

**FEATURES:**

- Replaces a 2' X 2' or 1/2 of A 2' X 4' 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
- Packaged Two (2) Per Box



**DESCRIPTION:**

This inconspicuous Lay-in Speaker can be installed in suspended ceilings in minutes. 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 speakers 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, an 8" full range speaker, a volume control and a transformer that operates on 25- and 70-volt speaker lines. The volume control is accessible through the perforated grille using a standard 1/8" screwdriver.

**Specifications:**

**SPEAKER**

8" (20.32 cm) Speaker

**MAGNET WEIGHT**

5 oz.

**MAGNET MATERIAL**

Ceramic

**VOICE COIL**

8-ohm  
3/4" (.34 cm) dia.

**SOUND PRESSURE LEVEL**

95 dB at 1 Meter on Axis With 1-Watt Input at 1 kHz

**LINE TRANSFORMER**

Combination 25/70 Volt

**TRANSFORMER TAPS**

5, 2.5, 1.25, .75 and .35 Watts

**FREQUENCY RESPONSE**

70 Hz to 17 kHz

**POWER RATING**

5 Watts Continuous

**HOUSING AND FINISH**

Steel housing with a white baked on acrylic enamel finish

**ENVIRONMENT**

**Temperature:** 0 to 50 °C (32 to 122 °F)

**Humidity:** 0 to 85% Non-Precipitating

**DIMENSIONS AND WEIGHT**

23.75" (60.53 cm) L x 23.75" (60.53 cm) W x 3.75 D (9.53 cm)

**Weight:** 5.5 lbs. (1.82 kg)

**ARCHITECTS' AND ENGINEERS**

The Model S-522B-2 Lay-in Ceiling Speaker shall consist of a white two foot by two-foot perforated grille, a speaker, combination 25/70-volt 5-watt transformer and integral backbox.

The speaker shall be 8" (20.32 cm) in diameter and have a 5 oz. ceramic magnet. The 8" speaker cone material shall be paper. The speaker impedance shall be 8 ohms. The diameter of the voice coil shall be 3/4" (.34 cm) diameter. The 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 95dB. The frequency response shall be 70 Hz to 17 kHz.

The 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 line transformer shall be capable of operating on a 25- or 70-volt lines speaker and provide 5 volume adjustments. The level adjustments shall range from 5 watts to .35 watts and be made via a rotary tap volume control that is accessible through the grille.

Maximum dimensions of the grill shall be: Baffle 23.75" (60.53 cm) L x 23.75" (60.53 cm) W x 3.75 D (9.53 cm)). Weight shall be approximately 5.5 lbs (1.82 kg).

The Lay-in Ceiling Speaker assembly shall be Model S-522B-2 manufactured by Clarity.

**TECHNICAL SPECIFICATION**  
**2' x 2 LAY-IN CEILING SPEAKER**  
**MODEL S-522B-2**



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