

CORNERE AUDIO

# PASSIVE SPEAKER LS1

## DESCRIPTION

LS1 is a very compact speaker designed to be installed or flown horizontally in compact Line Source applications. Flying up to 4 pcs per side, the LS1 is designed for medium to high SPL applications where high output and unexcelled clarity is needed.

Weighing in at less than 7 kg per speaker, the LS one offers very high SPL-to-weight and SPL-to-size ratio. Drive units in the LS1 have been designed by the finest European manufacturers. The 6 1/2" woofer features a strong neodymium magnet with state-of-the-art cooling and less than 1,8 dB power compression after 8 hours of maximum SPL.

The closely spaced 1" horn-loaded dome tweeter offers excellent sensitivity and combines the output of a horn-loaded design with the clarity of a dome tweeter. The extruded aluminium cabinet is well dampened and the triangular shape minimises standing waves inside the cabinet. LS1 offers quality sound reproduction for applications where top performance is a must.



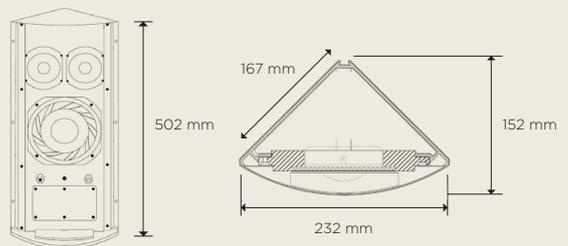
## FEATURES

- 6 1/2" woofer with neo magnet
- 2 x 1" horn loaded dome tweeters
- Aluminium cabinet
- Designed for high SPL applications

## COLOURS

- Black // RAL 9005
- White // RAL 9016

## SPECIFICATIONS



<b>Power handling, IEC268</b>	250 watt
<b>Power handling, peak</b>	1000 watt
<b>Sensitivity, 2,83V/1m</b>	92 dB
<b>Maximum SPL, long term</b>	116 dB
<b>Maximum SPL, peak</b>	122 dB
<b>Frequency response</b>	70-20.000 Hz
<b>Nominal impedance</b>	8 ohm
<b>Dispersion</b>	90x60 degree
<b>Weight</b>	6,4 kg
<b>Measurement</b>	(HxWxD) 502x232x167 mm

## ARCHITECTURAL SPECIFICATIONS

The loudspeaker system shall consist of a 6 ½” woofer with neo magnet system and two 1” horn loaded tweeter with the voice coil dampened with magnetic oil for improved power handling. The frequency dividing network shall utilize polypropylene capacitors to reduce hysteresis and air coils to reduce compression.

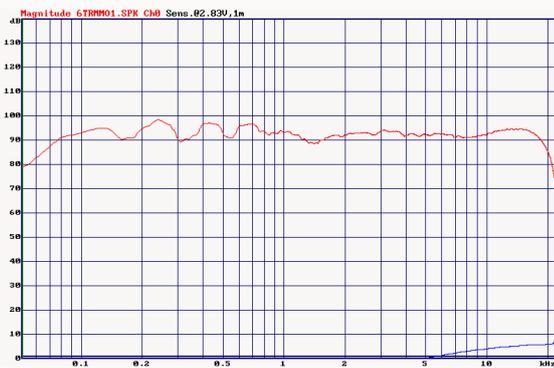
Performance specifications of a typical production shall be as follows: SPL at 1 m with 2.83 V input shall be at least 92 dB. Nominal impedance shall be 8 ohms, with minimum impedance being 5,2 ohm @ 350 Hz. Rated power handling according to IEC 268-5 shall be at least 250 watt.

Frequency response shall be from 70-20kHz +/- 3 dB. Dispersion shall be 90x60 degree. The enclosure shall be rectangular in shape with no visible cable terminals and with a 90 degree angle. It shall be

manufactured of aluminium with an MDF baffle and shall incorporate integrated mounting points which allow up to 8 speakers to be flown horizontally.

The enclosure shall be rectangular in shape with no visible cable terminals and with a 90 degree angle allowing the speaker to be mounted in corners. It shall be manufactured of aluminium with an MDF baffle and shall incorporate integrated mounting points which allow the speaker to be mounted without brackets. Outside dimensions shall be no greater than 502mm (height) x 232mm (width) x 167mm (side) and weight shall be 6,4 kg. The loudspeaker system shall be the Cornered Audio LS1. Outside dimensions shall be no greater than 502mm (height) x 232mm (width) x 167mm (side) and weight shall be 6,4 kg. The loudspeaker system shall be the Cornered Audio LS1.

### FREQUENCY RESPONSE



### IMPEDANCE

