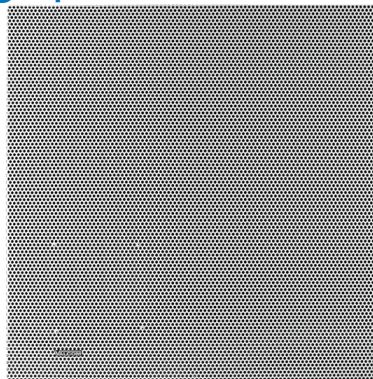


# Technical Specifications

## S-422A-2/S-522B-2 2ft x 2ft Lay-in Ceiling Speaker

- Replaces a 2ft X 2ft or ½ of a 2ft X 4ft ceiling tile
- Integral backbox with three hour burn rating
- Easy lay-in mounting
- 25/70 Volt transformer
- Scuff resistant perforated grille
- Durable white acrylic baked enamel finish
- Volume control included with the S-522B-2
- Indoor use
- Packaged 2 per box



25/70 Volt  
one-way/talkback compatible

### Description:

The inconspicuous S-422A-2/S-522B-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 assembly features a perforated steel grille finished with a durable white baked on acrylic enamel finish, an 8in full range speaker with a transformer that operates on 25 or 70 Volt speaker lines. The S-522B-2 includes a volume control that is accessible through the perforated grille using a standard 1/8in screwdriver.

## SPECIFICATIONS

### SPEAKER

8in (20.32cm)

### MAGNET WEIGHT

5oz

### MAGNET MATERIAL

Ceramic

### VOICE COIL

8 Ohm

0.75in (0.34cm) Dia

### SOUND PRESSURE LEVEL

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

### POWER RATING

5-Watts continuous

### LINE TRANSFORMER

Combination 25/70 Volt

### TRANSFORMER TAPS

5, 2.5, 1.25, 0.625 and 0.312 Watts

### FREQUENCY RESPONSE

70 Hz to 17 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  
(60.33cm x 60.33cm x 9.53cm)

**Weight:** 5.50lbs (2.49kg)

**Shipping Weight:** 15.00lbs (6.80kg) 2 per box

### ACCESSORIES

V-TBAR (ordered separately)

Use when installing in a 2ft by 4ft ceiling tile

2022 Rev. 4.6.9

**Clarity**  
by Valcom

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# Technical Specifications

## ARCHITECTS AND ENGINEERS

The Lay-in Ceiling Speaker, model S-422A-2/S-522B-2, shall consist of a white 2ft x 2ft perforated grille, speaker, combination 25/70 Volt 5-Watt transformer and integral backbox. The VE522B-2 shall include a volume control that is accessible through the perforated grille using a standard 1/8in screwdriver.

The S-422A-2/S-522B-2 Ceiling Speaker Assembly may be used as a one-way or two-way (talkback) speaker. This functionality is determined by the equipment used to source audio to/from the speaker.

The S-422A-2/S-522B-2 Lay-in Ceiling Speaker shall have an 8in (20.32cm) diameter speaker with a 5oz. ceramic magnet. The 8in speaker cone material shall be paper. The S-422A-2/S-522B-2 speaker impedance shall be 8 Ohms. The diameter of the voice coil shall be 0.75in (1.91cm) diameter. The S-422A-2/S-522B-2 speaker shall be capable of handling 5-Watts continuous power. Sound pressure level at 1 meter on axis with a 1-Watt input shall be 95 dB.

The frequency response shall be 70 Hz to 17 kHz.

The S-422A-2/S-522B-2 line transformer shall be capable of operating on a 25 or 70 V line and provide 5 wattage taps. The tap settings shall range from 0.3-Watts to 5-Watts.

The S-422A-2/S-522B-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 backbox meets or exceeds A.S.T.M. E84 flame and smoke test and has a three hour burn rating (UL181). The S-422A-2/S-522B-2 is suitable for indoor applications.

Maximum dimensions of the grill shall be: 23.75in H x 23.75in W x 3.75in D (60.33cm x 60.33cm x 9.53cm). Weight shall be approximately 5.5lbs (2.49kg).

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