

**Product Guide****C 2136** 200mm (8") High Power 15W 100V Twin Cone Ceiling Speaker

## C 2136 High Power 100V One-Shot Ceiling Speaker

- ✓ High power output
- ✓ Excellent speech intelligibility
- ✓ High quality speaker driver developed for BGM and paging 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.
- ✓ 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 100V PA system compatible and offer fast installation. The high output 15W design is ideal for BGM & paging applications where higher SPL may be required. 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.

### 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 provides an architecturally unobtrusive finish to virtually any installation.

### Installation Guidelines

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.

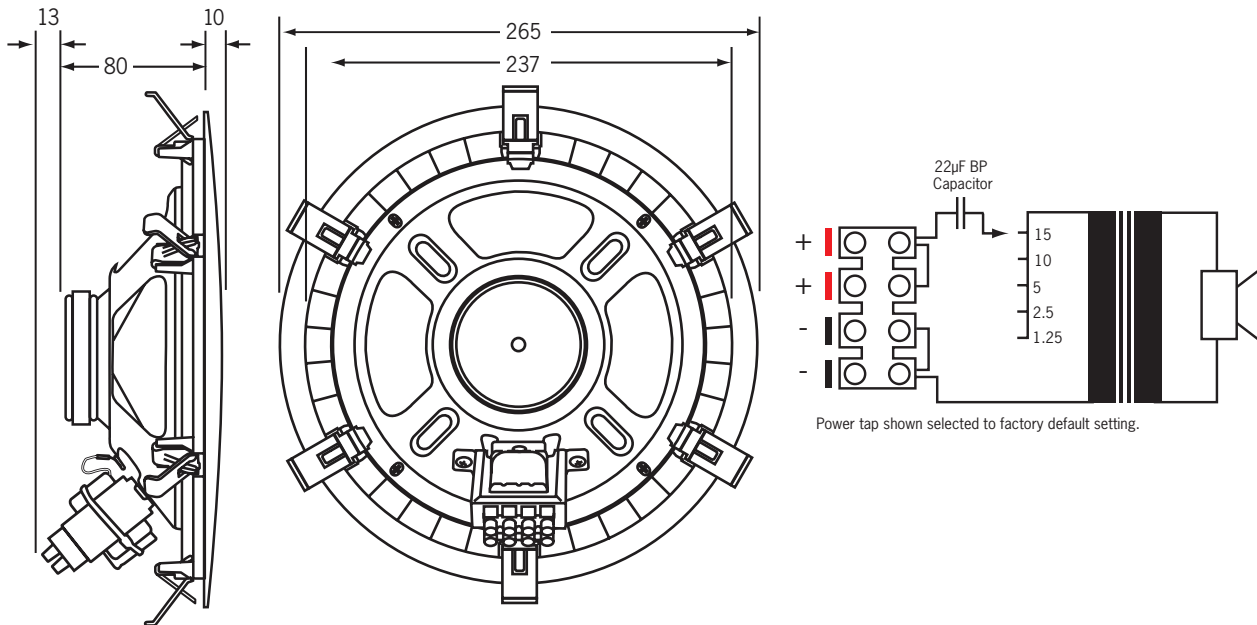
For 200mm (8") models we recommend a speaker hole of 246mm. This is easily cut using the T 2314 holesaw.

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### Dimensions & Transformer Detail



### Specifications

#### Electrical

Power taps:	1.25, 2.5, 5, 10, 15W
SPL 1W @ 1m:	92dB @ 1kHz (+/- 2dB)
Frequency response:	55Hz-15kHz
Connection:	4 way terminal block + 22uF bipolar capacitor

#### Mechanical

Grille material:	High impact styrene
Driver construction:	Paper twin cone
Ceiling cutout:	246Ømm
Grille diameter:	265Ømm
Mounting depth:	93mm (including ceiling tile thickness)
Overall weight:	1.18kg
Colour:	White

#### 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

The speaker shall be of 200mm diameter and be fitted with a 100V transformer with power taps of 15W, 10W, 5W, 2.5W and 1.25W. It shall have a SPL of 92dB. It shall be fitted with a 4 way wire protect terminal block for cable 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 2136.