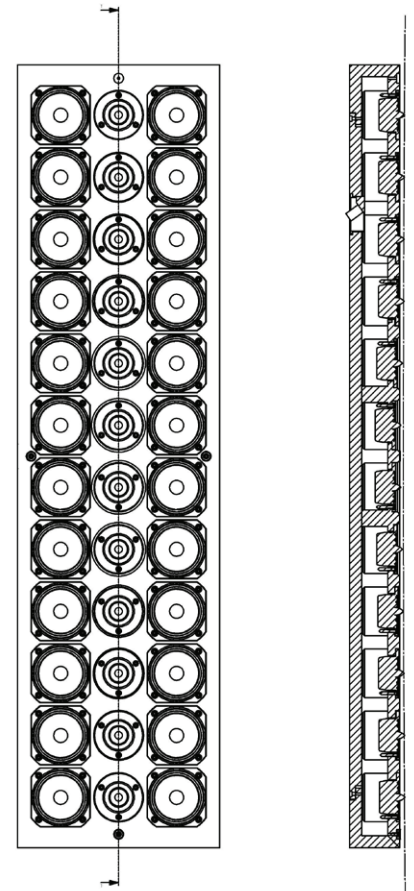
GUIDED DIRECTIVITY
with near perfect response curve +/- 3 dB over long distance.

PLUG AND PLAY EASY TO INSTALL APPROACH
eliminating installation mistakes and misunderstandings.

MINIMUM LOSS OF ACOUSTIC ENERGY
over double distance -5 dB.

MINIMUM ROOM ACOUSTIC INTERFERENCE
less room treatment needed.

PREDICTABLE AND CONSISTENT PERFORMANCE



ARTCOUSTIC TIME ALIGNED ARRAY

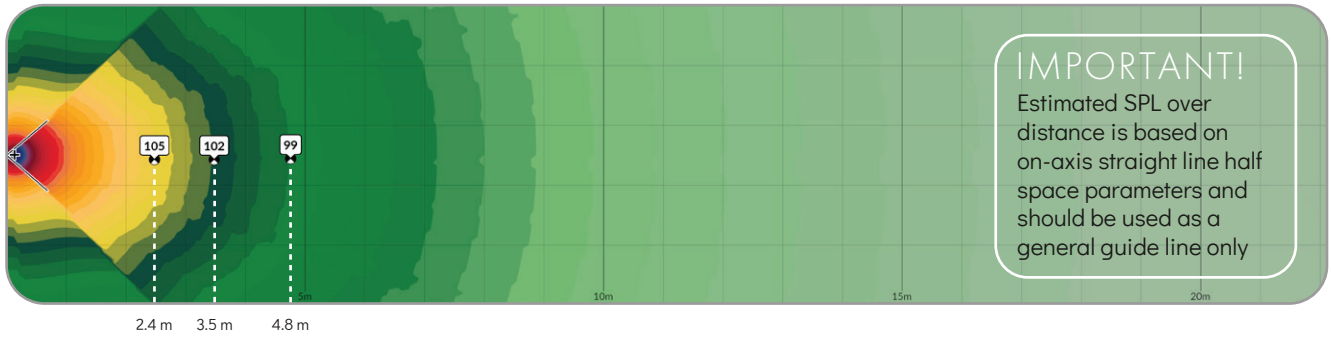
With the Artcoustic Time Aligned Array, we have managed to solve a number of typical array problems, by placing an even number of high frequency transducers in a precise, mathematically calculated position.

We achieve near perfect frequency response, minimized phase overlap and comb filtering, coupled with exceptional high sound pressure level and reduced acoustic loss over double listening distance.

