Lagos W - Diffuser

Lagos is the result of extensive research into diffusion techniques – it is based on a traditional QRD diffuser, but combine varying widths with each cell depth, overcoming some of the limitations of the standard QRD diffuser.

The phase grating surface of the diffuser is designed to provide a more uniform sound field through mid-high frequency diffusion. The well depths are individually tuned to enhance performance at certain frequencies, essentially increasing the effective range of the panel, without compromising the overall linear response – Lagos performs 15-20% lower with a linear frequency response.

The panels' semi-cylindrical response pattern makes it the perfect solution for multichannel rooms and can easily be installed in specific arrays to provide 2D diffusion. Lagos is available in both wood and fabric finishes, making it a versatile solution to match your performance and design requirements.

Features

Type:
1D - QRD Diffuser

Scattering range:
350 Hz to 6000 Hz

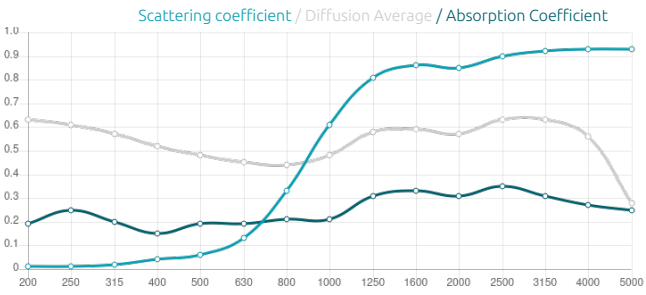
Purpose

- Improving low frequency response
- Flutter echo control
- Specular reflection control
- Enlarging sweet spot

Recommended for

- Hi-Fi Listening Room
- Media Room
- Home Cinema

Performance



Why use diffusion?
Diffuser panels scattering incoming sound waves into smaller, lower energy waves, scattered over a large area. These scattered reflections create a homogeneous sound field distribution and a full, balanced acoustic response. This improves speech intelligibility, music quality, and creates a more uniform, larger sweet spot.

This product is available in the following Fire Rate:
FG | Furniture Grade

———

PRODUCT COMPOSITION:

Lagos W | Natural wood veneer (FG)
- Natural wood veneer
- HMDF and plywood structure

Lagos W | Lacquered HMDF (FG)
- Lacquered HMDF
- HMDF and plywood structure

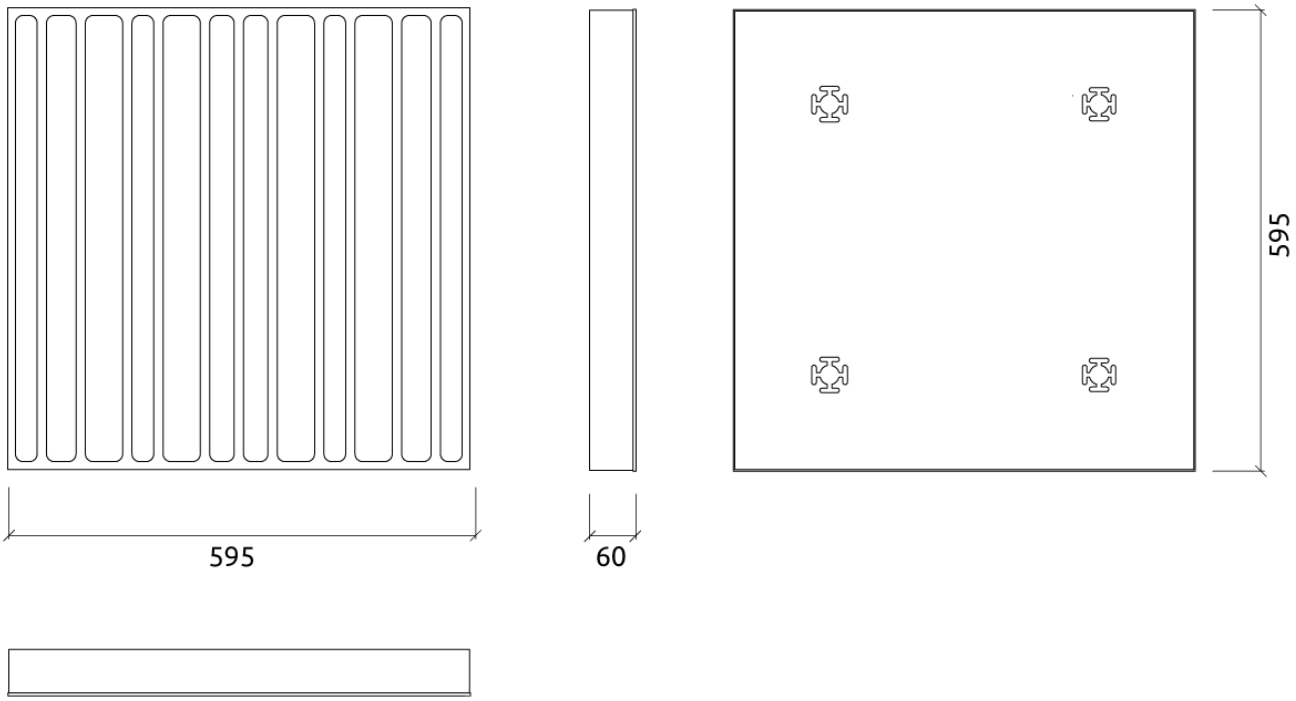
———

Dimensions:
Lagos W | 595x595x60mm

Integrated Fixing System
This panel can be rotated 90° to any orientation

Lagos is designed to be used with other Artnovion products, with the same thickness as our standard absorbers once installed. Lagos is hung on screws, and can be installed on any surface, in any orientation.

Dimensions



Add-ons

Dimensions	Weight
FG - NW | 595x595x60mm	4.06 Kg
FG - LW | 595x595x60mm	4.06 Kg

Box

Quantity per box: 4

Dimensions: 645x405x655mm

Volume: 0.171m3

Weight: 18.72Kg

Finishes

Lagos W - Diffuser

(FG - LW) Lacquered Wood Finishes

FG | (L06) Noir Vintage

Retail code:
202111310010041

FG | (L07) Graphite Black

Retail code:
202111310010051

FG | (L09) Classic Gold

Retail code:
202111310011041

FG | (L10) Bronze

Retail code:
202111310011051

FG | (L20) Grey Aluminium

Retail code:
202111310010111

FG | (L21) Gloss White

Retail code:
202111310010121

FG | (L21) Gloss White | White Interior

Retail code:
202111310019011

FG | (L22) Jet Black

Retail code:
202111310010131

FG | Custom RAL

Retail code:
202111310010001

(FG - NW) Natural Wood Finishes

FG | (W04) Fagus | Fagus Interior

Retail code:
201111310011021

FG | (W08) Wenge Natura

Retail code:
201111310010081

FG | (W09) Black Walnut Natura

Retail code:
201111310010091

FG | (W11) Okoumé Natura

Retail code:
201111310010111

FG | (W12) Ash Natura

Retail code:
201111310010121

FG | (W13) Oak Natura

Retail code:
201111310010131

FG | (W17) Black Ash

Retail code:
201111310010171