



Dolby® CS128LF Low-Frequency Screen Channel Speaker

Premium low-frequency impact with a convenient profile.

Functioning as the low-frequency component of our new System 128, the Dolby CS128LF has been designed with a variety of features offering both simplified installation and premium performance for cinema auditoriums of up to 66' (20 meters) in depth.

Housed in a space saving 13.4" (340 mm) deep, quality constructed cabinet, each of the two custom 15" drivers have been space and alignment optimized, and operate within their own independent chambers greatly improving both performance and reliability.

An advanced input plate featuring a high-current, spring loaded terminal block and a unique flip-card signal router, allow the two components to be driven in either a parallel (single-channel/4 Ohm) or independent (dual-channel/8 Ohm) configuration, maximizing available amplifier power budget.

Dual-side acoustical ports have been cleverly placed to function as handles during unboxing and installation.



CS128LF shown with optional BKT.FLR Floor-bracket kit

Key features

- Two custom, 15" speakers that can be driven in parallel, or driven individually to maximize available amplifier power
- Each driver is contained in an independent chamber within the cabinet that provides improved performance and reliability
- Critical driver spacing and alignment optimizes system vertical dispersion and coverage
- The cabinet design depth is minimized for use in auditoriums with tight spacing between the screen and front wall, with acoustic ports on the sides of the unit
- Advanced input plate featuring a high-current, spring-loaded terminal block, allows for quick, tool-free connection during installation
- Unique Flip-Card signal routing enables either parallel (single-channel/4 Ohm) or independent (dual-channel/8 Ohm) operation
- Dual side acoustical ports (one on each side of the cabinet) can be used as integrated handles to improve safety and handling during unboxing and installation
- Optional BKT.FLR Floor-bracket kit (sold separately) allows for mechanical connection of the speaker stack to the auditorium mounting surface*

Dolby CS128LF Low-Frequency Screen Channel Speaker

Industry standard technical data**

Frequency Range ¹	39Hz - 255Hz
Usable LF Response ²	32Hz
Coverage Window ³	160°H, 100° V
Rated Impedance	4 Ohms parallel/ 8 Ohms x 2 (independent mode)
Sensitivity @ 1 Watt ⁴	101dB
Power Handling ⁵	600W @ 49Vrms
Power Draw ⁶	420 W
Maximum Voltage Peak ⁷	138Vpk
Maximum Continuous Peak SPL @ 1 meter ⁸	129dB
Measured acoustic peak SPL @ 1 meter ⁹	139dB
Transducers	15" woofer x (2)
Input	Barrier Strip (advanced input plate w/flip card and high-current spring-loaded terminal block)
Enclosure	Wood
Accessories	BKT.FLR Floor Bracket Kit (sold separately)
Dimensions (Unit)	40.59"H x 32.74"W x 13.4"D (103.1 x 83.2 x 34 cm)
Weight (Unit)	128 lb (58.06 kg)
Dimensions (Shipping)	45"H x 38"W x 19"D (114.3 x 96.52 x 48.26 cm)
Weight (Shipping)	131 lb. (59.42 kg)

1. -6dB in half space conditions, HF determined by recommended processing

2. -10dB in half space conditions

3. Horizontal and vertical 6 dB relative to on-axis response within rated frequency range.

4. Measured with 12 dB crest pink noise @ 2 Vrms in half-space conditions with required processing.

5. 12 dB crest pink noise for 2 hours with required processing, based on AES2-2012 standard, calculated power based on rated impedance.

6. Measured average power over 5 seconds at the rated Vrms using 12 dB crest pink-noise with required HPF and LPF. This measured power draw from the amplifier is useful for estimating amplifier sizing in overall system design.

7. Measured Vpk over 100 hours using a Hann shaped sine-wave burst at the maximum excursion frequency of the system. This data is useful for setting peak stop limiters and amplifier selection.

8. Calculated from rated sensitivity and power.

9. Measured half space peak SPL over 5 seconds at rated Vrms using 10 dB crest pink noise with required processing.

This documentation applies to CID1027

The English version of this document is the only legally binding version.

Translated versions are not legally binding and are for convenience only.

*BKT.FLR - Floor-bracket kit must be used (sold separately) to secure the entire speaker system to the auditorium mounting surface.

*Sound and vibration from this type of speaker system is high and may cause cabinets to shift. Failure to secure the bottom speaker cabinet to the mounting surface may result in a tip/fall of the entire system which may cause damage or injury. Proper selection of mounting hardware is not included and proper assembly and installation of mounting hardware, including, but not limited to, selection of appropriate weight bearing support and bracket use is the exclusive responsibility of the installer. Dolby disclaims any liability, including damage or injury, for the selection of i) non-Dolby manufactured mounting hardware or ii) third-party manufactured mounting hardware not previously approved in writing by Dolby, and/or bracket installation. Any modification to the speaker system hardware provided by Dolby (i.e. mounting by drilling holes into the speaker system) will result in a null and void product warranty.

**Specifications are subject to change without notice.



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