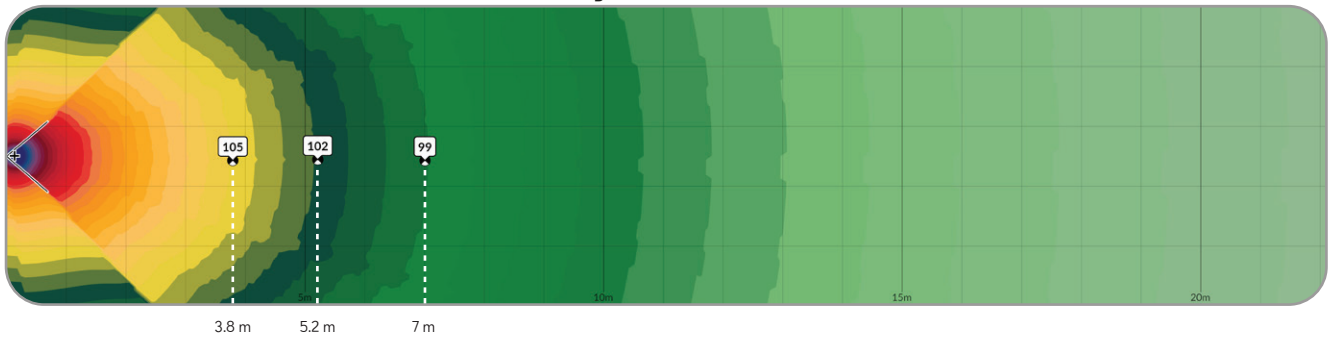
We have also managed to control the energy output on the vertical axis, reducing floor and ceiling reflections, resulting in a constant and highly predictable performance, so basically with the Artcoustic array speakers, every room will sound the same without the use of extensive acoustic room correction material.

ARRAY SPL VS DISTANCE, HALF SPACE

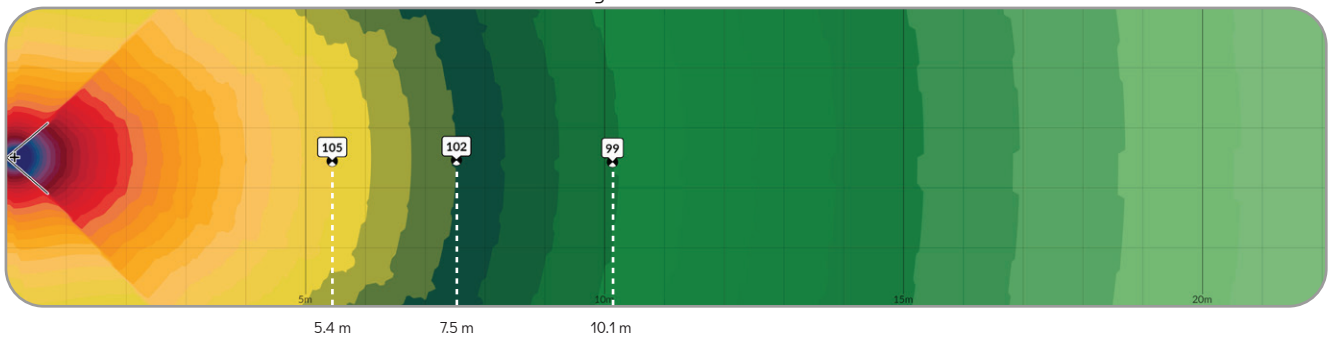
SL EVOLVE 3-1 at 90 Watt (Max Power Handling)



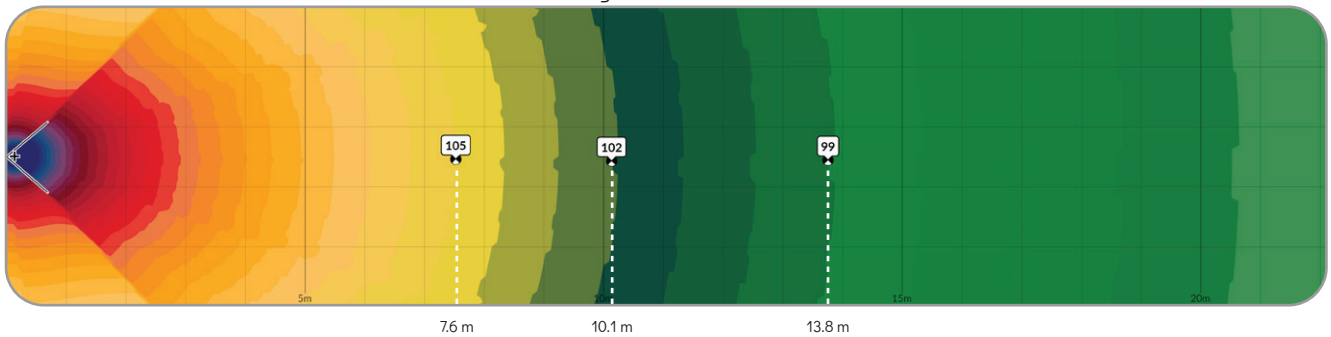
SL EVOLVE 4-2 at 120 Watt (Max Power Handling)



