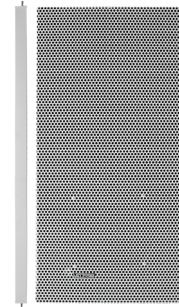


# Technical Specifications

## V-9021 1ft x 2ft Lay-In Ceiling Speaker

- Paging, emergency alerts and tones
- One-way paging
- Utilizes standard CAT 3, 5, or 6 cable
- Quick and easy installation
- High quality audio
- White steel
- Includes trim bar V-TBAR
- Indoor use
- UL and cUL listed



Self-amplified one-way  
with Backbox

### Description:

The V-9021 1ft x 2ft Lay-In Ceiling Speaker is designed with a backbox that provides superb sound quality and coverage. The integral backbox meets or exceeds A.S.T.M. E84 flame and smoke test and has a three-hour burn rating (UL181). The V-9021 blends well with many environments including classrooms, healthcare facilities, training rooms, lecture halls and offices. The 1ft x 2ft Lay-in Ceiling Speaker is an excellent choice for high-quality voice paging and emergency alerts for indoor areas.

## SPECIFICATIONS

### SPEAKER ELEMENT

**Cone Diameter:** 8.00in (20.32cm)  
**Voice Coil Impedance:** 45 Ohms

### INPUT

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

### OUTPUT

**Rating:** > 96 dB @ 4ft (1.22m)  
**Signal/Noise Ratio:** -70

### POWER REQUIREMENTS

50 mA @ -24 Vdc

### FREQUENCY RESPONSE

80 Hz to 16 kHz

### MAGNET

Cone type with 5oz (142g) ceramic magnet

### ENVIRONMENT

**Temperature:** -4 to +131°F (-20 to +55°C)  
**Humidity:** 0 to 95% non-condensing

### HOUSING AND FINISH

Steel housing with a white baked on acrylic enamel finish

### DIMENSIONS AND WEIGHT

11.75in H x 23.75in W x 3.75in D  
(29.85cm x 60.33cm x 9.53cm)

**Weight:** 4.70lbs (2.12kg)

**Shipping Weight:** 7.9015lbs (3.56kg)

### MOUNTING ACCESSORIES

V-TBAR Trim Bar

2024 Rev. 8.6.5

# Technical Specifications

## ARCHITECTS AND ENGINEERS

The 1ft x 2ft Lay-in Ceiling Speaker, model V-9021, shall consist of a white nominal perforated grille, a speaker, volume control, an integral backbox, and a trim bar. The volume control shall be accessible through the perforated grille.

The V-9021 Lay-in Ceiling Speaker signal-to-noise ratio shall be -70dB. The amplifier shall operate on a -24 Vdc nominal power supply. The operating current shall be 50 mA at -24 Vdc. The V-9021 speaker shall be 8.00in (20.32cm) in diameter and have a 5oz (142g) ceramic magnet. The speaker impedance shall be 45 ohms. The operating temperature shall be +32 to +122 °F (0 to +50 °C).

The V-9021 Lay-in Ceiling Speaker baffle shall be constructed with a single piece of perforated steel with a white baked-on acrylic enamel finish. The backbox meets or exceeds A.S.T.M. E84 flame and smoke test and has a three-hour burn rating (UL181). Four seismic tabs were provided for additional mounting integrity. The V-9021 shall be suitable for indoor applications.

The maximum dimensions shall be 11.75in H x 23.75in W x 3.75in D (29.85cm x 60.33cm x 9.53cm). Weight shall be approximately 4.70lbs.

The V-9021 shall be UL and cUL listed.

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