

Product Guide**C 2134VC** 200mm (8") 100V 5W White Ceiling Speaker With Volume Control**CB2134VC** 200mm (8") 100V 5W Black Ceiling Speaker With Volume Control

200mm (8") One-Shot® EWIS Ceiling Speakers

- ✓ Excellent speech intelligibility.
- ✓ Engineered to meet Australian Standard AS1670.4
- ✓ High quality speaker driver developed for BGM, paging and emergency warning applications.
- ✓ Patented 6 way latching ensures a neat, sag free installation.
- ✓ Fitted with 4 way wire protect terminal block for loop in, loop out wiring as required by Australian Standards.
- ✓ Fitted with cable restraint plate and transformer safety cover as required by Australian Standards.
- ✓ Fitted with supervisory capacitor for line monitoring.
- ✓ High impact styrene grille.
- ✓ 5 year warranty.

Application

This 200mm (8") One-Shot Redback PA ceiling speaker has been engineered to be EWIS compatible and offer fast installation. A volume control in the middle of the grille allows for easy adjustment of local volume level. Ideal for installations where local volume needs to be higher or lower than the surrounding zone level. These speakers are ideal for BGM, paging & emergency warning applications. The offset transformer mounting allows mounting in ceilings with limited recess space. Fitted with twin cone 200mm driver with 4 way wire protect terminal block & 22uf bipolar cap.

Emergency Warning & Intercommunications Systems (EWIS)

This speaker and transformer combination is designed for both paging announcements and emergency tones in EWIS systems. Speakers employed in an EWIS installation must comply to AS1670.4. This dictates that the speakers must be fitted with transformer safety cover, cable restraint plate, line monitoring capacitor and 4 way wire protect terminal connection. These Redback EWIS speakers comply to this standard.

About Redback® Speaker Drivers

Each custom designed speaker and transformer combination has been specifically engineered to ensure a wide frequency range and dispersion angle, plus a high sound pressure level (SPL) ensuring excellent music and speech intelligibility; which is critical for emergency paging applications.

Each transformer is fitted with multiple power settings which are user selectable via taps on the transformer. For reference, the transformer safety cover is imprinted with power selection information.

Manufacturing & Performance

Redback® drivers are engineered and manufactured to stringent specifications ensuring maximum reliability under all operating conditions. Each driver has a power rating well above the max tapping of the transformer, ensuring reliable operation and excellent longevity. A strict quality control procedure is employed during every step of the manufacturing process. Finally, every finished speaker is 100% QC checked prior to shipping.



The Labour Saving One-Shot® Mounting System

Redback® "One-Shot®" speaker units install in seconds providing substantial labour cost savings for the professional installer compared to traditional mounting methods.

They simply snap fit to the ceiling by means of the integral pressure clips. The snap clip material is formulated to retain long service life strength and spring action, ensuring a firm vibration free fit to either gyprock tiles, mineral fibre tiles or fixed gyprock ceilings.

The neutral white RAL colour of C 2134VC provides an architecturally unobtrusive finish to virtually any installation. CB2134VC is fitted with a black grille for use on ceilings with a dark colour.

Installation Guidelines

Both models are fitted with a 4 way wire protect screw terminal block. This is suitable for loop in, loop out cabling. The cable can be secured to the in-built restraint plate with 100mm cable ties.

All One-Shot® speakers are designed for fast installation due to the integral pressure clips which grip to the reverse side of the ceiling tile. They suit any 10-13mm ceiling tile, including gyprock, mineral fibre or fixed gyprock ceilings. Redback provide an optional tile support or 'ceiling pan' to minimise sag and vibration.

These pans fit inside the 't-bar' supports for the tile ceiling and provide a solid surface on which the One-Shot® clips secure to. Once the hole is cut, these simply slide up into the hole, the speaker is then pushed in until the clips release.

For 200mm (8") models we recommend a speaker hole of 246mm. This is easily cut using the T 2314 holesaw.

