

Case study: Penrith Christian School



Energy: LED



Industry: Education

Results

Energy savings	72% reduction
Payback period	4 years
Annual lighting energy saving	63,234 kWh
First year return on investment	24%
Greenhouse gas reduction	104 tonnes per annum
Total 10 year saving	\$145,072

Energy efficient products used

Product	Quantity
Shine On Plexis Mk2 Recessed Downlight	29
Shine On Omera Mk2 LED Panel	561
Shine On Juko IP40 Mk2 LED Batten	32
Shine On Juko IP66 LED Batten	211
Shine On Orbon Mk3 LED Floodlight	15

Penrith Christian School is a large private school with over one thousand students located in Sydney's West.

Background

Penrith Christian School approached Shine On as they were looking to improve their current lighting, and upgrading to LEDs would have the added benefits of electricity bill savings and a reduced carbon footprint. They chose Shine On due to the quality of our products and the fact we offered solutions rather than just lights.

The project

The majority of the school was lit with old fluorescent tubes. We replaced the tubes with our Omera Mk2 LED Panel, creating a clean, modern look, and a selection of LED battens. This included motion-sensored battens in less heavily frequented areas such as bathrooms, to increase the energy savings. The installation was completed during the school holidays, so students and staff came back to a much brighter school.

Results

Following installation the school has saved 72% on their lighting energy bill, which equates to over \$18,700 in savings in the first year! Importantly, the school is meeting their environmental obligations with over 100 tonnes of CO₂ avoided per annum.

"I think we had good communication with the people at Shine On. The work that ended up being done was really good, all of the fittings were well suited to the space and the installation team was extremely professional throughout the whole job. They always communicated if there were any changes or difficulties with the job, and they always cleaned up after themselves, which left a good impression on our end. The sales person was also quite efficient with organising the whole thing, and we didn't have to do too much work to get it all up and running."

Neil Clark
Property Manager, Penrith Christian School

Energy savings (kWh)