SL EVOLVE 6-3 at 180 Watt (Max Power Handling)

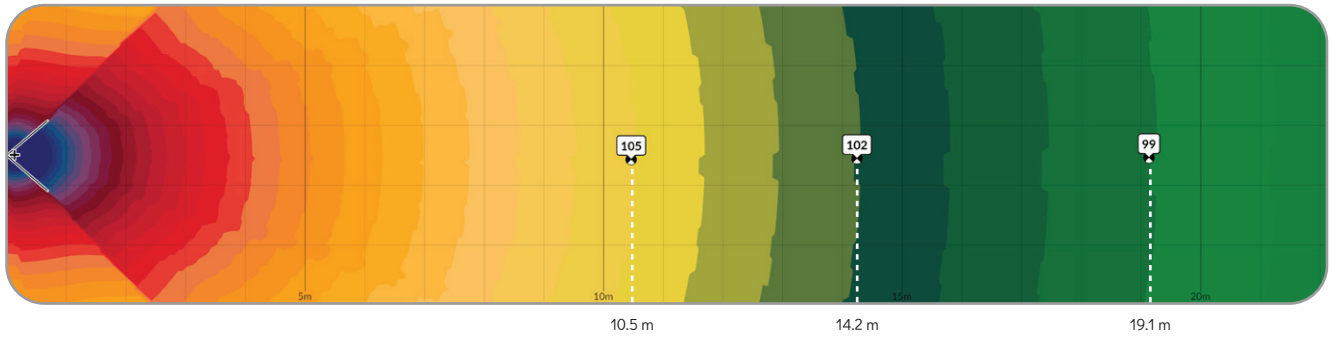


SL EVOLVE 8-4 at 240 Watt (Max Power Handling)

