

EVID-EC3.1 Ceiling speaker 3" 70/100V white

EVID Entry Ceiling

- Bezel-less design with easy-attach magnetic grille
- Front baffle wattage tap adjustment
- Includes tile rail and C-Ring for easy installation
- UL 1480A, UL 2043, CSA C22.2 No. 205 and IEC 62368-1 certified



The Electro-Voice EVID-EC3.1 is a complete 3-inch full-range loudspeaker that offers excellent sound quality and outstanding reliability with first-class aesthetics.

The EVID-EC3.1 utilizes a transformer that offers a selection of 0.9 (70-V only), 1.88, 3.75, 7.5 or 15 watts delivered to the loudspeaker system using either 70-V or 100-V lines, or 8-ohm bypass. Selection is via a convenient switch on the front baffle. The perforated grille is finished in semi-gloss white powder-coated enamel. The baffle is constructed from UL 94V-0 rated ABS. The rear enclosure is constructed from heavy gauge coated steel. The low-profile enclosure makes it easy to mount in very tight spaces. A side terminal-cover provides access to a 4-pin terminal block that allows direct connection to the speaker with 12-gauge and 3.3 mm²-wire and provides pass through to additional speakers.

A mounting ring and a tile bridge are included for safe suspension of the EVID-EC3.1 ceiling systems in a drop ceiling that uses mineral wool, or other fiber-based ceiling tiles.

The wide range of EVID ceiling speakers has been designed to work together as a complete system in a variety of different ceiling constructions, and to be used in combination with other EVID surface-mount and in-wall speakers.

Parts included

Quantity	Component
2	Ceiling loudspeaker
2	Loudspeaker connection cover (installed)
2	Magnetic grille
4	Ceiling tile rail

Quantity	Component
2	C-ring
4	Screw
1	Cutout template
2	Paint cover
1	Quick installation guide

Technical specifications

Frequency range (-10 dB) (Hz) ¹	90 Hz – 19,000 Hz
Maximum SPL (continuous) (dB) ²	100 dB
Maximum SPL (peak) (dB) ²	106 dB
Sensitivity (1 W, 1 m) ³	84 dB SPL 1 W, 1 m
Coverage angle conical (°)	135°
Power handling (continuous) (W) ⁴	40 W
Power handling (peak) (W) ⁴	160 W
Long term power handling (continuous) (W) ⁵	25 W
Long term power handling (peak) (W) ⁵	100 W
Nominal impedance (Ω) (Low Z)	8 Ω
Recommended high pass (Hz) ⁶	110 Hz
Transformer taps 70 V line (W)	15 W; 7.5 W; 3.75 W; 1.88 W; 0.9 W
Transformer taps 100 V line (W)	15 W; 7.5 W; 3.75 W; 1.88 W
LF transducer size (in)	3 in
Material	Steel
Grille material	Powder coated steel
Connector type	4-pin Euroblock Input + Pass through
Wire size (AWG)	12AWG (maximum)
Wire diameter (mm ²)	3.3 mm ² (maximum)

Color	White; Customized colors
Color (RAL)	RAL 9003 Signal white
Mounting cutout (in)	7.20 in
Mounting cutout (mm)	183 mm
Dimensions (Ø x D) (in)	8.4 in x 3.9 in
Dimensions (Ø x D) (mm)	212 mm x 98.3 mm
Mounting depth (in)	3.7 in
Mounting depth (mm)	93 mm
Ceiling thickness (in)	0.5 in - 1.5 in
Ceiling thickness (mm)	12.5 mm - 38 mm
Weight (lb) ⁷	4.60 lb
Weight (kg) ⁷	2.10 kg
Shipping weight (lb) ⁸	13.20 lb
Shipping weight (kg) ⁸	6 kg
IP rating	IP45
Weatherization	Indoor
Operating temperature (°F)	32 °F - 122 °F
Operating temperature (°C)	0 °C - 50 °C
Safety agency ratings	UL 1480A, safe for use in air-handling spaces per UL 2043, CSA C22.2 No. 205 certified, IEC 62368-1

¹Half-space (in-ceiling mounted)

²Calculated

³Half-space (1 W/1 m)

⁴Continuous pink noise (2 hours)

⁵Continuous pink noise (100 hours)

⁶24 dB/octave

⁷Single product

⁸Pair of products

Ordering information

EVID-EC3.1 Ceiling speaker 3" 70/100V white

Two-way 3-inch coaxial ceiling speaker, with internal up-to-30 W 70/100-volt line transformer with 8 Ohm bypass, packaged in pairs, white

Order number **EVID-EC3.1 | F.01U.417.786 Z.01X.002.054**

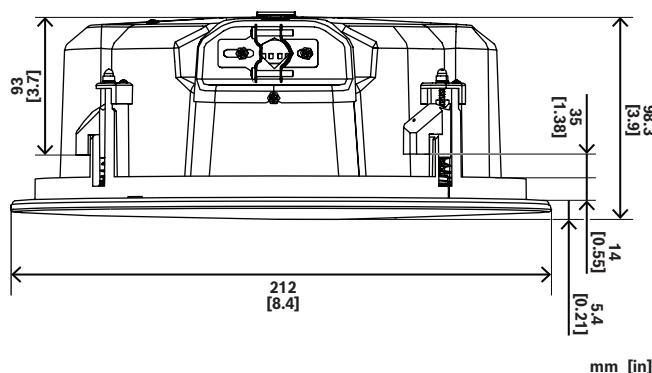
Accessories

C-RG-S-BK Round magnetic grille, small, black

Powder-coated steel grille, magnetic, with safety tether, sold in pack of 6 units

Order number **C-RG-S-BK | F.01U.420.258**

Dimensions



Installation note

This is a professional product that should be installed, used and maintained by trained professionals only.



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