

## Product Guide

**C 2125** 200mm (8") 100V 5W Twin Cone Ceiling Speaker



# C 2125 Fast-Fix Ceiling Speaker

- ✓ Excellent speech intelligibility
- ✓ High quality speaker driver developed for BGM, paging and emergency warning applications
- ✓ Flip-lock mounting system reduces installation time.
- ✓ Offset transformer for reduced mounting depth.
- ✓ Stylish ABS surround and steel mesh grille.
- ✓ 5 year warranty.



### Application

C 2125 is a standard 100V line speaker & transformer combination designed for general public address, BGM & paging installations. The offset transformer mounting allows mounting in ceilings with limited recess space.

### 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.

### Installation Guidelines

Redback® "Fast-Fix" speaker utilise a time saving flip lock mounting method. It results in a finish with no visible screw heads or caps.

The flip lock tabs slide outwards as the speaker is screwed into the hole, securing the speaker to the ceiling material from the top side. Suitable for use with any 8-33mm ceiling tile, including gyprock, mineral fibre or fixed gyprock ceilings. We recommend a speaker hole of 238mm. This is easily cut using the T 2314 holesaw.

The neutral white RAL colour of C 2125 provides an architecturally unobtrusive finish to virtually any installation.

The transformer is fitted with a 2 way wire protect screw terminal block.

### 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.

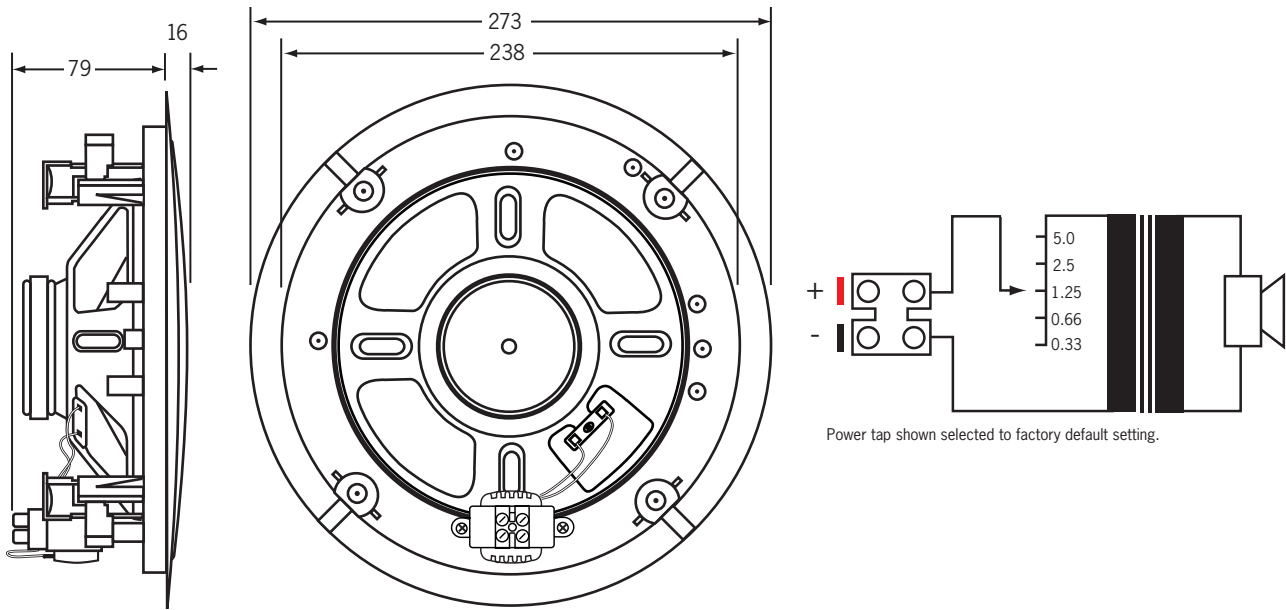
A strict quality control procedure is employed during every step of the manufacturing process. Finally, every finished speaker is 100% QC checked prior to shipping.

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### Dimensions & Transformer Detail



### Specifications

#### Electrical

Power taps:	0.33, 0.66, 1.25, 2.5, 5W
SPL 1W @ 1m:	93.4dB @ 1kHz (+/- 2dB)
Frequency response:	100Hz-15kHz
Connection:	2 way terminal block

#### Mechanical

Grille material:	ABS surround, steel mesh grille
Driver construction:	Paper twin cone
Ceiling cutout:	238Ømm
Grille diameter:	273Ømm
Mounting depth:	79mm (including ceiling tile thickness)
Overall weight:	1kg
Colour:	White

#### Environmental

Operating temperature:	-25°C to +55°C
Relative humidity:	< 95%

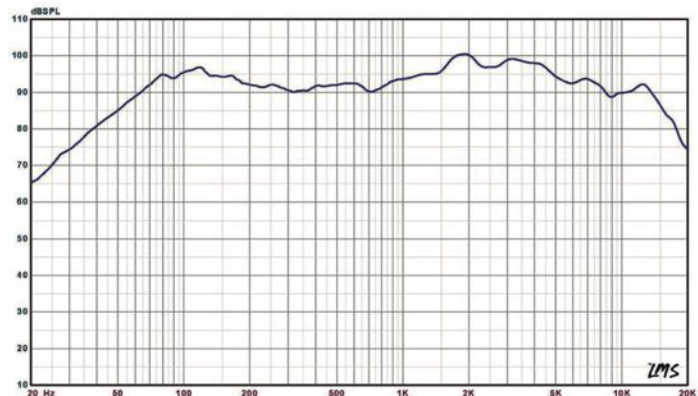
#### Additional Installation Accessories

**T 2314** Adjustable 40-270mm holesaw

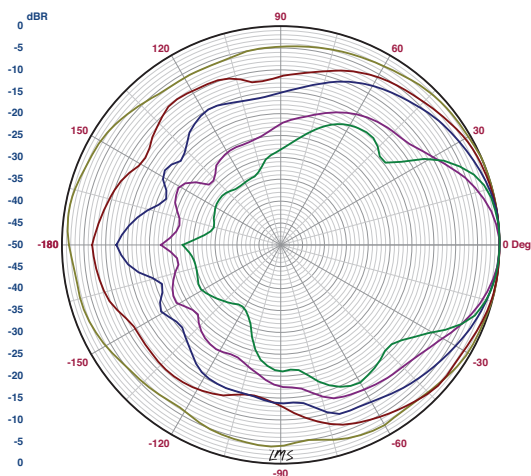
### Architect Specifications

The speaker shall be a twin cone of 200mm diameter and be fitted with a 100V transformer with power taps of 5W, 2.5W, 1.25W, 0.66W and 0.33W. It shall have a SPL of 93.4dB and frequency response of 100Hz to 15kHz. The speaker shall be attached to a white aluminium grill with ABS surround & flip-lock mounting mechanism. The speaker & grill combination shall be a Redback model C 2125.

### Frequency Response (SPL 1W @ 1m)



### Polar Plot (Ratio vs Angle)



	500Hz	1kHz	2kHz	4kHz	6kHz
SPL 1W @ 1m (dB)	92.3	93.4	98.8	100.7	91
Beam Width (BW)	298	127	87	44	47
Q-Factor	1.2	2.8	4.1	8.3	7.6
Directivity Index (DI)	0.8	4.5	6.2	9.2	8.8