

# Self-Amplified Drop-In Ceiling Speaker

with back can and recessed volume control



## Models ACD2X2, ACD2X2U



**Description** Bogen's ACD2X2 Drop-In Ceiling Speaker is a full-range, 1-watt, self-amplified speaker that is quick and easy to install. Simply wire it and drop it into place. Available in off-white (ACD2X2) and bright white (ACD2X2U). The ACD2X2 is 2' x 2', designed to fit perfectly into place in 2' x 2' ceiling grids - without needing to cut ceiling tiles. The ACD2X2 can also be easily installed in 2' x 4' ceiling grids using the included support rail.

- Features**
- For use with both 2 ft. x 2 ft. and 2 ft. x 4 ft. suspended tile ceilings (support rail crossbar included for 2 ft. x 4 ft. suspended tile ceilings)
  - Finely perforated grille covers entire front of speaker
  - Fully enclosed, industrial grade steel construction
  - Self-contained 1-watt amplifier
  - 8" main cone speaker, with secondary cone
  - Front-mounted, recessed volume control
  - Non-reflective finish, available in off-white (ACD2X2) and bright white (ACD2X2U)
  - Seismic attachment points
  - Plenum-Rated; Complies with UL-2043

### Technical Specifications

Max. SPL: 94 dB (1m)	Dispersion: 100°
Frequency Response: 95 Hz - 12 kHz	Cone: 8" cone speaker, with secondary cone
Supply Voltage: 24V DC	Magnet Weight: 10 oz.
Typical Current Units: 1 CU (50 mA)	Connection: Wire leads via wire nuts ( <i>included</i> )
Idle Current: 5 mA (nominal)	Dimensions: 23-7/8" W x 5" H x 23-7/8" D
Input Sensitivity: 125 mVrms	Product Weight: 12 lb.
Input Impedance: 2k ohms	

### Architect and Engineer Specifications

The speaker shall be a Bogen Model ACD2X2 (or ACD2X2U) Drop-In Self-Amplified Ceiling Speaker, which shall be fully enclosed and constructed of industrial grade steel. It shall be comprised of a damped high-compliance factory-mounted 8" loudspeaker that shall consist of an 8" treated paper cone and a 10-ounce magnet, including a secondary cone.

The unit shall have a 1-watt amplifier. The typical current consumption shall be 1 CU (50 mA). Frequency response shall be 95 Hz - 12 kHz. Input sensitivity shall be 125 mVrms. Input impedance shall be 2k ohms. Dispersion shall be 100°.

The speaker shall have a non-reflective, off-white (or bright white for ACD2X2U) metal finish grille with a recessed volume control accessible through front grille. It shall include 4 seismic attachment points.

The speaker assembly will fit into 2' x 2' and 2' x 4' ceiling tiles. For 2' x 2' installations, a support rail shall not be needed and no cuts to the ceiling shall be necessary. For 2' x 4' installations, a single cut to the ceiling tile and an included support rail shall be needed.

The speaker shall measure 23-7/8" W x 5" H x 23-7/8" D and shall weigh 12 lb.