

Cooling in Schools/Library Facilities Springfield Central State High School Library, QLD.

The school's relatively new library had a significant overheating problem during summer and the school approached Airius to come up with a cooling solution. Airius provided a unique cooling solution using 12 of their Model R20 EC 'Eyeball' fans and three of their small Airius S1 Pearls and suspended ceiling kits, all with speed control.

CASE STUDY 2018



Springfield Central State High School is an Independent Public School (IPS) with students from years 7 to 12. It is located out towards Ipswich, west of Brisbane.

It is a relatively new school with the library around 3 years old. The library staff and students complained about the overheating in the space during summer. There were large extraction fans installed that proved very ineffective and noisy.

The school had looked at the typical solutions including air conditioning and HVLS fans. Neither of these options were either cost effective or visually suitable. They required a low cost, unobtrusive, aesthetic and quiet solution.

Airius provided a complete design, supply and install solution. Airius recommended the use of the following Airius units: -

- 12 x Airius R20 EC 'Eyeball' fans for the main body of the library area
- 3 x Airius Pearl S1 fans with suspended ceiling kits for the library's end zone.
- 2 x Airius Pearl S1 fans with suspended ceiling kits for the library's entry zone
- 2 x Airius SC-01 silent transformer speed controls
- 2 x Airius Potentiometer infinite speed controls

After much consideration, the school proceeded with the Airius solution. The results speak for themselves.

The installation looks great, offers excellent, controllable and cooling air movement throughout the space and is very quiet.

TESTIMONIAL

"The fans are going really well. We've got lots of compliments about them around the school and I really do enjoy how they blend in with the ceiling – you hardly know they are there."

Christopher Gauthier
Head of Department Pedagogy & Languages
Springfield Central State High School



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The units use between 30 watts each at full speed and when run at half speed use around 12 watts. At low speed, just ticking over, they use around 5-6 watts each.

Their non-turbulent, laminar flow directional and controllable, low noise and patented air delivery design is perfect for the library environment.

This is what Christopher Gauthier, Department Head from the school, had to say: -

“We are very excited to have some actual air movement in the library this summer – you have no idea! Really appreciate your team’s professionalism throughout.”

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