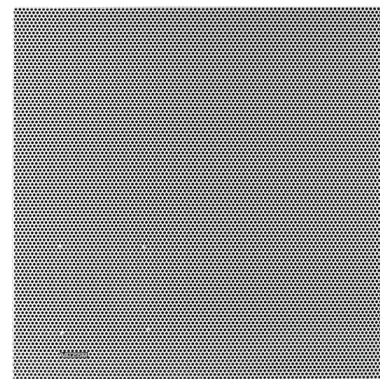


# Technical Specifications

## V-9022A-2 2ft x 2ft Lay-in Ceiling Speaker

- Excellent voice and music reproduction
- 1-Watt amplifier built-in
- Aesthetically pleasing white grille
- Baked enamel finish
- Integral plenum rated backbox meets or exceeds A.S.T.M. E84 flame & smoke test
- Four seismic tabs provided for additional mounting integrity
- Replaces a 2ft x 2ft or 1/2 of a 2ft x 4ft ceiling tile
- Indoor use



*Fast and easy speaker to install  
(packaged two per box)*

### Description:

This inconspicuous V-9022A-2 Lay-in Ceiling Speaker is a fast and easy speaker to install in suspended ceilings. The speaker provides excellent music and voice reproduction. The integral backbox has a three hour burn test rating (UL181) and the rugged lightweight construction eliminates the need for support bars. The speaker's white perforated grille blends into the ceiling by providing the appearance of a standard air return. The speaker assembly features a perforated steel grill finished with a durable white baked on acrylic enamel finish, and an 8in full range speaker with volume settings.

## SPECIFICATIONS

### SPEAKER

Cone diameter: 8in (20.32cm)  
Voice coil impedance: 45 Ohms

### MAGNET WEIGHT

5oz (142g)

### MAGNET MATERIAL

Ceramic

### AUDIO INPUT

Impedance: > 600 Ohms nominal  
Signal level: -10 dBm line level

### AUDIO OUTPUT

Rating: > 96 dB @ 4ft (1.22m)  
Signal/noise ratio: -70 dB

### SOUND PRESSURE LEVEL

95 dB at 1 meter on axis with 1-Watt input at 1 kHz

### POWER RATING

50 mA at 24 Vdc

### FREQUENCY REQUIREMENT

80 Hz to 15 kHz

### HOUSING AND FINISH

Steel housing with a white baked on acrylic enamel finish

### ENVIRONMENT

Temperature: 32 to 122 °F (0 to 50 °C)  
Humidity: 0 to 85% non-precipitating

### DIMENSIONS AND WEIGHT

23.75in H x 23.75in W x 3.75in D  
(60.30cm x 60.30cm x 9.53cm)

Weight: 5.50lbs (2.49kg)

Shipping Weight: 15.00lbs (6.75kg) 2 per box

2022 Rev. 7.8.5

# Technical Specifications

## ARCHITECTS AND ENGINEERS

The Lay-in Ceiling Speaker, model VE9022A-2, shall consist of a white perforated grille, a speaker, integral backbox and volume control. T

The V-9022A-2 Lay-in Ceiling Speaker shall include an amplifier assembly and volume control. Signal to noise ratio shall be -70dB. The amplifier shall operate on a -24 Vdc nominal power supply. Operating current shall be 50 mA at -24 Vdc. The V-9022A-2 speaker shall be 8in (20.32cm) in diameter and have a 5oz (142g) ceramic magnet. The 8in speaker cone material shall be paper. The speaker impedance shall be 45 ohms.

The V-9022A-2 Lay-in Ceiling Speaker baffle shall be constructed with a single piece of perforated steel with a white baked on

acrylic enamel finish. The volume control is accessible through the perforated grille. The V-9022A-2 Lay-in Ceiling Speaker, backbox meets or exceeds A.S.T.M. E84 flame and smoke test and has a three hour burn rating (UL181). Four seismic tabs provided for additional mounting integrity. The V-9022A-2 shall be suitable for indoor applications.

Maximum dimensions of the grill shall be: 23.75in H x 23.75in W x 3.75in D (60.30cm x 60.30cm x 9.53cm). Weight shall be approximately 5.50lbs (2.49kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).