

SSOUNDS CL8C

8" two-way ceiling speaker in a deep scalloped back-can, the CL8's drivers and 70/100 V tapping.

CL stands for Ceiling Loudspeaker.



SSOUNDS CL8C

AT A GLANCE

MODEL / SKU	CATEGORY
SS-CL8C	Commercial Audio
BRAND	DRIVE
SSOUNDS	Passive
CONDITION	
New	
APPLICATIONS	
CEILING	INSTALL
COMMERCIAL	70/100V

OVERVIEW

The CL8C puts the CL8's 8" coaxial woofer and 1" dome tweeter in a deep, scalloped back-can with external spring tabs, closing the speaker off from the ceiling void. Coverage is the same 120° conical pattern down to 55 Hz, with 70 / 100 V tapping at 30, 15 or 7.5 W, or 8 Ω operation. We specify it for retail, hospitality and open-plan offices that want full-range background music from the ceiling, and for voids that are open to the next room.

- 8" coaxial woofer + 1" dome tweeter
- 120° conical coverage
- 55 Hz to 20 kHz (–10 dB)
- 112 dB peak at 1 m, 90 dB sensitivity
- 70 / 100 V tapped (30 / 15 / 7.5 W) or 8 Ω
- Deep scalloped back-can with external spring tabs

SPECIFICATIONS

GENERAL

Type	Passive 2-way coaxial in-ceiling speaker, deep back-can
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ACOUSTIC PERFORMANCE

Frequency response ²	55 Hz - 20 kHz (-10 dB)
Coverage ⁴	120° conical
Maximum SPL ¹	112 dB peak @ 1 m
Sensitivity ³	90 dB (1 W @ 1 m)

TRANSDUCERS & COMPONENTS

Drivers	8" coaxial woofer + 1" dome tweeter
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ELECTRICAL

Recommended amplifier power ⁵	80 W (8 Ω low-Z)
Operation	70 / 100 V line (tapped) or 8 Ω low-Z
Taps (100 V)	30 / 15 / 7.5 W

CONNECTORS & I/O

Connectors	Screw terminal
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PHYSICAL & CONSTRUCTION

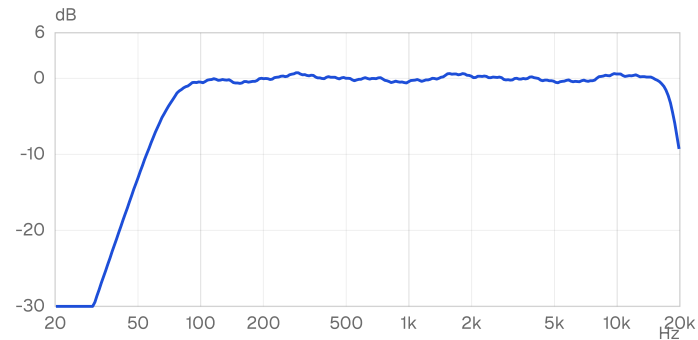
Enclosure	Scalloped back-can · external spring tabs
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NOTES

1. Maximum SPL is the peak level at 1 m, driven with pink noise at crest factor 4 to the clipping point of the recommended amplifier, with the SSOUNDS system preset applied. Full-range enclosures are specified under free-field conditions; figures marked half-space are specified over a reflecting plane, the condition subwoofers are deployed in, which adds approximately 6 dB.
2. Frequency response is specified on axis at 1 m in a free field. The tolerance the figure is referenced to is stated alongside it; where no tolerance is given, the figure is the -6 dB bandwidth.
3. Sensitivity is specified at 1 W into the nominal impedance at 1 m on axis, averaged across the pass band of the enclosure.
4. Coverage angles are nominal -6 dB values averaged across the pass band. Per-octave directivity data is available from SSOUNDS system design support for prediction and modelling.
5. Recommended amplifier power is the amplifier output SSOUNDS specifies for this enclosure, driven with the SSOUNDS system preset. It guides amplifier selection and is not an AES power-handling rating for the transducers.
6. All figures are typical values for production units specified under the conditions above. Individual units may vary within published tolerances.

RESPONSE

FREQUENCY RESPONSE



Frequency response: 55 Hz to 20 kHz (-10 dB) · 1/24-octave smoothed

Plot conditions. Curves are generated by the SSOUNDS engineering toolchain from this product's specification. Frequency response is shown 1/24-octave smoothed, normalised to the midband reference, with the passband corners at the stated tolerance; response varies within ± 1 dB across the passband with a subtle shelf in the top octave. Magnitude slopes are 24 dB/octave beyond the passband corners. The beamwidth curve shows the -6 dB included angle: nominal coverage holds down to the pattern-control limit set by the cabinet width ($f \approx c/w$) and widens below it.