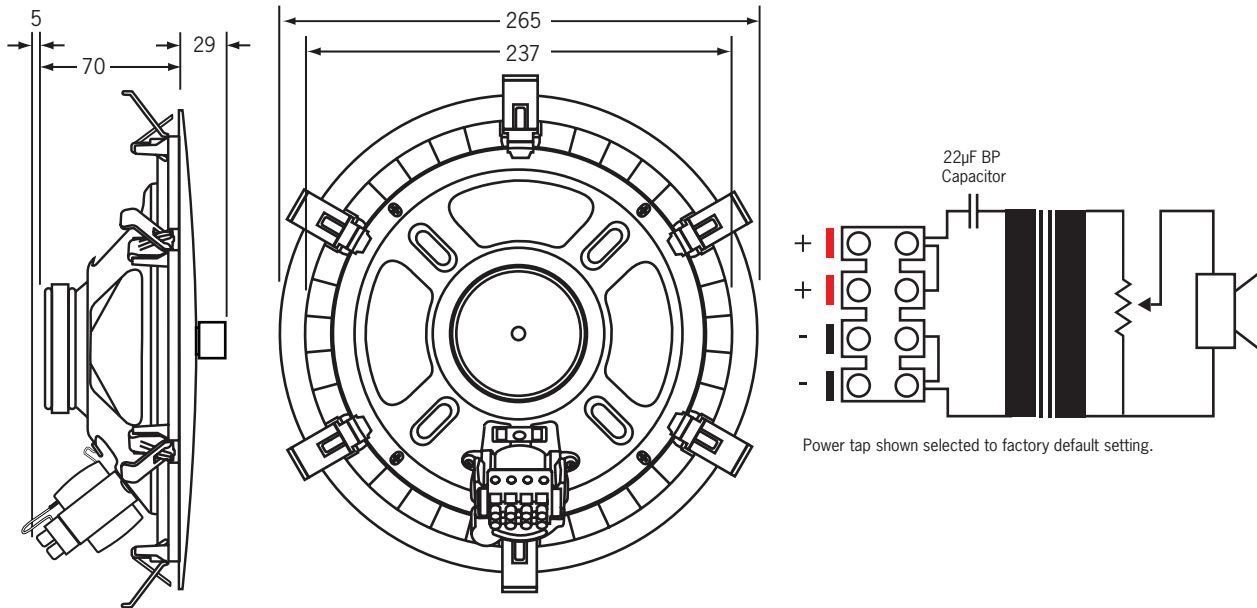
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Dimensions & Transformer Detail



Specifications

Electrical

Power taps: 0.33, 0.66, 1.25, 2.5, 5W

SPL 1W @ 1m: 93.6dB @ 1kHz (+/- 2dB)

Frequency response: 75Hz-15kHz

Connection: 4 way terminal block + 22uF bipolar capacitor

Mechanical

Grille material: High impact styrene

Driver construction: Paper twin cone

Ceiling cutout: 246mmØ

Grille diameter: 265mmØ

Mounting depth: 75mm (including ceiling tile thickness)

Overall weight: 960g

C 2134VC Colour: White

CB2134VC Colour: Black

Environmental

Operating temperature: -25°C to +55°C

Relative humidity: < 95%

Additional Installation Accessories

C 2129 Steel ceiling tile support pan

T 2314 Adjustable 40-270mm holesaw

Architectural Specifications

C 2134VC

The speaker shall be of 200mm diameter and be low profile fitted with a 100V transformer with power taps of 5W, 2.5W, 1.25W, 0.66W and 0.33W. It shall have a centrally mounted volume level control fitted to the ceiling grille. It shall have a SPL of 93.6dB (1W@1m). The transformer shall have a safety cover and cable restraint mechanism (conforming to the relevant Australian standard). It shall be fitted with a 4 way wire protect terminal block for connection and 22uf bipolar capacitor for line monitoring. The speaker shall be attached to a white ABS grill with One-Shot mounting mechanism. The speaker/grille combination shall be a Redback model C 2134VC.

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