

### AMPLIFIED CEILING SPEAKER MODEL V-1012BB

#### FEATURES:

- UTILIZES STANDARD CAT 3, 5, OR 6 CABLE
- EXCELLENT VOICE AND MUSIC REPRODUCTION
- BUILT-IN ACCESSIBLE VOLUME CONTROL
- ELECTRICALLY, ACOUSTICALLY MATCHED COMPONENTS
- STURDY STEEL GRILLE



#### DESCRIPTION:

Recessed ceiling mount 8" speaker assembly, complete with speaker, amplifier, built-in volume control, round grille, and backbox and support rails.

#### SPECIFICATIONS:

##### SPEAKER ELEMENT

Cone Diameter: 8" (20.32 cm)  
Voice Coil Impedance: 45 Ohms

##### INPUT

Impedance:  $\geq$  600 Ohms nominal  
Signal Level : -10 dBm line level

##### OUTPUT

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

##### FREQUENCY RESPONSE

80 Hz to 15 kHz

##### POWER REQUIREMENTS

50 mA @ -24 Vdc

##### ENVIRONMENT

Temperature:  $-4^{\circ}$  to  $+131^{\circ}$  F ( $-20$  to  $+55^{\circ}$  C)  
Humidity: 0-95% Non-Condensing

##### HOUSING AND FINISH

White outer rim with steel grille finished in semi-gloss black enamel. The metal backbox and support rails are finished for rust prevention.

##### DIMENSIONS AND WEIGHT

11.75" (29.85 cm) Dia. x 6.0" (15.24 cm) D  
Weight: 6.3 lbs (2.86 kg)

# ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

## MODEL V-1012BB AMPLIFIED CEILING SPEAKER

The recessed ceiling 8" (20.32 cm) amplified speaker, Model V-1012BB, shall include a speaker, amplifier, and volume control, round grille, backbox and rails. The speaker assembly, amplifier module, housing and hardware shall be electrically and acoustically matched for a frequency response of 80 Hz to 15 kHz.

The speaker element shall be cone type with 5 oz (142 g) ceramic magnet. Diameter of speaker cone shall be 8.0" (20.32 cm). Voice coil impedance shall be 45 ohms.

The amplifier shall have a frequency response of 80 Hz to 15 kHz. Distortion shall be less than 1.5% at rated output of 1 watt RMS. Signal to noise ratio shall be -70 dB. The amplifier shall operate on a -24 Vdc nominal, positive ground power supply. Operating current shall be 50 mA at -24 Vdc. Operating temperature shall be -4 to +131 °F (-20 to +55 °C). Humidity range shall be 0 - 95%, non-condensing.

A screwdriver adjustable volume control shall be provided at the center of the grille. The externally accessible volume control shall make it possible to adjust volume level of speaker without removal of unit.

The grille shall be constructed of steel, finished in semi-gloss black enamel. The support rails shall be constructed of steel and finished for rust prevention. The backbox shall be acoustically treated.

The maximum dimensions shall be: Speaker and Grille - 11.75" (29.85cm) dia x 6.0" (15.24 cm) D.

Shipping Weight shall be approximately: Speaker and Grille: 6.3 lbs (2.86 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 replacement, 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.