

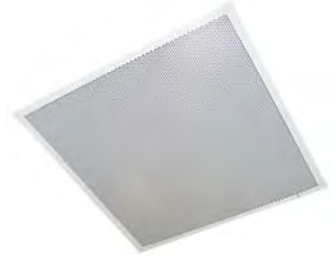


## Technical Specification

# SIGNATURE SERIES, HIGH FIDELITY 2' x 2' LAY-IN CEILING SPEAKER MODEL V-1422

### FEATURES:

- EXCELLENT VOICE AND MUSIC REPRODUCTION
- HIGH FIDELITY 6 WATT AMPLIFIER BUILT-IN
- AESTHETICALLY PLEASING WHITE GRILLE
- BAKED ENAMEL FINISH
- INTEGRAL PLENUM RATED BACKBOX MEETS OR
- EXCEEDS ASTM E84 FLAME & SMOKE TEST
- FOUR SEISMIC TABS PROVIDED FOR ADDITIONAL MOUNTING INTEGRITY
- REPLACES A 2' x 2' or 1/2 OF A 2' x 4' CEILING TILE



### DESCRIPTION:

Coaxial Speaker assembly with speaker, amplifier and volume control mounted in 2' x 2' grille with integral backbox. Used for high fidelity music and voice reproduction. The speaker/amplifier assembly features an 8" speaker with a 3" tweeter, a steel grille with white baked enamel finish and a 6 watt high fidelity amplifier. A screw driver adjustable volume control is accessible through the perforated grille.

### Specifications:

#### AMPLIFIER

**Output Power:** 6 Watts  
**Operating Voltage:** -24 Vdc  
**Current Consumption:** 200 mA

#### SPEAKER

**WOOFER:**  
**Voice Coil Impedance:** 8 ohm  
**Diameter:** 8"  
**Magnet Weight:** 10 oz  
**Magnet Material:** Ceramic

#### TWEETER:

**Voice Coil Impedance:** 8ohm  
**Diameter:** 3"  
**Magnet Weight:** 3 oz  
**Magnet Material:** Ceramic

#### SPEAKER/AMPLIFIER

**Frequency Response:** 60 Hz to 20 kHz  
**Power Rating:** 6 Watts  
**THD:** < .5%  
**SPL:** > 102 dB @ 4' (1.22m)

#### ENVIRONMENT

**Temperature:** 32 to 122 °F (0 to 50 °C)  
**Humidity:** 0 to 85% Non-Precipitating

#### HOUSING AND FINISH

Steel housing with a white baked on acrylic enamel finish.

#### DIMENSIONS AND WEIGHT

23.75 "L x 23.75 "W x 3.75 "D (60.325 cm x 60.33 cm x 9.525 cm)  
**Weight:** 5.5 lbs. (2.49 kg)  
**Shipping Weight:** 9.5 lbs (4.28 kg)



## Technical Specification

# SIGNATURE SERIES, HIGH FIDELITY 2' x 2' LAY-IN CEILING SPEAKER MODEL V-1422

---

## ARCHITECTS' AND ENGINEERS

The V-1422 Signature Series High Fidelity Lay-in Ceiling Speaker shall consist of a white two foot by two foot perforated grille, a speaker and integral backbox. The volume control is accessible through the perforated grille.

The woofer for the V-1422 shall be 8" (20.32 cm) in diameter and have a 10 ounce (284 g) ceramic magnet. The tweeter for the V-1422 shall be 3" (7.62cm) in diameter and have a 3 ounce (85 g) ceramic magnet. Operating temperature shall be +32 to +122 °F (0 to +50 °C).

The Model V-1422 shall include an amplifier assembly and volume control. The amplifier shall operate on a -24Vdc nominal, positive ground power supply. Operating current shall be 200mA at -24 Vdc.

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). Four seismic tabs provided for additional mounting integrity.

Maximum dimensions of the grill shall be: 23.75 "Lx 23.75 "W x 3.75 "D (60.325 cm x 60.33 cm x 9.525 cm). Weight shall be approximately 5.5 lbs (2.49 kg).

## LIMITED WARRANTY

Valcom, Inc. warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the re-placement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim,
2. the defect is not the result of damage, misuse, or negligence after the original shipment,
3. the product has not been in any way repaired by others and that factory sealed units are unopened (A service charge plus parts and labor will be applied to units defaced or physically damaged).
4. freight charges for the return of products to Valcom, Inc. are prepaid,
5. all units "out of warranty" are subject to a service charge. The service charge will cover minor repairs (major repairs will be subject to additional charges for parts and labor)

**This warranty is in lieu of and excludes all other warranties expressed or implied, and in no event shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.**

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.