



CASE STUDY

Apex Valves



Number of lights
95



Annual energy savings
47,700 kWh



Annual cost savings
\$9,320



Annual CO2 reduction
3.5 tonnes



Payback period
4.4 years



10 year savings
\$75,190

Apex Valves are specialists in the design and manufacture of plumbing control valves, as well as tank and trough valves for the agricultural industry and rainwater harvesting.

Background

When the company relocated to a new premises, the warehouse required a full refurbishment to meet their operational needs. A key part of this was a complete lighting redesign. Having previously worked with our partners, the landlord recommended Ecobulb for the project, knowing our expertise in industrial LED lighting would deliver the right solution.

The project

The warehouse featured a range of work areas including engineering, assembly, packing, and pallet racking zones – each with unique lighting requirements. Ecobulb developed a detailed lighting design, which involved relocating and replacing 44 existing highbays and installing 25 new highbays to optimise coverage.

We worked alongside other trades completing the site fit-out, co-ordinating installation during the day and scheduling one out-of-hours night shift to minimise disruption.

Results

The new lighting ensures the warehouse is well lit across all zones, including consistent illumination in the racking aisles with no dark spots. Even with the addition of 25 new fittings, Apex Valves will save more than \$9,000 per year on electricity compared to retaining the outdated lighting system.

The warehouse upgrade is now complete, and the next stage of the project will be upgrading the site's offices – further improving efficiency and delivering long-term savings.