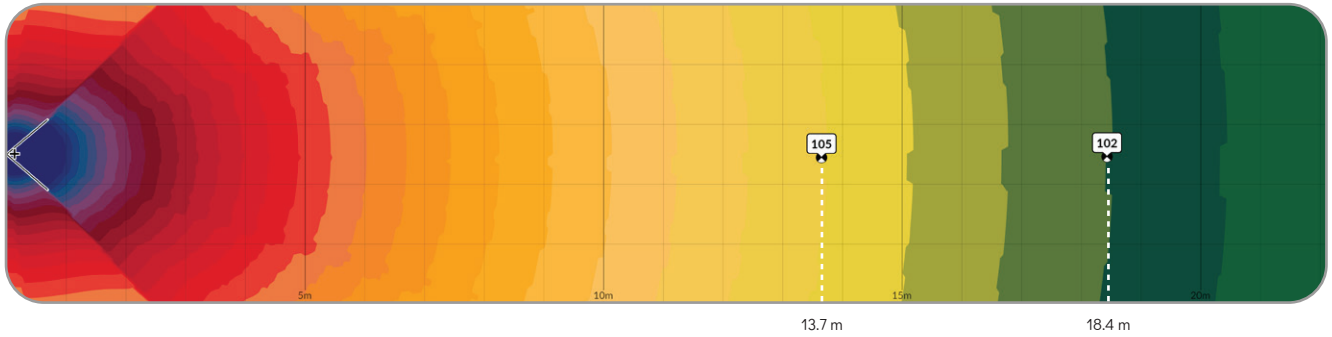


ARRAY SPL VS DISTANCE, HALF SPACE

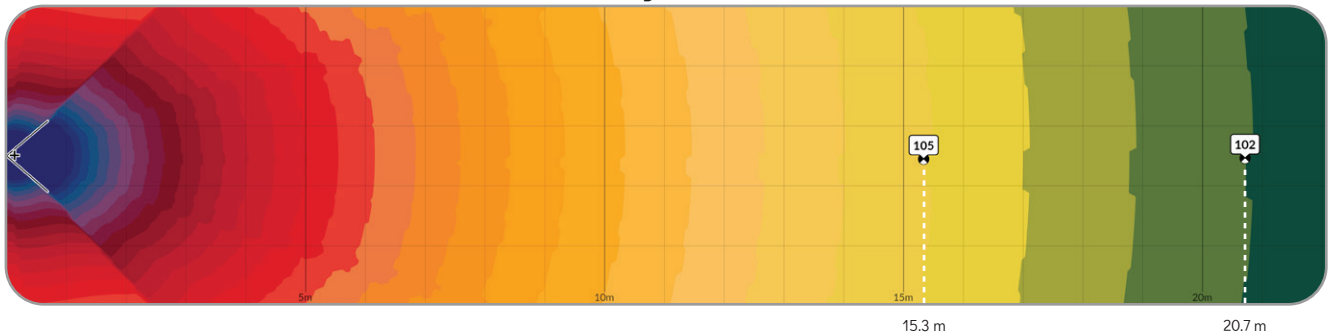
SL EVOLVE 12-6 at 360 Watt (Max Power Handling)



SL EVOLVE 16-8 at 480 Watt (Max Power Handling)









SL EVOLVE 24-12 at 720 Watt (Max Power Handling)



ARRAY SPL VS DISTANCE, HALF SPACE

HIGHLIGHTS

| | | | | | |
|--|---|---|---|---|---|
| Distance (m) at which reference is achieved Max Power reference |  |  |  |  |  |
| Reference Level | SL Evolve 3-1 | SL Evolve 4-2 | SL Evolve 6-3 | SL Evolve 8-4 | SL Evolve 12-6 |
| 105 dB | 2.4 | 3.8 | 5.4 | 7.6 | 10.5 |
| 102 dB (105 dB ref -3dB) | 3.5 | 5.2 | 7.5 | 10.1 | 14.2 |
| 99 dB (105 dB ref -6dB) | 4.8 | 7 | 10.1 | 13.8 | 19.1 |
| Dispersion -vertical/horizontal -3 dB | 90° / 105° | 58° / 80° | 54° / 80° | 50° / 80° | 48° / 80° |

| | | |
|--|---|---|
| Distance (m) at which reference is achieved Max Power reference |  |  |
| Reference Level | SL Evolve 16-8 | SL Evolve 24-12 |
| 105 dB | 13.7 | 15.3 |
| 102 dB (105 dB ref -3dB) | 18.4 | 20.7 |
| 99 dB (105 dB ref -6dB) | - | - |
| Dispersion -vertical/horizontal -3 dB | 44° / 80° | 40° / 80° |

SAFETY INSTRUCTIONS

SAFETY



Do not use this product near water



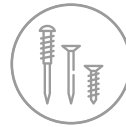
Clean rear panel with dry cloth only



Do not block any ventilation opening



Do not install near any heat sources



If wall-mounted, ensure the use of matching screws and rawl plugs

WARNING

This product complies with Part 15 of the FCC Rules. Its operation is subject to the following two conditions:

- This product may not cause harmful interference.
- This product must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

To reduce the risk of fire and electric shock do not expose this product to rain or moisture.



Do not place product filled with liquids such as vases on the product.



Do not open product. There are no user-serviceable parts inside.



Always use the power supply shipped with this product. Using a power supply with wrong voltage or polarity, can damage the electronics.



WARRANTY

IS APPLICABLE



Is valid only for products purchased from an authorised Artcoustic retailer or dealer.



Is valid from the date of purchase for a period of 3-years for passive loudspeakers, and 2-years for powered loudspeakers and electronics.



Is limited to the repair of the equipment (which could be a repair or replacement at our discretion, neither of which affects your original warranty).



Neither transportation, nor any other costs, nor any risk for removal, transportation and installation of products is covered by this warranty.

IS NOT APPLICABLE

Will not be applicable in cases other than defects in materials and/or workmanship at the time of purchase and will not be applicable:

- For deterioration of component parts, the nature of which is to become worn or depleted with use, such as batteries.
- For damages caused by incorrect installation, connection or packing.
- For damages caused by accidents, lightning, water, fire heat, war, public disturbances or any other cause beyond the reasonable control of Artcoustic and its appointed distributors.
- For damages caused by any use other than correct use described in the user manual, negligence, modifications, or use of parts that are not made or authorized by Artcoustic.

If it is found necessary to return the product for repair, you will be given a form to fill out and return. You should not return the product without previous acceptance. To validate your warranty, you will need to produce the original sales invoice or other proof of ownership and date of purchase.