Directivity (isobars / balloon). Measured directivity data (isobars, balloon and GLL/CLF for EASE) is in preparation. We publish measured polars only. Contact us for the current measurement status of this model.

DOWNLOADS & DATA FILES

[SSOUNDS CL8C: User Manual](#)

MANUAL

Loudspeaker data files for prediction software (GLL / CLF for EASE), 2D and 3D drawings and certification documents are issued on request. Contact support@s-soundspro.com and we will send the current release for this model.

ARCHITECTURAL & ENGINEERING SPECIFICATION

The loudspeaker shall be of the SSOUNDS CL8C type, configured as a passive 2-way coaxial in-ceiling speaker, deep back-can. The loudspeaker shall be capable of meeting the following performance criteria: a frequency response of 55 Hz – 20 kHz (-10 dB); a maximum sound pressure level of 112 dB peak @ 1 m; a sensitivity of 90 dB (1 W @ 1 m); nominal coverage of 120° conical. Connection shall be by Screw terminal. The loudspeaker shall be constructed of Scalloped back-can, external spring tabs. The loudspeaker shall be covered by the manufacturer's two (2) year limited warranty and shall be supplied by SSOUNDS or an SSOUNDS-authorized distributor. No alternate shall be accepted without prior written approval of the consultant or specifying engineer.

SAFETY & COMPLIANCE

Read this section before specifying, installing or operating this product. It summarises the safety requirements set out in full in the product documentation supplied with the unit; where the two differ, the product documentation takes precedence.

SOUND PRESSURE LEVEL & HEARING

This equipment is capable of producing sound pressure levels that cause permanent hearing damage. Do not operate at high level in close proximity, and ensure that operators, performers and audience exposure complies with applicable occupational noise-exposure regulation. Provide hearing protection where exposure limits may be exceeded.

ENVIRONMENT & MECHANICAL

Unless a published IP rating states otherwise, this product is intended for indoor use or for outdoor use under cover, and must be protected from rain, standing water and prolonged direct sun. Ensure ventilation openings are unobstructed. Stack, pole-mount and transport only as described in the product documentation, and secure the product against toppling wherever the public has access.

DISPOSAL

At end of life, dispose of the product and any packaging in accordance with local regulation for electrical and electronic equipment. Do not dispose of electronic components in general waste.

LIMITED WARRANTY: TWO (2) YEARS

SSOUNDS products are warranted against defects in materials and workmanship for a period of two (2) years from the original date of purchase by the end user. Within that period SSOUNDS will, at its option, repair or replace the defective item with no charge for parts or labour. The item must be adequately packaged and dispatched, carriage pre-paid, to SSOUNDS or an SSOUNDS-authorised service centre, accompanied by proof of purchase and a returns reference issued in advance by SSOUNDS. Unauthorised repair, modification or removal of serial-number labelling voids this warranty.

THIS WARRANTY DOES NOT COVER

- Cosmetic wear, finish, grille cloth, paintwork and consumable parts.
- Damage caused by misuse, abuse, accident, neglect, or operation outside the published ratings on this sheet.
- Damage caused by transport or handling after delivery, or by inadequate packaging on return.
- Damage caused by mains or generator supply faults (over-voltage, under-voltage, phase imbalance, surge or incorrect earthing) or by lightning.
- Water, dust or corrosion ingress on products not carrying a published IP rating for the conditions of use.
- Damage resulting from amplification or processing outside the recommended configuration on this sheet, or from third-party presets.
- Products not purchased from SSOUNDS or an SSOUNDS-authorised distributor.

This warranty is in addition to, and does not affect, any statutory rights the purchaser may have under applicable consumer law. It is the sole warranty offered; no other warranty, express or implied, is given.

Warranty claims and returns references: support@s-soundspro.com · +44 20 3769 6537

LEGAL NOTICE

All information on this data sheet is subject to change without notice. SSOUNDS reserves the right to alter specification, design and construction in the course of continuous product development.

Specifications, drawings and images are provided for guidance in system design and tender documentation. Where a figure is critical to a design, confirm it in writing with SSOUNDS before committing to a specification.

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