

DL-CSR34 TWO WAY CEILING SPEAKER



Overview

The Datalux 2-Way Ceiling Speaker is a high-performance in-ceiling loudspeaker designed for professional audio installations. Equipped with a coaxial driver system, it delivers balanced sound reproduction with wide frequency response and superior speech intelligibility. The integrated back can ensures consistent acoustic performance, reduced sound leakage, and ease of installation in a variety of environments. With support for both low-impedance (8 Ω) and constant-voltage (70V/100V) line systems, the speaker offers maximum flexibility for commercial, corporate, and institutional applications.

Key Features

- ✓ 2-Way Coaxial Design – Optimized woofer and tweeter arrangement ensures accurate, balanced full-range sound.
- ✓ High Sensitivity (≥ 90 dB) – Delivers powerful output even with modest amplifier power.
- ✓ Wide Frequency Range (70 Hz – 20 kHz) – Natural voice reproduction and musical clarity.
- ✓ Rated Power ≥ 20 W – Robust handling for continuous use in commercial environments.
- ✓ Constant Voltage & Low Impedance Flexibility – Works with both 70V/100V distributed systems and 8 Ω direct-drive mode.
- ✓ Selectable Power Taps (5–30 W) – Simple adjustment for room size and sound level requirements.
- ✓ Integrated Back Can – Improves bass performance, minimizes sound leakage, and ensures uniform response across different ceiling types.
- ✓ Wide Dispersion Coverage – Even sound distribution, reducing dead zones and the number of speakers required.
- ✓ Low-Profile Aesthetic Design – Paintable round grille blends discreetly with ceilings.
- ✓ Quick & Secure Mounting – Spring-loaded clamps for fast installation and stable fitting.
- ✓ Durable Construction – Metal grille and reinforced housing for long-term reliability.
- ✓ Anti-Vibration Design – Reduced resonance and distortion for clearer audio at higher volumes.
- ✓ Environmental Protection – Dust-resistant design suitable for varied indoor environments.

Application

- ✓ Conference rooms & boardrooms
- ✓ Classrooms & lecture halls
- ✓ Retail stores & shopping malls
- ✓ Hotels, restaurants & lobbies
- ✓ Airports & transport hubs
- ✓ Public address and BGM (background music) systems

Technical Parameter

Description	Specification
System Type	2-Way Coaxial In-Ceiling Loudspeaker
Driver Configuration	4" Woofer with coaxially mounted dome tweeter
Frequency Response (-3 dB)	70 Hz – 20 kHz
Sensitivity (1 W / 1 m)	91 dB SPL
Nominal Impedance	8 Ω
Rated Power Handling	20 W RMS continuous
Maximum SPL (Peak)	107 dB @ 1 m
Line Voltage Support	70V / 100V systems
Power Tap Settings	5 W / 10 W / 20 W / 30 W
Crossover	Passive 2-Way, optimized for coaxial alignment
Dispersion (Coverage Angle)	≥ 120° conical (average, 1–4 kHz)
Back Enclosure	Integrated metal back can for consistent acoustic performance
Grille	Round, perforated steel, paintable finish
Finish	White (custom colors on request)
Mounting Method	Dog-leg / spring-loaded clamps for ceiling installation
Cut-Out Diameter	~170 mm (typical for 4" coaxial speakers)
Overall Depth	~120 mm including back can
Weight	~2.0 kg (depending on build)
Operating Temperature	0 °C – 50 °C
Storage Temperature	-20 °C – 70 °C
Humidity Resistance	Up to 95% (non-condensing)
Compliance	CE, FCC, RoHS