

60 / 23 3/5"

60 cm (23 3/5")

MODELS AND SIZES

MODELS

CERS060

CERATMOS[®] is a spherical tridimensional diffusor especially dedicated to Audio Dolby Atmos control rooms. There are two versions of this model: spherical and half-spherical. The Spherical is meant to hang from the celling whereas the half-spherical is to be set on the surfaces of walls or cellings. This device was designed to enhance the acoustic quality of a multi-source control room, like Dolby Atmos. It consists of a spherical shape with intricate surface patterns that evenly scatter sound waves, modal resonances and hot spots, by breaking up direct reflections and redirecting sound energy, thus promoting a more balanced and natural sound field. CERATMOS[®] leads to an improved sound division of each channel source carity, definition, and spaciousness of audio. A reflected sound field from a convex spherical surface is unquestion-ably better than concave surfaces that cause several interferences. Jocavi has developed this model from the scale and size of control rooms. We adapted and segmented the curved shape of a sphere into small and flat elements, replacing the convex curved surface is unvesting. If at plans such as rectangles, trapezoids, and triangles, thus emphasizing and consequently better controlling the scattering factor. This segmentation positively influences the accuracy calculation of the local point of incidence, i.e., of the sweet spot. This spherical diffuser has a wide scattering diffusion coefficient according to Dolby Atmos rooms characteristics. Its depth results in a focused effect taking multi-source surround sound systems into account. CERATMOS[®] is consequently a secondary source that will radiate acoustic pressure to the receptor position, allowing it to form a larger hearing warhead in the position of the receptor yeal positioned diffusers contribute to better distinguish the sound of each channel where accurate sound reproduction is crucial.

CERATMOS

DIFFUSION PANEL

FEATURES

- · Dedicated to Audio Dolby Atmos
- · to be hanged from ceilings
- · larger hearing warhead in the sweet spot position
- Average diffusion: 0.68/m² [>500Hz;<5KHz]
 NRC: 0.14/m² [>250Hz;<10KHz].
- Fire-resistance: VO UL94 standards · Installation: accessories included.
- · Manufactured in HIPS.
- 100% recyclable.

DIFFUSION - ABSORPTION COEFFICIENT

0.04 0.14 0.29 0.33 0.42 0.45 0.47 0.50 0.58 0.63 0.70 0.78 0.80 0.78 0.72 0.70 0.69 0.67 0.69 0.71 0.75 0.76 0.74 0.71 0.73 0.31 αS 0.11 0.19 0.21 0.30 0.31 0.28 0.26 0.31 0.34 0.40 0.41 0.39 0.36 0.34 0.30 0.28 0.27 0.26 0.26 0.22 1.4 1.2 1.0 0.8 DIFFUSION 0.6 0.4 ABSORPTION 0 2 AVERAGE 10k Hz 100 125 160 200 250 315 400 500 630 800 1k 1.25k 1.6k 2k 2.5k 3.15k 4k 5k 8k /NRC

ABSORPTION COEFFICIENT: Values in accordance with the standards: EN 20654, ASTM C423 and EN 11654. DIFFUSION COEFFICIENT: These values were obtained by mathematical calculations and tests carried out in our laboratory Values [<100Hz and > 5K] are Non Standard Values.

09

WEIGHT

34 cm (13 2/5") 5.3 Kg (11 lbs 1oz)

34 / 13 2/5"

CERS060

WIDTH

60 cm (23 3/5")

STANDARD HIPS COLOURS



IMPORTANT NOTICES

- JOCAVI[®] accepts no responsibility for any printing errors. Specifications can be modified without prior notice, if technical or commercial reasons so require. • RAL[®] is an international independent colour standard system partner for industry, trade, architecture and design. Should be consulted before placing any order. • The colours shown on this catalogue are only a reference and an illustration of the products finishing. The colours shown are not binding because brightness, contrast and colour balance may vary due to the printing process. • Colours may vary due to raw-material supplier's changes and some differences may occur in tonal range. • Sizes may vary slightly due to their production method and some inherent raw-materials characteristics.



DESCRIPTION

CERATMOS[®] is a half-spherical tridimensional diffusor especially dedicated to Audio Dolby Atmos control rooms. There are two versions of this model: half-spherical and spherical. The half-spherical is to be set on the surfaces of walls or ceilings whereas the Spherical is meant to hang from the ceiling. This device was designed to enhance the acoustic quality of a multi-source control room, like Dolby Atmos. It consists of a half-spherical shape with intricate surface patterns that evenly scatter sound waves in all directions. This diffusion process helps to minimize flutter choes and standing waves, modal resonances and hot spots, by breaking up direct reflections and redirecting sound energy, thus promoting a more balanced and natural sound field. CERATMOS[®] leads to an improved sound division of each channel source clarity, definition, and spaciousness of audio. A reflected sound field from a convex spherical surface souted was everal interferences. Jocavi has developed this model from the scate and size of control rooms. We dapted and segmented the curved shape of a sphere into small and flat elements, replacing the convex curved surface by small flat elements, replacing the convex curved surfaces the accuracy calculation of the focal point incidence, i.e., of the sweet spot. This half-spherical diffuser has a wide scattering flator condary source that will realidat eacoustic pressure to the receptor position, allowing it to form a larger hearing und spaker sources. These strategically well positioned diffusers contribute to better distinguish the sound systems into account (sweet spot), perfectly influences contracy calculation of each channel source clarity diffuser has under source contract source bas well as a sphere into small and that elements and the searce and size the accuracy calculation of the flocal point incidence, i.e., of the sweet spot. This half-sphereical diffuser has a wide scattering diffuser condary source that will radiate accoustic pressure to the receptor position, allowing it to

FEATURES

- · Dedicated to Audio Dolby Atmos
- · to be set on the surfaces of walls or ceilings
- larger hearing warhead in the sweet spot position
- Average diffusion: 0.68/m² [>500Hz;<5KHz]
- NRC: 0.14/m² [>250Hz;<10KHz].
- Fire-resistance: VO UL94 standards · Installation: accessories included.
- · Manufactured in HIPS.

0.04 0.14 0.2

100% recyclable.

DIFFUSION - ABSORPTION COEFFICIENT

0.33 0.42 0.45

0.47

TECHNICAL DRAWINGS



0.69

MODELS AND SIZES

0.72 0.70 0.69 0.67

MODELS	HEIGHT	WIDTH	DEPTH	WEIGHT	
CER H060	60 cm (23 3/5")	60 cm (23 3/5")	17 cm (6 2/3")	4.3 Kg	(9 lbs 8 oz)

0.71 0.75



0.78

0.70 0.78

DIFFUSION COEFFICIENT: These values were obtained by mathematical calculations and tests carried out in our laboratory

STANDARD HIPS COLOURS



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0.73