

Case Study

Northcote High School



? THE SITUATION

Northcote High School provides education for 1,500 students from Years 7-12. With over 2,000 light fittings throughout the school, it was aware that a considerable amount of its energy expenditure could be attributed to lighting. Both the Principal and Sustainability Manager had a strong desire to improve the energy efficiency of the school and save money on their electricity bills.

✓ THE SOLUTION

Stage 1

Northcote High opted to upgrade their lighting in two stages. Stage 1 included the gymnasium and external areas. Over 250 **Cherry LED** lights were installed; a combination of LED Corn lights, LED Floodlights and T8 LED Tubes. In addition to the savings on energy used, the longer lifetime of 50,000hrs on our LED lights reduced their maintenance costs by over \$4,600 per annum across both stages.



SAVINGS ON LIGHTING COSTS

\$6,282 PER ANNUM



EMISSIONS
REDUCTION

39,726 KG CO₂



Stage 2

IN PROGRESS

The second stage of the project will involve the installation of over 530 **Cherry LED** T8 Tubes into classrooms, corridors, the library and offices. Flickering lights will become a thing of the past and, by replicating natural daylight, the new Cherry LED lights will dramatically improve the learning environment for both the students and staff.



ESTIMATED SAVINGS ON LIGHTING COSTS

\$18,808 PER ANNUM



ESTIMATED
EMISSIONS
REDUCTION

102,620 KG CO₂

As well as ensuring a **64% reduction in energy expenditure**, Northcote High received a **\$1,000 subsidy** from the City of Darebin's Light\$mart program towards the project. The cost of the project will be heavily reduced by state **government rebates of over \$8,000** towards the upgrade thanks to a wide range of Cherry LED lights being approved under the Victorian Energy Efficiency Target scheme.

Northcote High School will save a total of
\$25,090 and **142,346 kg CO₂** every year!

CASHFLOW
POSITIVE FROM
DAY 1

