

A modern interior space, likely a library or study area, featuring a dark ceiling with several large, circular, illuminated LED light fixtures. The walls are covered in vertical wood slats, and a long wooden table is visible in the foreground. A television screen is mounted on the wall in the background.

Ceiling Solutions for Education

by  zentia

Creating a better learning environment – addressing the challenges

To improve learning environments for all, the acoustic challenges that hinder communication and focus should be considered. Poor acoustic design in classrooms and shared spaces leads to issues such as reverberation, noise leakage, and low speech clarity, creating strain for both students and teachers.

The four key considerations are:

- Speech Intelligibility
- Enhancing Learning with Better Acoustics
- Reducing Noise Distraction
- Visual Comfort

These considerations contribute to creating an efficient, supportive environment for both students and teachers across different learning and communal spaces.

Poor room acoustics can result in many students struggling to understand **25%** of words spoken.

Evans and Maxwell

Classroom design has **25%** impact, positive or negative, on students' learning.

Clever Classrooms

Higher levels of daylight or LRV achieve **7-18%** higher test scores. **Heschong Mahone Group**

Understanding BB93: Acoustic Standards in Educational Buildings

Building Bulletin 93 (BB93) was introduced by the DfE to ensure that school acoustics support teaching and learning, improving both the intelligibility of speech and the overall well-being of students and staff.

BB93 specifies several important criteria for new and refurbished school buildings, covering:

- Ambient Noise Level
- Reverberation Time
- Sound Insulation

This criteria guides architects and builders in crafting spaces that meet the acoustic needs of a variety of educational settings.





Client: Bradford University
Architect: Stephen George & Partners



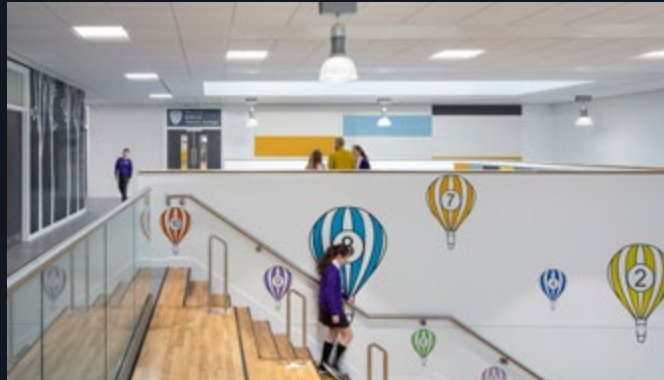
Client: Grimsby Institute
Architect: Farrell and Clark Architects



Client: Queen Elizabeth School
Contractor: Galliford Try



Client: Harton Academy
Architect: Ryder Architecture



Client: Balloch Campus, Scotland
Architect: Holmes Miller



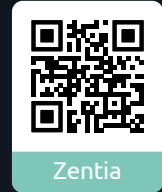
Client: Canterbury Christ Church University
Architect: HMY Architecture

Select the best solutions for your educational environment requirements

Zentia ceiling solutions are designed to meet the diverse needs of educational environments, making them ideal for every area within a school, from classrooms and lecture halls to communal areas, and changing areas.

Space	Prestige hA+	Prestige Family*	Oplia hA+	Oplia Family	Aruba Family	Aruba hH	Hydrabloc	Sonify	DecoFrame
SEN Classroom	•		•						
Primary School Classroom		•		•	•			•	•
Secondary School Classroom		•		•	•			•	•
Corridor		•		•	•			•	•
Lecture Theatre and School Halls		•		•	•			•	•
Communal Spaces / Open Plan		•			•			•	•
Changing Areas and Restrooms						•	•	•	•
Admin & Ancillary Spaces, Kitchen, Office, Medical Room, Staff Room, Corridor & Stairwell		•		•	•	•	•	•	•
Dining Room		•		•	•			•	•

*including colour & planks



We are the only UK based manufacturer of mineral fibre acoustic ceiling solutions.

We make a wide range of acoustic mineral ceiling tiles, suspension grids, floating ceiling systems and wall absorbers.

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BRC 232.1.02.25