

# Speaker Specifications

## Single Speaker Solution

Lightspeed's flat panel speakers produce a very wide dispersion of sound, resulting in excellent distribution throughout the entire classroom from a single speaker. Installation is very simple and speech intelligibility is superb.



### TCQ Multimedia In-Ceiling Speaker (Replaces half of a ceiling tile and can be wall mounted with bespoke bracket system)

A hybrid speaker system using flat panel speaker technology with a low frequency cone speaker to deliver high speech intelligibility and excellent sound distribution. This speaker is best suited to grid tile ceilings at least 2700mm from the floor. One speaker suits rooms up to 100m<sup>2</sup> with up to four being installed for larger rooms.

### Specifications

- Description: Two-way hybrid speaker system with exciter technology panel and low frequency cone driver
- Panel Size: 413mm x 210mm
- Frequency Response: 80 Hz - 20 kHz ± 10dB
- Impedance: 8 Ohms
- Power Handling: 20 W RMS
- Dimensions: 289mm x 559mm x 102mm
- Plenum-rated enclosure
- Weight: 4.08 kgs

## Traditional Speaker Solutions

For larger or multimedia classroom applications, we offer a line of traditional speakers, which places multiple speakers around the classroom. These speaker solutions cover classrooms up to approximately 250m<sup>2</sup> and will deliver a full range of sound.



### DRQ Ceiling Speaker (For installation into plaster ceilings with cavity and grid ceiling).

Low-profile speakers designed for rooms with suspended ceilings and deliver high quality, full range sound evenly throughout classrooms. Four speakers suit rooms up to 100m<sup>2</sup>, and up to eight can be installed for larger rooms, with ceiling heights between 2700 mm and 3700 mm from the floor.

### Specifications

- Description: Two-way speaker system
- Driver Size: 165mm driver, 25mm Tweeter
- Frequency Response: 40 Hz - 20 kHz
- Impedance: 8 Ohms
- Power Handling: 30 W
- Dimensions: 241mm diameter, 140mm deep
- Weight: 2.65 kgs



### WMQ Wall Speaker

Four WMQ speakers provide high quality distributed sound for classrooms up to 100m<sup>2</sup> where ceiling mounted speakers aren't suitable. Up to eight speakers can be installed for larger rooms. WMQ speakers should be mounted between 2350mm and 3750mm from the floor.

### Specifications

- Description: Two-way speaker system
- Driver Size: 101mm driver, 25mm Tweeter
- Frequency Response: 40 Hz - 20 kHz
- Impedance: 8 Ohms
- Power Handling: 30 W
- Dimensions: 198mm x 140mm x 132mm
- Weight: 1.4 kgs



### C1055 Pendant Ball Speaker

Designed for high raked, suspended, concrete, or exposed ceilings. Fitted with a high efficiency 165mm twin cone 30W driver which ensures a wide frequency range and dispersion ensuring excellent music and speech intelligibility.

### Specifications

- Description: Suspension mount ball speaker
- Driver Size:
- Frequency Response: 100Hz-20kHz
- Impedance: 8 Ohms
- Power Handling: 30 W
- Dimensions: 260mm overall
- Weight: 3Kg

### Help

SPEAKERS TO BE INSTALLED /  
CABLED IN ACCORDANCE  
[hearandlearn.com.au/wp-content/uploads/pdf/Hear-and-Learn-Speaker-Wiring-Instructions-for-975-Amp-receiver.pdf](http://hearandlearn.com.au/wp-content/uploads/pdf/Hear-and-Learn-Speaker-Wiring-Instructions-for-975-Amp-receiver.pdf)

