

# Dolby® CS136LF Low-Frequency Screen Channel Speaker



## Lower distortion. Deeper bass.

Functioning as the LF component of our new Systems 131, 133 and 136, the Dolby CS136LF is one of our newest low-frequency screen channel speaker innovations.

Hand built using quality wood, the CS136LF is equipped with (2) 15" high performance transducers that were designed using advanced Finite Element Modeling (FEM) and feature massive magnetic motors and robust cast aluminum baskets.

Exceptional internal bracing and finely tuned port design, facilitate reduced distortion and faithful low-frequency delivery as well as years of dependable service.

With intuitive ergonomic design features like balance-centered handles, shallow depth and a side loading input plate, the Dolby CS136LF allows for quick unpacking, simplified installation and easy access for future service.

Built on the foundation of Dolby's industry-leading system design and support philosophy, the Dolby CS136LF provides elevated low-frequency performance and streamlined speaker integration for premium large-format cinemas.

### Key features

- Quality wood construction and exceptional bracing coupled with individual acoustic chambers and a unique port design - deliver unparalleled low frequency extension and articulation
- Advanced input plate featuring high-current, spring-loaded terminal block and unique flip-card PCB electrical routing, allows for quick, tool-free connection during installation and easy selection of parallel (4 Ohm), or direct to individual driver (8 Ohm) connection
- Balance centered handles - eases unpacking and placement of low-frequency enclosures
- Optional BKT.FLR Floor-bracket kit (sold separately) facilitate the mechanical connection of the speaker stack to the auditorium mounting surface.
- Shallow, 20.3" cabinet depth and side-mounted input plates enable easy installation and service access in challenging spaces

NOTE: BKT.136 - Tie plate kit (included with CS136MH) are used to connect the two CS136LF speakers together to prevent movement or shifting of the cabinets due to high levels of sound and vibration. These brackets must be installed prior to system use. Dolby disclaims any liability, including damages or injury, if installer fails to comply with these instructions.

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 bracke 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.

# Dolby CS136LF Low-Frequency Screen Channel Speaker

## Industry standard technical data\*

### CS136LF TECHNICAL DATA

Frequency Range <sup>1</sup>	31Hz - 400Hz
Usable LF Response <sup>2</sup>	28Hz
Coverage Window <sup>3</sup>	120°H, 80° V
Rated Impedance	4 Ohms / 8 Ohms (bi-wire mode)
Sensitivity @ 1 Watt <sup>4</sup>	102dB
Power Handling <sup>5</sup>	1400W @ 74.8Vrms
Power Draw <sup>7</sup>	1070W
Maximum Continuous SPL @ 1 meter <sup>6</sup>	133dB
Measured Acoustic Peak SPL @ 1 meter <sup>8</sup>	142dB

### CS136LF (BOTTOM LF SYSTEM 136 ONLY)

Processing Sensitivity @ 1 Watt <sup>4</sup>	100dB
Power Handling <sup>5</sup>	900W @ 60Vrms
Power Draw <sup>7</sup>	640W
Maximum Continuous SPL @ 1 meter <sup>6</sup>	129dB
Measured Acoustic Peak SPL @ 1 meter <sup>8</sup>	140dB

Transducers	15" x 2 (4" copper voice coils, FEM optimized motor/suspension and cooling system, resonance-free cast-aluminum basket)
Input	Barrier Strip (Advanced Input Plate w/flip card)
Enclosure	Wood
Accessories	BKT.FLR Floor Bracket Kit (sold separately)
Dimensions (Unit)	33.46"H x 29.87"W x 20.35"D (85 x 75.9 x 51.7 cm)
Weight (Unit)	155 lb (70.30 kg)
Dimensions (Shipping)	37.78" x 35.24" x 26.57" (96 x 89.5 x 67.5 cm)
Weight (Shipping)	167 lb. (75.75 kg)

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

2. -10dB in half space conditions

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

4. Measured with 12dB crest pink noise @ 2Vrms in half space conditions with recommended HPF and LPF

5. 12dB crest pink noise for 2-hours with recommended HPF and LPF, based on AES2/2012 standard, calculated power based on rated impedance.

6. Calculated from rated sensitivity and power

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

8. Measured Peak SPL over 5 seconds at rated Vrms using 12dB crest pink noise with recommended HPF and LPF.

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

\*Specifications are subject to change without notice.

