



Company Profile

SAE Group is a wholly owned and operated Australian company specialising in energy efficient technology with over 40 years of combined electrical experience. Our commitment is to create the ideal solution for each and every project while paving the way to a carbon neutral future. SAE Group provide professional, economical and sustainable solutions of the highest quality with expertise in solar power, energy efficient lighting, air conditioning and all electrical services including level 1 and level 2 accreditation with Essential Energy. We are committed to helping you manage the transition to sustainable, cleaner, energy efficient solutions.



Replacement of 400W HID High Bays With LED High Bays

Existing Equipment:	42 x 400W HID High Bays
Replacement Equipment:	24 x 150W LED High Bays & 18 x 200W LED High Bays
Energy Reductions:	87 MWh/year
Cost Savings:	\$8,500/year
Maintenance Savings:	\$1,800/year

When we arrived at Central Engineering we gathered that one of the biggest concerns to them was that industry standards have not been met in accordance with AS1680.1 minimum lux levels.

The existing HID high bays had been positioned incorrectly and with the roof heights being above 10m in the eastern section, the 400W HID was not performing well enough.

We proposed to install 18 x 200W LED high bays for the 10m high sections of roof and 24 x 150W LED high bays for the 7.5m high section.

Pre and Post light meter readings were carried out. They had an average of 180lx @ .8m pre installation, and 420lx post installation.

Electrical Licenses:
NSW: 227562C | QLD: 72258



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